

2005-004: Movement of growing media in association with plants for planting in international trade

С	P Co	Comment	Explanation	Language	Country
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	rent				
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n	1 1				
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1.	G Edi oria	The second part and the third part are incorporated into the forth part. ¥	The content of the second part and the third part are the factors that affect pest risk. So the structure is more reasonable after revise.	English	China
2.	G Edi	support the document as it is and I have no comments		English	Bangladesh
	oria I				
3.	G Edi	support the document as it is and I have no comments		English	New Zealand
	oria I				
4.	G Edi	support the document as it is and I have no comments		English	Congo
	oria I				
5.		t support the document as it is and I have no comments		Français	Congo
	oria I				
6.		We propose to develop this ISPM as an appendix to ISPM 36		English	Uruguay
	sta		Growing media is one of the production related factors that affect pest risk in the movement of plants for planting,		
		Risk associated to growing media will depend on the method of production of the PPP.	mentioned in Annex 1 of ISPM 36. Growing media is a		
	e		glossary term. If there is a need to specify that soil is a		
			type of growing medium, it would be better to review the	<u> </u>	

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		The term soil should not be defined	definition of "growing medium". On the other hand if soil is		
			defined why not follow the same criteria for other types of		
			growing media mentioned in this draft?. We suggest not to		
			define each one and to keep the general definition of the		
			glossary term "growing medium" Regarding to Appendix 1 of this draft that "Types of plants for planting in		
			international trade and their commonly used growing		
			media" are described, it should be specified if the growing		
			media refers to the material in which plant grows or		
			growing media used to ship the plants for planting,		
			because not always PPP are shiped in growing media where they were produced (e.g. bare root nursery stock).		
			In addition, unrooted cuttings should not be included		
			because they are not associated with any growing media.		
7.	G Su	We propose to develop this ISPM as an appendix to ISPM 36		English	COSAVE,
	sta		Growing media is one of the production related factors		Paraguay, Chile,
	nti	Risk associated to growing media will depend on the method of production of the PPP.	that affect pest risk in the movement of plants for planting, mentioned in Annex 1 of ISPM 36. Growing media is a		Argentina, Brazil
	е		glossary term. If there is a need to specify that soil is a		
		The term soil should not be defined	type of growing medium, it would be better to review the		
			definition of "growing medium". On the other hand if soil is		
			defined why not follow the same criteria for other types of		
			growing media mentioned in this draft?. We suggest not to define each one and to keep the general definition of the		
			glossary term "growing medium" Regarding to Appendix 1		
			of this draft that "Types of plants for planting in		
			international trade and their commonly used growing		
			media" are described, it should be specified if the growing		
			media refers to the material in which plant grows or growing media used to ship the plants for planting,		
			because not always PPP are shiped in growing media		
			where they were produced (e.g. bare root nursery stock).		
			In addition, unrooted cuttings should not be included		
			because they are not associated with any growing media.		

C P Co o a m m r en m a.ty . n e n o o		Explanation	Language	Country
8. G Su sta nti e		Soil is important and therefore there should be a definition in order to prevent an ambiguity.	English	Suriname
sta	We propose to develop this ISPM as an appendix to ISPM 36 Risk associated to growing media will depend on the method of production of the PPP. The term soil should not be defined	This document should be an appendix of ISPM 36. Growing media is one of the production related factors that affect pest risk in the movement of plants for planting, mentioned in Annex 1 of ISPM 36. Growing media is a glossary term. If there is a need to specify that soil is a type of growing medium, it would be better to review the definition of "growing medium". On the other hand if soil is defined why not follow the same criteria for other types of growing media mentioned in this draft?. We suggest not to define each one and to keep the general definition of the glossary term "growing medium" Regarding to Appendix 1 of this draft that "Types of plants for planting in international trade and their commonly used growing media" are described, it should be specified if the growing media refers to the material in which plant grows or growing media used to ship the plants for planting, because not always PPP are shiped in growing media where they were produced (e.g. bare root nursery stock). In addition, unrooted cuttings should not be included because they are not associated with any growing media.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
10 G Su sta nti e			English	Jamaica

			Explanation	Language	Country
m m	a mn r ent a. typ n e o				
		3. There should be a definition for soil in the glossary.			
11	G Sul sta ntiv e		Soil is important and therefore there should be a definition in order to prevent ambiguity.	English	Saint Kitts And Nevis
12	G Sul sta ntiv e		It's not separate for consideration of pest risk between growing media and plants for planting when moving in international trade. So, the factors that affect the pest risk of growing media could be managed as one of the measure in integrated measures for plants for planting. (Annex I: ISPM 36)	English	Thailand
13	G Sul sta ntiv e	Se desea manifestar la preocupación por este proyecto de NIMF dado que el contenido de nota que el suelo será tratado como un medio de crecimiento apto para el comercio interna cional, a pesar de que en las legislaciones de muchos países el suelo está prohibido.	En muchos párrafos del proyecto se menciona al suelo como medio de crecimiento.	Español	El Salvador
14	G Sul sta ntiv e		Soil is important and therefore there should be a definition in order to prevent an ambiguity.	English	Trinidad and Tobago
15	G Sul sta ntiv		Suggest incorporating a column into Annex 1 with treatments that can be used for each type of growing media in association with plants for planting. The NPPOs would benefit from this additional information by providing harmonized guidance on treatments for growing media.	English	United States of America

o m m	P Co a mr r en a typ n e	t e	Explanation	Language	Country
16	G Su stantive	 This standard is very important to the region given the fact that there are many requests for the importation of planting material in growing media especially for the tourist industry. The ISPM is relevant and it supplements ISPM 36 	This would also benefit developing countries to apply the appropriate treatments to the different growing media types. For Appendix 2, we suggest further expanding this list to provide more useful information to NPPOs. The draft inadequately addresses the risk of the movement of pests in growing media for two main reasons: 1) Sand, silt, gravel, and clay are not low risk. Mixing these ingredients and you would get soil. All growing media in international trade should preferably be heat treated or fumigated. If this is done properly, then all types of media would be low risk to start with (including organic matter such as peat). 2) Even a medium that is practically sterile prior to plant production, like perlite or vermiculite, will accumulate microbial flora and fauna (including pests) unless extreme precautions are taken (e.g, tissue culture). Systems approaches are needed to reduce pest risk. Soil is important and therefore there should be a definition in order to prevent any ambiguity.		Barbados
17	G Su sta ntiv e		Soil is important and therefore there should be a definition in order to prevent an ambiguity.	English	Dominica

o m m n	a mm r ent a. typ n e o			Language	
18	sta	Risk associated to growing media will depend on the method of production of the PPP. The term soil should not be defined	This document should be an appendix of ISPM 36. Growing media is one of the production related factors that affect pest risk in the movement of plants for planting, mentioned in Annex 1 of ISPM 36. Growing media is a glossary term. If there is a need to specify that soil is a type of growing medium, it would be better to review the definition of "growing medium". On the other hand if soil is defined why not follow the same criteria for other types of growing media mentioned in this draft?. We suggest not to define each one and to keep the general definition of the glossary term "growing medium" Regarding to Appendix 1 of this draft that "Types of plants for planting in international trade and their commonly used growing media" are described, it should be specified if the growing media refers to the material in which plant grows or growing media used to ship the plants for planting, because not always PPP are shiped in growing media where they were produced (e.g. bare root nursery stock). In addition, unrooted cuttings should not be included because they are not associated with any growing media.	English	Peru
	hni cal	The guidance provided is easy to operate practically.	The standard will be very useful for the management of growing media accompanying plant seedlings in international trade.	English	China
	hni cal	Utilidad del Apéndice 2 de la NIMF: podría servir de referencia, pero no es comprensivo en grado satisfactorio; Cuan extensivo debería de ser: convendría que fuera más específico, indicando las plagas más frecuentes a nivel de género, nobstante se reconoce la complejidad para lograr esto.	norma.		El Salvador
	G Tra nsl atio		Por ejemplo: "commodity" se ha traducido como "producto básico" y debe traducirse como "producto" (párrafos 10)	Español	El Salvador

o a m r m a	mm ent typ		Explanation	Language	Country
22 1	n / Edit oria	Movement of Pest risk management for growing media in association with plants for planting in international trade (2005-004)	It's widely known that all of the ISPMs concerned with international trade, so it's not necessary to have "movement of and international trade" in the title.	English	Thailand
23		Movement of gGrowing media in association with plants for planting in international trade (2005-004)	International trade involves the movement, so text deleted is redundant.	English	Uruguay
24		Movement of gGrowing media in association with plants for planting in international trade (2005-004)	International trade involves the movement, so text deleted is redundant.	English	COSAVE, Paraguay, Chile, Argentina, Brazil
25		Movement of gGrowing media in association with plants for planting in international trade (2005-004)	International trade involves the movement, so text deleted is redundant.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
26		Movement of gGrowing media in association with plants for planting in international trade (2005-004)	International trade involves the movement, so text deleted is redundant.	English	Peru
27 3	B Edit oria	Voir la version anglaise de la présente norme .	Harmoniser la présente norme en y incluant les étapes de la publication en langue française	Français	Gabon
28 5	Tra nsl atio	Adoption	"Adoption" should be translated into Spanish as "adopción"	English	Uruguay

o a m r m a	Co mm ent typ		Explanation	Language	Country
n o					
29 8	Tra nsl atio n	Adoption	"Adoption" should be translated into Spanish as "adopción"	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
30 8	Tra nsl atio n	Adoption	"Adoption" should be translated into Spanish as "adopción"	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
31 8	Tra nsl atio n	Adopción <mark>Aprobación</mark>	Término usado generalmente	Español	El Salvador
32 6	Tra nsl atio	This standard was adopted by the Commission on Phytosanitary Measures in [Month 201-].	"adopted" should be translated as "adoptado" in the Spanish version	English	Uruguay
33 6	Tra nsl atio n	This standard was adopted by the Commission on Phytosanitary Measures in [Month 201-].	"adopted" should be translated as "adoptado" in the Spanish version	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
34 (Tra nsl atio	This standard was adopted by the Commission on Phytosanitary Measures in [Month 201-].	"adopted" should be translated as "adoptado" in the Spanish version	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica

o a m r m a. . n n o	mm ent typ	Comment	Explanation	Language	Country
		La presente norma fue <u>adoptadaaprobada</u> por la Comisión de Medidas Fitosanitarias en [mes de 201-].	Para coincidir con el título del apartado	Español	El Salvador
	Edit oria I	Introduction INTRODUCTION	It should be capital letter same as the other ISPMs.	English	Thailand
37 9	oria I	This standard provides guidance for the evaluation of pest risks associated withof growing media in association with accompanying pulants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting.	To be consistent with the title.	English	Singapore
	oria I	This standard provides guidance for the evaluation of pest risks associated with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting. This standard provides guidance for the evaluation of pest risks of growing media in association with plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international trade	Scope should be consistent with the title (i.e. association with (not accompanying))	English	Malaysia
	Edit oria I	This standard provides guidance for the evaluation of pest risks associated with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting. This standard provides guidance for the evaluation of pest risks of growing media in association with plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international trade	Consistency	English	Korea, Republic of

o a m r m a	mm ent typ	Comment	Explanation	Language	Country
40 9		This standard provides guidance for the evaluation of pest risks associated with of growing media accompanying in association with plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting trade.	This is the regional comment made by the 14th APPPC Regional Workshop on Review of draft ISPMs. Scope should be consistent with the title.	English	Japan
41 9	Sub sta ntiv e	This standard provides guidance for the evaluation of pest risks associated with of growing media accompanying in association with plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used with plant for planting in the international trade. movement of plants for planting.	The scpoe should explain the objective of the standard. Language should be consistent with the title.	English	Thailand
42 9	Tec hni cal	This standard provides guidance for <u>assessment of pest risks</u> the evaluation of pest risks <u>associated linked</u> with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting.	for consistency with ISPM 5, and for consistency with PRA procedure	English	EPPO, Estonia, Norway, Algeria
43 9		This standard provides guidance for the <u>assessment</u> evaluation of pest risks associated with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting.	This is to be consistent in keeping with ISPM 5	English	Suriname, Jamaica, Trinidad and Tobago, Dominica
44 9	Tec hni cal	This standard provides guidance for the <u>assessment evaluation</u> of pest risks associated with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting.	This is more consistent with ISPM 5	English	Saint Kitts And Nevis
45 9	Tec hni cal	La presente normaproporciona directrices para evaluar los riesgos de plagas asociados a los medios de crecimiento que acompañan a las plantas para plantar y describe medidas fitosanitarias encaminadas a facilitar el manejo del riesgo de plagas reglamentadas asociado a tales medios de crecimiento utilizados en el movimiento internacional de plantas para plantar.	Término más apropiado. El manejo del riesgo se aplica a plagas reglamentadas	Español	El Salvador
46 9		This standard provides guidance for the <u>assessment evaluation</u> of pest risks associated with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting.	This is to be consistent in keeping with ISPM 5	English	Barbados

o m m n	a m r e a. ty n e o	nm ent yp		Explanation		Country
		ni al	This standard provides guidance for the <u>assessment</u> <u>evaluation</u> of pest risks associated with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting.	Consistency in keeping with ISPM 5	English	Guyana
		ni al	This standard provides guidance for <u>assessment of pest risks</u> the evaluation of pest risks associated <u>linked</u> with growing media accompanying plants for planting and describes phytosanitary measures to facilitate pest risk management of such growing media used in the international movement of plants for planting.	For consistency with ISPM 5, and for consistency with PRA procedure.	English	European Union
49	ns	ısl ıtio	La presente normaproporciona directrices para evaluar los riesgos de plagas asociados a los medios de crecimiento que acompañan a las plantas para plantar y describe medidas fitosanitarias para encaminadas a facilitar el manejo del riesgo de plagas asociado a tales medios de crecimiento utilizados en el movimiento internacional de plantas para plantar.	Término más apropiado	Español	El Salvador
50	1 E 0 OI	ria	Bulk growing media and growing media as contamination of a commodity are not considered in this standard. Animal and human health risks associated with caused from growing media are also not considered.	more appropriate words	English	Thailand
	0 st nt e	ta itiv	a contaminant or ascentamination packaging, material of a commodity are not considered in this standard. Animal and human health risks associated with growing media are also not considered., However, other relevant authorities may apply.	packaging material that supports plant growth or root	English	United States of America
	0 st	ta itiv		Les milieux de culture en vrac et les milieux de culture contaminants [] en compte dans la présente norme: Expliquer ces deux expressions pour davantage de clarté	Français	Gabon, Congo, DR*

o m	a n r e	mm ent	Comment	Explanation	Language	Country
	a.tṛ n e o					
	<mark>0</mark> s	sta ntiv	Les milieux de culture en vrac et les milieux de culture contaminants pour les marchandises ne sont pas pris en compte dans la présente norme. De même, les risques pour la santé animale et humaine associés aux milieux de culture ne sont pas pris en compte.	Expliquer ces deux expressions pour davantage de clarté	Français	Burundi
	0 c	nni cal	contaminati <u>ngen of</u> a commodity are not considered in this standard. Animal and human health risks associated with growing media are also not considered .	1) Proposed clearer wording 2) Proposed better english 3)The statement that aspects beyond plant health are not covered is not relevant and never spelled out in ISPMs' scope section, because there is no expectation that an ISPM should cover such aspects	English	EPPO, Estonia, Norway
	<mark>0</mark> h	nni			English	Uruguay
56	<u>0</u> h	nni		Not only bulk growing media is moved in international trade, but also packed growing media. What is important to mention here is that growing media as a commodity or contaminating commodities are not considered in this draft.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	0 c	nni cal		trade, but also packed growing media. What is important to mention here is that growing media as a commodity or contaminating commodities are not considered in this draft.	English	Ecuador, Mexico, Belize, Costa Rica
	0 c	nni cal		trade, but also packed growing media. What is important to mention here is that growing media as a commodity or contaminating commodities are not considered in this draft.	English	OIRSA
59	1 T 0 h	nni	contaminatingen of a commodity are not considered in this standard. Animal and human	Proposed clearer wording. 2) Proposed better English. The statement that aspects beyond plant health are not covered is not relevant and never spelled out in ISPMs'	English	European Union

o a m i m a	ent ent typ		Explanation	Language	Country
	cal		scope section, because there is no expectation that an ISPM should cover such aspects.		
	nsl	Bulk growing media and growing media as contamination of a commodity are not considered in this standard. Animal and human health risks associated with growing media are also not considered.	"commodity" should be translated into Spanish as "producto"	English	Uruguay
61) nsl	Bulk growing media and growing media as contamination of a commodity are not considered in this standard. Animal and human health risks associated with growing media are also not considered.	"commodity" should be translated into Spanish as "producto"	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	nsl	Bulk growing media and growing media as contamination of a commodity are not considered in this standard. Animal and human health risks associated with growing media are also not considered.	"commodity" should be translated into Spanish as "producto"	English	Ecuador, Mexico, Belize, Costa Rica
63) nsl	Bulk growing media and growing media as contamination of a commodity are not considered in this standard. Animal and human health risks associated with growing media are also not considered.	"commodity" should be translated into Spanish as "producto"	English	OIRSA
64	1 Edit 1 oria	·	Moved to para 34	English	Malaysia
65	1 Edit 1 oria		Moved to para 34	English	Korea, Republic of

o	mm	Comment	Explanation	Language	Country
m	ent typ e				
66	Edit oria I	Impact on Biodiversity and the Environment	Moved to para 34	English	Viet Nam
67	Sub sta ntiv e	Impact on Biodiversity and the Environment	This portion including the 2 associated paragraphs should not be under th Scope & rather move to under the Background to highight the concerns on biodiversity & the environment.	English	Singapore
68	Sub sta ntiv e	Impact on Biodiversity and the Environment	This section is not appropriate after the scope, it should be moved to background section.	English	Thailand
69	oria I	Regulated pests associated with the movement of growing media accompanying plants for planting in international trade may have negative impacts on biodiversity. Implementation of this standard could significantly reduce the introduction and spread of pests associated with growing media and consequently reduce their negative impacts. In addition, the application of phytosanitary measures in accordance with this standard could also reduce the probability of introduction and spread of other organisms that may become invasive alien species in the country of import and thus affect biodiversity.	·	English	Malaysia
. 2	oria I	Regulated pests associated with the movement of growing media accompanying plants for planting in international trade may have negative impacts on biodiversity. Implementation of this standard could significantly reduce the introduction and spread of pests associated with growing media and consequently reduce their negative impacts. In addition, the application of phytosanitary measures in accordance with this standard could also reduce the probability of introduction and spread of other organisms that may become invasive alien species in the country of import and thus affect biodiversity.		English	Korea, Republic of
71	oria I	Regulated pests associated with the movement of growing media accompanying plants for planting in international trade may have negative impacts on biodiversity. Implementation of this standard could significantly reduce the introduction and spread of pests associated with growing media and consequently reduce their negative impacts. In addition, the application of phytosanitary measures in accordance with this standard could also reduce the	is incomplete and could be misleading.	English	Canada

o a mn	n en	Explanation	Language	Country
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	probability of introduction and spread of other organisms that may become invasive alien species in the country of import and thus affect biodiversity. Pests that may be associated with growing media include: bacteria and phytoplasmas, fungi, oomycetes, nematodes, viruses and virus-like organisms, insects and mites, molluscs and weeds and weed seeds.			
. 2 oria	planting in international trade may have negative impacts on biodiversity. Implementation of this standard could significantly reduce the introduction and spread of pests associated with growing media and consequently reduce their negative impacts. In addition, the application of phytosanitary measures in accordance with this standard could also reduce the probability of introduction and spread of other organisms that may become invasive alien species in the country of import and thus affect biodiversity.	·	English	Viet Nam
73 1 Sul 2 sta ntiv e	accompanying plants for planting in international trade may have negative impacts on	Only quarantine pests associated with growing media can be introduced and spread (ISPM 5).	English	Uruguay
74 1 Sul . 2 sta ntiv e	his divinite. In the contestion of this standard could simplify and one does the interduction and	Only quarantine pests associated with growing media can be introduced and spread (ISPM 5).	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
75 1 Sul . 2 sta ntiv e		Only quarantine pests associated with growing media can be introduced and spread (ISPM 5).	English	Ecuador, Mexico, Belize, Costa Rica

			Explanation	Language	Country
m m	a mm ent a. typ n e				
		biodiversity.			
76		Regulated pests associated with the movement of growing media accompanying plants for planting in international trade may have negative impacts on biodiversity. Implementation of this standard could significantly reduce the introduction and spread of pests associated with growing media and consequently reduce their negative impacts. In addition, the application of phytosanitary measures in accordance with this standard could also reduce the probability of introduction and spread of other organisms that may become invasive alien species in the country of import and thus affect biodiversity.	Background after para 34 instead as it is not consistent with the format of all approved standards even though the	English	Singapore
77	1 Sub 2 sta ntiv e	Regulated pests associated with the movement of growing media accompanying plants for planting in international trade may have negative impacts on biodiversity. Implementation of this standard could significantly reduce the introduction and spread of pests associated with growing media and consequently reduce their negative impacts. In addition, the application of phytosanitary measures in accordance with this standard could also reduce the probability of introduction and spread of other organisms that may become invasive alien species in the country of import and thus affect biodiversity.	It should be moved to background section.	English	Thailand
78			Adding reference to Appendix 2 helps substantiate this statement.	English	United States of America
- 1		Regulated pePests associated with the movement of growing media associated with accompanying plants for planting in international trade may have negative impacts on biodiversity. Implementation of this standard could significantly reduce the	1) Pests do not need to be regulated to have an impact on biodiversity. 2) recommended change of "accompagnying" with "associated with" in all the document: to reflect the fact that pests do not always accompany plants.	English	EPPO, Estonia, Norway
		associated with accompanying plants for planting in international trade may have negative	Pests do not need to be regulated to have an impact on biodiversity. 2) recommended change of "accompagnying" with "associated with" in all the document: to reflect the	English	European Union

C	РСо	Comment	Explanation	Language	Country
m i	mn ent a. typ n e				
		their negative impacts. In addition, the application of phytosanitary measures in accordance with this standard could also reduce the probability of introduction and spread of other organisms that may become invasive alien species in the country of import and thus affect biodiversity.	fact that pests do not always accompany plants.		
81	1 Edi 3 oria 1	Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	Moved to para 34	English	Malaysia
82	1 Edi 3 oria	Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	Moved to para 34	English	Korea, Republic of
		Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	Moved to para 34	English	Viet Nam
	3 sta		Deleted because these are not a good examples because this type of measure is not applied to PPP in growing media.	English	Uruguay
85	3 sta	Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	Deleted because these are not a good examples because this type of measure is not applied to PPP in growing media.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	3 sta	Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	Deleted because these are not a good examples because this type of measure is not applied to PPP in growing media.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica

o a m r m a	mm ent typ e	Comment	Explanation	Language	Country
	Sub	Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	This paragraph shoul dbe moved to after para 34 under Background to be consistent with all approved ISPMs.	English	Singapore
	Sub sta ntiv e	Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	It should be moved to background section.	English	Thailand
		Certain pest risk management phytosanitary measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	For consistency	English	Uruguay
	hni cal	Certain pest risk management phytosanitary measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	For consistency	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	3 hni	Certain pest risk management phytosanitary measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	For consistency	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
	nsl	Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of phytosanitary measures that have a minimal negative impact on the environment.	"that have a minimal negative impact on the environment" should be translated into Spanish as "que tengan el mínimo impacto negativo sobre el ambiente"	English	Uruguay

o a m r m a	m er a. ty	mm ent typ	Explanation	Language	Country
	3 ns	nsl negative impact on the environment. Countries are encouraged to promote the use of	"that have a minimal negative impact on the environment" should be translated into Spanish as "que tengan el mínimo impacto negativo sobre el ambiente"	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
94	3 ns	nsl negative impact on the environment. Countries are encouraged to promote the use of	"that have a minimal negative impact on the environment" should be translated into Spanish as "que tengan el mínimo impacto negativo sobre el ambiente"	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
- 1	4 st	sta ntiv	Add reference to ISPM 21. See US comment on paragraph 37.	English	United States of America
96		Edit ISPM 11. 20 <u>13</u> 04. Pest risk analysis for quarantine pests including analysis of pria environmental risks and living modified organisms. Rome, IPPC, FAO.	Current version of ISPM 11	English	Uruguay
97	1 E07 or	Edit ISPM 11. 20 <u>13</u> 04. Pest risk analysis for quarantine pests including analysis of pria environmental risks and living modified organisms. Rome, IPPC, FAO.	Current version of ISPM 11	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
98	1 E0	Edit ISPM 11. 20 <u>13</u> 04. Pest risk analysis for quarantine pests including analysis of pria environmental risks and living modified organisms. Rome, IPPC, FAO.	Current version of ISPM 11	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
99	1 E	Edit ISPM 11. 20 <u>13</u> 04. Pest risk analysis for quarantine pests including analysis of pria environmental risks and living modified organisms. Rome, IPPC, FAO.	Change the reference to the new title	English	NEPPO, Morocco

	P Co Comment	Explanation	Language	Country
	a mm rent			
	a. typ			
n o	n e o			
o				
. 7	7			
10 <i>1</i> 0. <i>7</i>	Edit ISPM 11. 2004. Pest risk analysis for quarantine pests including analysis of environial risks and living modified organisms. Rome, IPPC, FAO.	rironmental ISPM 14 is now referred to under section 5. and therefore shoud be listed in the reference section of this standard.	English	Canada
	ISPM 14. 2002. The use of integrated measures in a systems approach for pest management. Rome, IPPC, FAO.	<u>t risk</u>		
	Edit ISPM 11. 201304. Pest risk analysis for quarantine pests including analysis of oria environmental risks and living modified organisms. Rome, IPPC, FAO.	Change the reference to the new title	English	Algeria
2. 7	Tec ISPM 112004_2013. Pest risk analysis for quarantine pests including analysis of hni environmental risks and living modified organisms. Rome, IPPC, FAO. cal	of ISPM 11 was revised in 2013 and its title changed.	English	EPPO
3. 7	Tec ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of hni cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of hni cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of cal ISPM 11. 2004 2013. Pest risk and living modified organisms.	of ISPM 11 was revised in 2013 and its title changed.	English	European Union
4. 7	Tec ISPM 11. 2004 2013. Pest risk analysis for quarantine pests including analysis of hni cal	of ISPM 11 was revised in 2013 and its title changed.	English	Norway, Algeria
10 2 5. 3	Edit Definitions of phytosanitary terms can be found in ISPM 5 (<i>Glossary of phytosar</i> orial terms), revised annually.	nitary for clarity	English	Ghana
	Sub In addition to the definitions in ISPM 5, in this standard the following definition a sta	Deleted paragraph because proposed changes in paragraph 25	English	Uruguay

o a m r m a . r n c o	mm ent a.typ e		Explanation	Language	Country
6. 4	ntiv e				
	Sub sta ntiv e	In addition to the definitions in ISPM 5, in this standard the following definition applies:	Deleted paragraph because proposed changes in paragraph 25	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	Sub sta ntiv e	In addition to the definitions in ISPM 5, in this standard the following definition applies:	Deleted paragraph because proposed changes in paragraph 25	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
	sta	In addition to the definitions in ISPM 5, in this standard the following definitions appliesy: Peat: the non-viable, incompletely decomposed organic residue of plants, mostly Sphagnum mosses, which accumulates under anaerobic and acidic conditions usually in saturated bogs in temperate and cold regions and often to depths of 2-6 metres.	There is no definition of "peat" in ISPM No. 5 therefore the term should be defined in this document as it is often use as a growing medium and there is a need to clarify the term in order to avoid confusion.	English	Canada
		Soil: A growing medium that is naturally occurring, composed of the loose surface material of the earth and consisting of a mixture of minerals and organic material.	Eppo does not know if this definition will get consensus support, although appreciate the difficulty of finding one that is satisfactory. Eppo support sthis definition.	English	EPPO, Estonia, Algeria
	Sub sta ntiv e	Soil: A growing medium that is naturally occurring, composed of the loose surface material of the earth and consisting of a mixture of minerals and organic material.	Growing media is a glossary term. If there is a need to specify that soil is a type of growing medium, it would be better to review the definition of "growing medium". On the other hand if soil is defined other types of growing media should also be defined because they are used in this draft, so that we suggest not to define each one and keep	English	Uruguay

	1		Explanation	Language	Country
	mn ent				
	a. typ				
n c	n e				
0.					
			only the general definition of growing medium		
			Growing media is a glossary term. If there is a need to	English	COSAVE,
2.	sta		specify that soil is a type of growing medium, it would be better to review the definition of "growing medium". On the		Paraguay, Chile,
	ntiv		other hand if soil is defined other types of growing media		Argentina, Peru,
	е		should also be defined because they are used in this		Brazil
Ш			draft, so that we suggest not to define each one and keep		
11) Suk	Soil: A growing medium that is naturally occurring, composed of the loose surface material	only the general definition of growing medium Growing media is a glossary term. If there is a need to	English	Ecuador, Mexico,
	sta	of the earth and consisting of a mixture of minerals and organic material.	specify that soil is a type of growing medium, it would be	Liigiisii	OIRSA, Belize,
	ntiv		better to review the definition of "growing medium". On the		Costa Rica
	е		other hand if soil is defined other types of growing media should also be defined because they are used in this		
			draft, so that we suggest not to define each one and keep		
			only the general definition of growing medium		
11	2 Sub	Soil: A growing medium that is naturally occurring, composed of the loose surface material	This affects the definition of the soil given in this standard	English	Mozambique,
4.		of the earth and consisting of a mixture of minerals and organic material.			Ghana, Lesotho
	ntiv				
	е	It was proposed that naturally occurring should not be deleted in ISPM No.5 Glossary of phytosanitary terms because it is used in this new standard			
Ш		The first of the decay of physical many terms because the decay in the first examinate			
		OR			
		To replace the word/phrase			
		naturally occurring to realign it with the revision in the Glosaary of Phytosanitary terms.		<u> </u>	
11	Suk		Recommend this definition is added to ISPM 5 after adoption.	English	United States of America
3.	ntiv		adoption.		America
	e				
		Sol: Milieu de culture présent naturellement, composé de la couche superficielle meuble de	Améliorer la compréhension du document	Français	Gabon, Congo, DR*
6.	sta	la croûte terrestre et consistant en un mélange de matières minérales et de matières			
		<u> </u>			

o a m r m a	mm ent a. typ n e	Comment	Explanation	Language	Country
	е	organiques. Ajouter dans ce paragraphe les définitions de: - Milieux de culture en vrac - Milieux de culture contaminant			
7.	Sub sta ntiv e	Soil: A growing medium that is naturally occurring, composed of the loose surface material of the earth and consisting of a mixture of minerals and organic material.	EU supports this definition.	English	European Union
	Sub sta ntiv e	Soil: A growing medium that is naturally occurring, composed of the loose surface material of the earth and consisting of a mixture of minerals and organic material.	The term "naturally occuring" is proposed to be deleted in the draft amendment to ISPM 15: Glossary of Phytosanitary terms. It is therefore requested that clarification be provided on the terminology "naturally occuring" on how it will be defined under this paragraph or that the definition must not be deleted from ISPM 5.		South Africa
9.	hni	Soil: A growing medium that is naturally occurring, composed of the <u>upper</u> loose surface material of the earth and consisting of a mixture of minerals, <u>lving organisms and _and organic material</u> .	Make the definition more complete	English	Suriname, Dominica
	hni	Soil: A growing medium that is naturally occurring, composed of the <u>upper</u> loose surface material of the earth and consisting of a mixture of minerals, <u>living organisms and and</u> organic material.	Make the definition more complete	English	Jamaica
12 2	hni	Soil: A growing medium that is naturally occurring, composed of the <u>upper</u> loose surface material of the earth and consisting of a mixture of minerals, <u>living organisms and and</u> organic material.	Makes the definition more complete	English	Saint Kitts And Nevis

C P Co o a mr m r en		Explanation	Language	Country
m a. typ . n e n o o				
2. 5 hni		Make the definition more complete	English	Trinidad and Tobago
3. 5 hni	organic material.	Makes the definition more complete	English	Barbados
4. 5 nsl	Suelo: medio de crecimiento presente naturalmente, compuesto por el material suelto superficial de la superficie de la tierra y consistente en una mezcla de minerales y materia orgánica.	Para mayor clarida	Español	El Salvador
12 2 Tra 5. 5 nsl atio		In the French version of the draft standard, soil ("sol") is defined but not the term "terre" which is used throughout the text of the draft standard. Replace the word "sol" in the definition by "terre" to reflect the common use and for consistency across the text.	English	Canada
	Terre: Milieu de culture présent naturellement, composé de la couche superficielle meuble de la croûte terrestre et consistant en un mélange de matières minérales et de matières organiques.			
12 2 Su 6. 7 sta ntiv e	The contract of the contract o	Either the importing or exporting country can carry out the PRA.	English	United States of America
12 2 Te	Pest risk analysis (PRA), which is carried out by the national plant protection organization (NPPO) of the importing country, should provide the technical justification for phytosanitary import requirements for regulated pests associated with the international movement of growing media accompanying plants for planting.	Better wording, not to be read as an encouragement to import the pests themselves.	English	EPPO, Norway

o a m r m a	mm ent typ	Comment	Explanation	Language	Country
12 2 8. 7			Quarantine pests are the relevant pests associated with growing media	English	Uruguay
12 <u>2</u> 9. 7	hni	Pest risk analysis (PRA), which is carried out by the national plant protection organization (NPPO) of the importing country, should provide the technical justification for phytosanitary import requirements for regulated guarantine pests associated with the international movement of growing media accompanying plants for planting.	Quarantine pests are the relevant pests associated with growing media	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
		Pest risk analysis (PRA), which is carried out by the national plant protection organization (NPPO) of the importing country, should provide the technical justification for phytosanitary import requirements for regulated quarantine pests associated with the international movement of growing media accompanying plants for planting.	Quarantine pests are the relevant pests associated with growing media	English	Ecuador, Mexico, Belize, Costa Rica
	Tec hni cal		Better wording, not to be read as an encouragement to import the pests themselves.	English	European Union
13 <u>2</u> 2. 7	Tra nsl atio n		Brackets should be deleted in the Spanish version for consistency with English version	English	Ecuador, OIRSA, Belize, Costa Rica
		The origin and the production methods of constituents of growing media, which can be used alone or in combination, affect the pest risks that are associated with the growing media used with plants for planting. Growing media should be produced, stored and maintained under conditions to which prevent contamination. Growing media should be treated by an approved method before use if previously exposed to plants or soil.	Better English	English	EPPO, Algeria

	Comment	Explanation	Language	Country
m r en m a.typ . n e n o	t			
	The origin and the production methods of constituents of growing media, which can be used alone or in combination, affect the pest risks that are associated with the growing media used with plants for planting. Growing media should be produced, stored and maintained under conditions to prevent contamination. Growing media should be treated by an appropriate-approved method before use if previously exposed to plants or soil.		English	Mozambique, Ghana, Lesotho
5. <mark>8</mark> ori	a used alone or in combination, affect the pest risks that are associated with the growing media used with plants for planting. Growing media should be produced, stored and maintained under conditions to which prevent contamination. Growing media should be treated by an approved method before use if previously exposed to plants or soil.		English	European Union
13 2 Su 6. 8 sta ntiv	the consideration of the constitution is the foundation of the constitution of the con	Global change from "constituent" to "component". Component is a more commonly used term in association with growing media. For clarification	English	United States of America, Mexico
13 2 Su 7. 8 sta nti		Suggest that the word "approved" be deleted and replaced with "appropriate" as also used in paragraph 43 for consistency.	English	South Africa
13 2 Te 8. 8 hn cal		Not always will be treated, growing media will be treated if exposed to plants or soil. "Method" was changed by "treatment" for consistency with ISPM 5	English	Uruguay
13 2 Te 9. 8 hn cal	The origin and the production methods of constituents of growing media, which can be used alone or in combination, affect the pest risks that are associated with the growing media used with plants for planting. Growing media should_be produced, stored and maintained under conditions to prevent contamination. Growing media should_may be treated by an approved method_treatment before use if previously exposed to plants or soil.	Not always will be treated, growing media will be treated if exposed to plants or soil. "Method" was changed by "treatment" for consistency with ISPM 5	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil

o a m i m a	mm ent typ	Comment	Explanation	Language	Country
		The origin and the production methods of constituents of growing media, which can be used alone or in combination, affect the pest risks that are associated with the growing media used with plants for planting. Growing media should_be produced, stored and maintained under conditions to prevent contamination. Growing media should-may be treated by an approved method-treatment before use if previously exposed to plants or soil.	Not always will be treated, growing media will be treated if exposed to plants or soil. "Method" was changed by "treatment" for consistency with ISPM 5	English	Ecuador, OIRSA, Belize, Costa Rica
	hni cal	growing media used with plants for planting. Growing media should be produced, stored	It is not clear what this text was intending to say. If it is only that the source and methods are factors that influence pest risk, then the better language may be to state that these can both influence pest risk	English	Australia
	nsl atio	The origin and the production methods of constituents of growing media, which can be used alone or in combination, affect the pest risks that are associated with the growing media used with plants for planting. Growing media should be produced, stored and maintained under conditions to prevent contamination. Growing media should be treated by an approved method before use if previously exposed to plants or soil.	Brackets should be deleted in the Spanish version	English	Uruguay
	nsl atio	The origin and the production methods of constituents of growing media, which can be used alone or in combination, affect the pest risks that are associated with the growing media used with plants for planting. Growing media should be produced, stored and maintained under conditions to prevent contamination. Growing media should be treated by an approved method before use if previously exposed to plants or soil.	Brackets should be deleted in the Spanish version	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	nsl atio	used alone or in combination, affect the pest risks that are associated with the growing	Brackets should be deleted in the Spanish version	English	Ecuador, OIRSA, Belize, Costa Rica

C P Co C	Comment	Explanation	Language	Country
m r ent m a.typ . n e n o o				
14 2 Edit P 5. 9 oria u	Production methods of plants for planting may alter vary the pest risks of growing media used with these plants for planting.	To clarify	English	Uruguay
	Production methods of plants for planting may alter vary the pest risks of growing media used with these plants for planting.	To clarify	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
14 2 Edit P 7. 9 oria u	Production methods of plants for planting may alter vary the pest risks of growing media used with these plants for planting.	To clarify	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
	Production methods of plants for planting may alter the pest risks of growing media used with these plants for planting.	Not necessary, repetitive, covered in other sections	English	United States of America
	Production methods of plants for planting may alter the pest risks of growing media associated used with these plants for planting.	for clarity (see [12])	English	EPPO, Estonia, Norway, Algeria
15 2 Tec P 0. 9 hni as	Production methods of plants for planting may alter the pest risks of growing media associated used with these plants for planting.	For clarity (see [12]).	English	European Union
1. O sta fo	Various pest risk management options related to growing media in association with plants or planting – including phytosanitary measures such as treatment, inspection, sampling, esting, integrated measures in a systems approach, post-entry quarantine and prohibition - are described in this standard.	This measure is not described in this standard and not applicable to growing media.	English	Uruguay

o a m r m a	mm ent typ	Comment	Explanation	Language	Country
	sta		This measure is not described in this standard and not applicable to growing media.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
		Various pest risk management options related to growing media in association with plants for planting – including phytosanitary measures such as treatment, inspection, sampling, testing, integrated measures in a systems approach, post-entry quarantine and prohibition – are described in this standard.	This measure is not described in this standard and not applicable to growing media.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
	Sub sta ntiv e	Various Ppest risk management options related to growing media in association with plants for planting Ãf¢â'ìââ,¬Å" including production methods and phytosanitary measures forsuch as treatment, inspection, sampling, testing, integrated measures in a systems approach, post-entry quarantine and prohibition Ãf¢â'¬ââ,¬Å" are described in this standard.	"Various" is unnecessary. Need to clarify in the outline of requirements that the standard also covers production methods. Propose deleting post entry quarantine. See US comments in paragraph 67.	English	United States of America
	oria	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the movement of growing media, particularly soil or soil as a constituent component of growing media.	Consistent with other mentions in the text	English	EPPO
15 6.	Edit Oria	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the international movement of growing media in association with plants for planting. particularly soil or soil as a component of growing media.	According to ISPM 5 soil is a type of growing media	English	Uruguay
		Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the international movement of growing media in association with plants for planting. particularly soil or soil as a component of growing media.	According to ISPM 5 soil is a type of growing media	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil

C P Co o a mm m r ent m a.typ . n e		Explanation	Language	Country
n o .				
15 3 Edit 8. 2 oria	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the movement of growing media, particularly soil or soil as a component of growing media.	More or less duplicates sentence 1 of para 34, so delete here	English	Australia
	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the movement of growing media, particularly soil or soil as a constituent component of growing media.	Consistent with other mentions in the text	English	European Union
16 3 Edit 0. 2 oria	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the movement of growing media, particularly soil or soil as a constituent component of growing media.	Consistent with other mentions in the text	English	Norway, Algeria
16 3 Sub 1. 2 sta ntiv e	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the international movement of growing media in association with plants for planting particularly soil or soil as a component of growing media.	According to ISPM 5 soil is a type of growing media.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
2. 2 sta	Lae Secrétariat de la CIPV définit le concept de «milieu de culture» comme suit: «Toute matière dans laquelle poussent les racines de végétaux, ou qui est destinée à cet effet» (NIMP 5). De nombreux pays se sont dotés d'une législation réglementant le transport des milieux de culture, en particulier la terre ou la terre en tant que composant d'un milieu de culture.	Pour davantage de précision	Français	Mauritania
3. 2 sta	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purposeâ€● (in ISPM 5). Many countries have legislation in place to regulate the movement of growing media, particularly soil or soil as a component of growing media.	The definition for growing media is already defined in ISPM 5. It should not be defined in the standard.	English	United States of America
4. 2 sta	Le Secrétariat de l_a CIPV définit le concept de «milieu de culture» comme suit: «Toute matière dans laquelle poussent les racines de végétaux, ou qui est destinée à cet effet» (NIMP 5). De nombreux pays se sont dotés d'une législation réglementant le transport des	Pour davantage de précision	Français	Gabon, Congo, DR*

o a m r	Co mm ent typ		Explanation	Language	Country
. r n c o					
	е	milieux de culture, en particulier la terre ou la terre en tant que composant d'un milieu de culture.			
		Le Secrétariat de la CIPV définit le concept de «milieu de culture» comme suit: «Toute matière dans laquelle poussent les racines de végétaux, ou qui est destinée à cet effet» (NIMP 5). De nombreux pays se sont dotés d'une législation réglementant le transport des milieux de culture, en particulier la terre ou la terre en tant que composant d'un milieu de culture.	Pour plus de précision	Français	Burundi
	hni	Growing medium is defined by the IPPC as "any material in which plant roots are growing or intended for that purpose" (ISPM 5). Many countries have legislation in place to regulate the movement of growing media, particularly soil or soil as a component of growing media.	There is an over emphasis on soil as a risk. Other materials can be just as risky and are regulated by many countries	English	Australia
	oria I	A number of growing media are recognized internationally as high-risk pathways for the introduction and spread of quarantine pests. Soil as a growing medium is considered to be a high-risk pathway because it can harbour numerous pests of phytosanitary concern to many countries. The pest risks of growing media accompanying plants for planting depend on a number of factors associated with both the production of the growing media and the production of the plants, as well as the interaction of the two. Important pest risk factors include the presence of or exposure to soil during propagation and production, the length of the plant's production cycle, and for growing media containing soil, the separation_distance_between the country of origin and the country of import.	For clarity	English	Ghana
16 3	B Edit B oria	A number of growing media are recognized internationally as high-risk pathways for the introduction and spread of quarantine regulated pests. Soil as a growing medium is considered to be a high-risk pathway because it can harbour numerous pests of phytosanitary concern to many countries. The pest risks of growing media accompanying plants for planting depend on a number of factors associated with both the production of the growing media and the production of the plants, as well as the interaction of the two. Important pest risk factors include the presence of or exposure to soil during propagation and production, the length of the plant's production cycle, and for growing media containing soil, the separation between the country of origin and the country of import.	To ensure consistency between paragraphs [12] and [27].	English	Japan

	Comment	Explanation	Language	Country
o a mi m r en m a.tyl . n e n o	t			
9. 3 ori	A number of growing media are recognized internationally as high-risk pathways for the introduction and spread of quarantine pests. Soil as a growing medium is considered to be a high-risk pathway because it can harbour numerous pests of phytosanitary concern to many countries. The pest risks of growing media accompanying plants for planting depend on a number of factors associated with both the production of the growing media and the production of the plants, as well as the interaction of the two. Important pest risk factors include the presence of or exposure to soil during propagation and production, the length of the plant's production cycle, and for growing media containing soil, the geographical separation between the country of origin and the country of import.	last sentence of the paragraph for clarity and to better convey the intent.	English	Canada
17 3 Su 0. 3 sta nti e	`	This sentence is not really needed here in the Background section. The important pest risk factors should be explained in Section 4.	English	EPPO, Norway, Algeria
1 3 sta	a high-risk pathway because it can harbour numerous pests of phytosanitary concern to	If soil is considered a growing media, the exposure to soil is not a factor to be evaluated in this case. On the other side it is not clear that the separation between both countries being a factor, it is not a matter of distance between countries, but of the pest status in the country of origin and destination.	English	Uruguay
17 3 Su 2. 3 sta nti e	u high-risk pathway because it can harbour numerous pests of phytosanitary concern to many countries. The pest risks of growing media accompanying plants for planting depend on a number of factors associated with both the production of the growing media and the	If soil is considered a growing media, the exposure to soil is not a factor to be evaluated in this case. On the other side it is not clear that the separation between both countries being a factor, it is not a matter of distance between countries, but of the pest status in the country of origin and destination.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil

o a m r m a	mm ent typ e	About least's and dusting and for any sing modific and injury and the constant in least on a	Explanation	Language	Country
	Sub sta ntiv e	a high-risk pathway because it can harbour numerous pests of phytosanitary concern to	If soil is considered a growing media, the exposure to soil is not a factor to be evaluated in this case. On the other side it is not clear that the separation between both countries being a factor, it is not a matter of distance between countries, but of the pest status in the country of origin and destination.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
	sta ntiv e	A number of growing media are recognized internationally as high-risk pathways for the introduction and spread of quarantine pests. Soil as a growing medium is considered to be a high-risk pathway because it can harbour numerous pests of phytosanitary concern to many countries. The pest risks of growing media accompanying plants for planting depend on a number of factors associated with both the production of the growing media and the production of the plants, as well as the interaction of the two. Important pest risk factors include the presence of or exposure to soil during propagation and production, the length of the plant's production cycle, and for growing media containing soil, the separation between the country of origin and the country of import. Examples of growing media are provided in Annex 1A.	Adding last sentence to link the annex to the text.	English	United States of America
17 3 5. 3	sta ntiv e	A number of growing media are recognized internationally as high-risk pathways for the introduction and spread of quarantine pests. Soil as a growing medium is considered to be a high-risk pathway because it can harbour numerous pests of phytosanitary concern to	This sentence is not really needed here in the Background section. The important pest risk factors should be explained in Section 4. The important risk factors should be in one section. This should be moved to para [49].	English	European Union
17 3 6.	Tec	A number of growing media are recognized internationally as high-risk pathways for the	Pests of quarantine concern are quarantine pests, glossary term should be used in ISPM. "a number of" was	English	Uruguay

	1 1		Comment	Explanation	Language	Country
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	Ш					
			concern to many countries. The pest risks of growing media accompanying plants for planting depend on a number of factors associated with both the production of the growing	deleted because is not necessary		
	Ш		media and the production of the plants, as well as the interaction of the two. Important pest			
	Ш		risk factors include the presence of or exposure to soil during propagation and production,			
	Ш		the length of the plant's production cycle, and for growing media containing soil, the			
			separation between the country of origin and the country of import.			
			A number of growing media are recognized internationally as high-risk pathways for the		English	COSAVE,
7.	3 t			glossary term should be used in ISPM. "a number of" was		Paraguay, Chile,
		cal		deleted because is not necessary		Argentina, Peru,
	Ш		concern to many countries. The pest risks of growing media accompanying plants for planting depend on a number of factors associated with both the production of the growing			Brazil
	Ш		media and the production of the plants, as well as the interaction of the two. Important pest			
	Ш		risk factors include the presence of or exposure to soil during propagation and production,			
	Ш		the length of the plant's production cycle, and for growing media containing soil, the			
	Ш		separation between the country of origin and the country of import.			
			A number of growing media are recognized internationally as high-risk pathways for the		English	Ecuador, Mexico,
8.	3 t			glossary term should be used in ISPM. "a number of" was		OIRSA, Belize,
			a high-risk pathway because it can harbour numerous <u>quarantine</u> pests of phytosanitary concern to many countries. The pest risks of growing media accompanying plants for	deleted because is not necessary		Costa Rica
	Ш		planting depend on a number of factors associated with both the production of the growing			
	Ш		media and the production of the plants, as well as the interaction of the two. Important pest			
	Ш		risk factors include the presence of or exposure to soil during propagation and production,			
	Ш		the length of the plant's production cycle, and for growing media containing soil, the			
L	Ш		separation between the country of origin and the country of import.			
17	3	Edit	Many countries therefore regulate the movement of growing media in association with		English	Jordan
9.	4	oria	plants for planting. Growing media are often prohibited, particularly soil or soil as a constituent of growing media. While some plants for planting can have associated growing	important to permit enter the soil this translate in our permenant law No.44 for year 2002 .May this need		
				special regulation to have sharp restriction between the		
	Ш		growing media with plants for planting. Some plants can survive transport only when moved			
	Ш		in growing media. There is a need for internationally harmonized phytosanitary measures to			
			minimize the probability of introduction or spread of pests with the movement of growing			
			media accompanying plants for planting in international trade.			
18			Many countries therefore regulate the movement of growing media in association with	Better wording 2. More sensible wording in the context	English	EPPO, Algeria
			plants for planting. Growing media are often prohibited, particularly soil or when soil is soil			
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C P Co	Comment	Explanation	Language	Country
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0. 4 I	as a constituent of the growing mediummedia. While it is possible to wash or shake off	of an ISPM		
	growing media from "">¿some plants for planting can have associated growing media			
	washed off or shaken off, it is often difficult to completely toavoid the movement of			
	growing media with plants for planting. Some plants can survive transport only when moved			
	in growing media. This standard provides guidance on i»¿ There is a need for			
	internationally harmonized phytosanitary measures to minimize the probability of			
	introduction or spread of pests with the movement of growing media accompanying plants			
100 5 11	for planting in international trade.	 	 	
18 3 Edit		Text deleted is included in the mention to soil	English	Uruguay
1. 4 oria	plants for planting. Growing media are often prohibited, particularly soil or soil as a constituent of growing media. While some plants for planting can have associated growing			
	media washed off or shaken off, it is often difficult to completely avoid the movement of			
	growing media with plants for planting. Some plants can survive transport only when moved			
	in growing media. There is a need for internationally harmonized phytosanitary measures to			
	minimize the probability of introduction or spread of pests with the movement of growing			
	media accompanying plants for planting in international trade.			
		Text deleted is included in the mention to soil	English	COSAVE,
2. 4 oria	plants for planting. Growing media are often prohibited, particularly soil or soil as a			Paraguay, Chile,
	constituent of growing media. While some plants for planting can have associated growing			Argentina, Peru,
	media washed off or shaken off, it is often difficult to completely avoid the movement of			Brazil
	growing media with plants for planting. Some plants can survive transport only when moved			
	in growing media. There is a need for internationally harmonized phytosanitary measures to			
	minimize the probability of introduction or spread of pests with the movement of growing			
400 -	media accompanying plants for planting in international trade.	Tout deleted in included in the propries to sail		Ecuador, Mexico,
18 3 Edit	Many countries therefore regulate the movement of growing media in association with plants for planting. Growing media are often prohibited, particularly soil or soil as a	Text deleted is included in the mention to soil	English	
3. 4 oria	constituent of growing media. While some plants for planting can have associated growing			OIRSA, Belize,
	media washed off or shaken off, it is often difficult to completely avoid the movement of			Costa Rica
	growing media with plants for planting. Some plants can survive transport only when moved			
	in growing media. There is a need for internationally harmonized phytosanitary measures to			
	minimize the probability of introduction or spread of pests with the movement of growing			
	media accompanying plants for planting in international trade.			
18 3 Edit	Many countries therefore regulate the movement of growing media in association with	1. Better wording. 2. More sensible wording in the context	English	European Union
	plants for planting. Growing media are often prohibited, particularly soil or when soil is soil		•	

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4. 4	oria	as a constituent of the growing mediummedia. While it is possible to wash or shake off growing media from some plants for planting can have associated growing media washed	of an ISPM.		
	I	off or shaken off, it is often difficult to completely to avoid the movement of growing media			
		with plants for planting. Some plants can survive transport only when moved in growing			
		media. This standard provides guidance on There is a need for internationally harmonized			
		phytosanitary measures to minimize the probability of introduction or spread of pests with the movement of growing media accompanying plants for planting in international trade.			
18.3			The new paragraph comes from para 12 and 13.	English	Thailand
5. 4		plants for planting. Growing media are often prohibited, particularly soil or soil as a			
	ntiv	constituent of growing media. While some plants for planting can have associated growing			
	е	media washed off or shaken off, it is often difficult to completely avoid the movement of			
		growing media with plants for planting. Some plants can survive transport only when moved in growing media. There is a need for internationally harmonized phytosanitary measures to			
		minimize the probability of introduction or spread of pests with the movement of growing			
		media accompanying plants for planting in international trade.			
		It is known that regulated pests associated with the movement of growing media			
		accompanying plants for planting in international trade may have negative impacts on			
		biodiversity. Implementation of this standard could significantly reduce the introduction and spread of pests associated with growing media and consequently reduce their negative			
		impacts. In addition, the application of phytosanitary measures in accordance with this			
		standard could also reduce the probability of introduction and spread of other organisms			
		that may become invasive alien species in the country of import and thus affect biodiversity.			
		Certain pest risk management measures (e.g. some treatments with fumigants) may have a negative impact on the environment. Countries are encouraged to promote the use of			
		phytosanitary measures that have a minimal negative impact on the environment			
18 3	Sub	Many countries therefore regulate the movement of growing media in association with	Global change. This sentence appears to be in	English	United States of
6. 4		plants for planting. Growing media are often prohibited, particularly soil or soil as a	contradiction with the scope, because it refers to		America
	ntiv	component constituent of growing media. While some plants for planting can have	contaminants. Modified for clarification. "Risk" is more		
		associated growing media washed off or shaken off, it is often may be difficult to completely	common terminology in ISPMs.		
		avoid the movement of growing media with plants for planting, which may require additional phytosanitary measures. Some plants can survive			
		transport only when moved in growing media. There is a need for internationally			
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	Co mm		Explanation	Language	Country
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		harmonized phytosanitary measures to minimize the probability risk of introduction or spread of pests with the movement of growing media accompanying plants for planting in international trade.			
				English	Uruguay
		Many countries therefore regulate the movement of growing media in association with		English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
		Many countries therefore regulate the movement of growing media in association with		English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
	Sub sta ntiv e		The "Requirements" portion should only comprised of 2 points i.e. PRA & PRM Options instead of the 5 points now. Existing point 2 & 3 are sub-sets under point 4 which are on PRA.	English	Singapore

C P Co	Comment	Explanation	Language	Country
o a mm m r ent m a.typ . n e n o				
1. 7 oria	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	Better wording.	English	Uruguay
2. 7 oria	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	Better wording.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
3. <mark>7</mark> oria	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:201304, including the consideration of pest risk factors of various-growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	Better wording.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
4. 7 oria	Pour l'évaluation des risques phytosanitaires associés aux milieux de culture accompagnant les végétaux destinés à la plantation, l'ONPV du pays importateur devrait procéder à une ARP conformément à la NIMP 2:2007 et à la NIMP 11:2004 2013, et prendre notamment en considération les facteurs de risque phytosanitaire des différents milieux de culture décrits dans la présente norme. Il convient de noter que les organismes nuisibles transportés avec les milieux de culture accompagnant des végétaux peuvent être nuisibles à d'autres végétaux.	date	Français	Mauritania
5. <mark>7</mark> oria	For the evaluation of pest risks of growing media accompanying associated with plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.		English	Malaysia
6. <mark>7</mark> oria	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:201304, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	See comment on 17	English	NEPPO

o a m r m a	mm ent a.typ		Explanation	Language	Country
		For the evaluation of pest risks of growing media accompanying associated with plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	consistency	English	Korea, Republic of
19 3	Bedit oria	For the evaluation of pest risks of growing media accompanying associated with plants for planting, the NPPO of the importing country should carry out PRA in accordance with	This is the regional comment made by the 14th APPPC Regional Workshop on Review of draft ISPMs. The same reason as No. 1.	English	Japan
19 3	Bedit 7 oria I	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:200413, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	Change the reference to the new title	English	Algeria, Morocco
		For the evaluation of Phytosanitary import requirements for pest risks of growing media accompanying plant f	Not all evaluation of pest risks should be done by a PRA. As written in other ISPMs import requirements should be technically justified on the basis of a PRA.	English	EPPO, Norway
	Sub sta ntiv e	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and	Both factors and their interaction should be considered when conducting PRA for plants for planting associated with growing media.	English	Uruguay
20	Sub sta		Both factors and their interaction should be considered when conducting PRA for plants for planting associated	English	COSAVE, Paraguay, Chile,

			Explanation	Language	Country
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2.	7 ntiv e	ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard and factors related to the production of plants for planting (ISPM 36: 2012). It should be noted that <u>quarantine</u> pests carried with growing medium accompanying a plant may be pests of other plants.	with growing media.		Argentina, Peru, Brazil
3.	7 sta ntiv e	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard and factors related to the production of plants for planting (ISPM 36: 2012). It should be noted that quarantine pests carried with growing medium accompanying a plant may be pests of other plants.	when conducting PRA for plants for planting associated with growing media.	English	Ecuador, OIRSA, Belize
	Sub 7 sta ntiv e	for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors	The phrase "growing media in association with plants for plantings" should be used throughout the standard. The exporting country which has to consider the mitigation pest risk should also be concerned in this paragraph.	English	Thailand
20 5.	3 Suk 7 sta ntiv e	For the evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA should carried out in accordance with	Not a requirement of the NPPO of the importing country. PRA could also be developed by the NPPO of the exporting country. Should also include a reference to ISPM 21.	English	United States of America
6.	Suk sta ntiv e		As written in other ISPMs, import requirements should be technically justified.	English	European Union

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			standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.			
	<mark>7</mark> s	sta ntiv	NPPO of the importing country should carry out PRA in accordance with ISPMÂ 2:2007	Both factors and their interaction should be considered when conducting PRA for plants for planting associated with growing media.	English	Costa Rica
	<mark>7</mark> h	nni cal	For the evaluation of pest risks of <u>a growing media accompanying plants</u> for planting, the NPPO of the importing country should carry out <u>a PRA</u> in accordance with ISPM 2:2007 and ISPM 11: 2004 2013, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	1) Clearer (consistency with [40]). 2) Clearer (consistency with [40]). 3) ISPM 11 was revised in 2013.	English	EPPO
20 9.	<mark>7</mark> h	nni cal	For the assessment evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	·	English	Suriname, Jamaica, Trinidad and Tobago, Dominica
	<mark>7</mark> h	nni cal	For the assessment evaluation of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.		English	Saint Kitts And Nevis
	<mark>7</mark> h	nni cal		It is assessment of pest risks and not evaluation and is in keeping with the definintion of PRA.	English	Barbados
21 2.	3 T 7 h	Γec nni	For the <u>assessment evaluation</u> of pest risks of growing media accompanying plants for planting, the NPPO of the importing country should carry out PRA in accordance with ISPM 2:2007 and ISPM 11:2004, including the consideration of pest risk factors of various	Consistency in keeping with ISPM 5	English	Guyana

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	cal	growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.			
21 3.		For the evaluation of pest risks of <u>a</u> growing media accompanying plants for planting, the NPPO of the importing country should carry out <u>a</u> PRA in accordance with ISPM 2:2007 and ISPM 11: 2004 2013, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	1) Clearer (consistency with [40]). 2) Clearer (consistency with [40]). 3) ISPM 11 was revised in 2013.	English	European Union
21 4.		For the evaluation of pest risks of <u>a growing media accompanying plants</u> for planting, the NPPO of the importing country should carry out <u>a PRA</u> in accordance with ISPM 2:2007 and ISPM 11: 2004 2013, including the consideration of pest risk factors of various growing media described in this standard. It should be noted that pests carried with growing medium accompanying a plant may be pests of other plants.	1) Clearer (consistency with [40]). 2) Clearer (consistency with [40]). 3) ISPM 11 was revised in 2013.	English	Norway, Algeria
	3 Edi 8 oria I	t 2-1.1 Constituents of Growing Media and their Associated Pest Risk	This section should be a sub section under Pest Risk Analysis	English	Thailand, Malaysia
	3 Edi 8 oria I		This section should be a sub section under Pest Risk Analysis	English	Korea, Republic of
	3 Edi 8 oria I		This section should be a sub-section under pest risk analysis.	English	Nepal
	3 Edi 8 oria I	t 2-1.1. Constituents of Growing Media and their Associated Pest Risk	This section should be a sub section under Pest Risk Analysis	English	Viet Nam
	3 Sul 8 sta ntiv		Clearer. Suggest a global change.	English	United States of America, Mexico

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0. 9 o	growing media affect the pest risks that are associated with the growing media associated with accompanying plants for planting. Annex 1a lists constituents of growing media and indicates their pest risk under the assumption that they were not previously used as growing media or packing material and that they have been handled and stored in a way that minimizes contamination. Annex 1b provides specific guidance on growing media associated with plants for planting that may generally be considered of low or negligible risk.		English	EPPO, Algeria
22 3 E 1. 9 o	dit The origin and the production methods of constituents (used alone or in combination) of growing media affect the pest risks that are associated with the growing media associated with accompanying plants for planting. Annex 1a lists constituents of growing media and indicates their pest risk under the assumption that they were not previously used as growing media or packing material and that they have been handled and stored in a way that minimizes contamination. Annex 1b provides specific guidance on growing media associated with plants for planting that may generally be considered of low or negligible risk.	1) English. 2) See [27]. 3) Clearer. 4) See [79].	English	European Union
2. 9 s	combination) of growing media affect the pest risks that are associated with the growing media accompanying plants for planting. Annex 1a lists componentscenstituents of growing media and indicates their pestrelative phytosanitary risk, under the assumption that they were not previously used as growing media for planting and were or packing material and have been handled and stored in a way that prevents minimizes contamination. Annex 1b provides information specific guidance on growing media associated with plants for planting that may generally be considered of low or negligible risk.	match the footnote in Annex 1a. See US comment on	English	United States of America

C P Co o a mm m r ent m a. typ . n e n o o		Explanation	Language	Country
		Phytophthora ramorum from recirculated irrigation water. This means the Phytophthora spores stayed in the sand.		
3. 9 sta	growing media affect the pest risks that are associated with the growing media	Delete the last sentence of the paragraph as it should not refer to Annex 1b which has been deleted. Please see comment under Para. 77 below.	English	Canada
22 3 Tec 4. 9 hni cal	The origin and the production methods of constituents (<u>whether consideredused</u> -alone or in combination) of growing media affect the pest risks that are associated with the growing media accompanying plants for planting. Annex 1a lists constituents of growing media and indicates their pest risk under the assumption that they were not previously used as growing media or packing material and have been handled and stored in a way that minimizes contamination. Annex 1b provides specific guidance on growing media associated with plants for planting that may generally be considered of low or negligible risk.	refer to comments on para 28	English	Australia
22 4 Edit 5. 0 oria	Growing media containing organic constituents may be more likely to harbour pests than purely mineral or synthetic growing media. Growing media consisting of plant debris generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. The PRA should focus on the growing media constituent(s) posing the highest pest risk. If soil is part of the growing medium or the probability that the medium will be contaminated with soil is considered high, the pest risk may be particularly difficult to fully assess due to the likely presence of many different pests and other organisms not yet deemed to be pests. The PRA should focus on the growing media constituent(s) posing the highest pest risk.	It's more clearly.	English	China
22 4 Edit 6. <i>0</i> oria	Growing media containing organic constituents may be more likely to harbour pests than purely mineral or synthetic growing media. Growing media consisting of plant debris generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. If soil is part of the growing medium or the probability that the medium will be contaminated with soil is considered high, the pest risk may be particularly	Unclear as to what 'not yet' meant to mean so amend	English	Australia

o m m	a mn r ent a. typ n e	difficult to fully assess due to the likely presence of many different pests and other	Explanation	Language	Country
		organisms that could be not yet deemed to be pests. The PRA should focus on the growing media constituent(s) posing the highest pest risk. Growing media containing organic constituents may be more likely to harbour pests than purely mineral or synthetic growing media. Growing media consisting of plant debris generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. If soil is part of the growing medium or the probability that the medium will be contaminated with soil is considered high, the pest risk may be particularly difficult to fully assess due to the likely presence of many different pests and other organisms not yet deemed to be pests. The PRA should focus on the growing media constituent(s) posing the highest pest risk.	I. If a treatment is effective, then growing medium consisting of plant debris does not pose a higher risk than mineral or synthetic medium. 2. This is wrong - it predicts the result of the PRA before it is carried out, and overlooks the potential risks of other constituents.	English	EPPO, Norway
22 8.	n sta	Growing media containing organic constituents may be more likely to harbour pests than purely mineral or synthetic growing media. Growing media consisting of plant debris, generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. If soil is part of the growing medium or the probability that the medium will be contaminated with soil is considered high, the pest risk may be particularly difficult to fully assess due to the likely presence of many different pests and other organisms not yet deemed to be pests. The PRA should focus consider on the risk posed by growing media constituent(s) posing the highest pest risk.	What is relevant are pests, it is not clear what are organisms not yet deemed to be pests. The PRA should consider all constituents and not focused to those of highest pest risks.	English	Uruguay
		Growing media containing organic constituents may be more likely to harbour pests than purely mineral or synthetic growing media. Growing media consisting of plant debris	What is relevant are pests, it is not clear what are organisms not yet deemed to be pests. The PRA should consider all constituents and not focused to those of highest pest risks.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	0 sta	Growing media containing organic constituents may be more likely to harbour pests than purely mineral or synthetic growing media. Growing media consisting of plant debris, generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. If soil is part of the growing medium or the probability that the medium will be contaminated with soil is considered high, the pest risk may be particularly difficult to fully assess due to the likely presence of many different pests and other	What is relevant are pests, it is not clear what are organisms not yet deemed to be pests. The PRA should consider all constituents and not focused to those of highest pest risks.	English	Ecuador, OIRSA, Belize, Costa Rica

o m m	a mn r ent a. typ n e		Explanation	Language	Country
		organisms not yet deemed to be pests. The PRA should focus consider on the risk posed by growing media constituent(s) posing the highest pest risk.			
	0 sta	pests than purely mineral or synthetic growing media. Growing media consisting of plant debris generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. If soil is part of the growing medium, or the probability that the medium will be contaminated with soil is considered high, the pest risk may be particularly difficult to fully assess due to the likely presence of many different pests and other organisms not yet deemed to be pests. The PRA should focus on the growing media constituent(s) posing the highest pest risk.	Global change. 2nd deletion, soil as a contaminant is not included in the scope of this standard. PRA considers all pest risks. The NPPO shouldn't focus on only the highest pest risk, but should also consider the pest risks of all the components. The blanket statement "Growing media containing organic constituents may be more likely to harbor pests than purely mineral" (or synthetic growing media) is disputable. It is true that synthetic media have few pests prior to plant production, but during the growing process, organic matter greatly influences microbial population dynamics, and can be useful in pathogen control (Hoitink and Boehm, 1999). For example, Nesbit et al. (1979) found organic matter reduced the survival of Phytophthora cinnamomi in soil. They suggested the abortion of spores was caused by the increased nutrient capacity fostering beneficial microbial populations antagonistic to the pathogen.	English	United States of America
23	0 sta	purely mineral or synthetic growing media. Growing media consisting of plant debris generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. If soil is part of the growing medium or the probability that the	1. If a treatment is effective, then growing medium consisting of plant debris does not pose a higher risk than mineral or synthetic medium. 2. This is wrong - it predicts the result of the PRA before it is carried out, and overlooks the potential risks of other constituents.	English	European Union
3.	4 Teo	Growing media containing organic constituents may be more likely to harbour pests than purely mineral or synthetic growing media. Growing media consisting of plant debris generally pose a greater pest risk, even after heat or chemical treatment, than mineral or synthetic growing media. If soil is part of the growing medium or the probability that the medium will be contaminated with soil is considered high, the pest risk may be particularly difficult to fully assess due to the likely presence of many different pests and other organisms not yet deemed to be pests. The PRA should focus on the growing media	"All of the organisms that are potentially pests" is too large to be all taken in.	-	EPPO, Norway, Algeria

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		constituent(s) posing the highest pest risk.			
23 4	Tec	Growing media containing organic constituents may be more likely to harbour pests than	"All of the organisms that are potentially pests" is too large	English	European Union
4. 0		purely mineral or synthetic growing media. Growing media consisting of plant debris	to be all taken in.		
		generally pose a greater pest risk, even after heat or chemical treatment, than mineral or			
		synthetic growing media. If soil is part of the growing medium or the probability that the			
		medium will be contaminated with soil is considered high, the pest risk may be particularly			
		difficult to fully assess due to the likely presence of many different pests and other			
		organisms not yet deemed to be pests. The PRA should focus on the growing media			
		constituent(s) posing the highest pest risk.			
23 4	Edit	3. Production of Growing Media and Treatment Before Use	restructuring	English	Thailand, Malaysia
5. 1	oria				
23 4	Edit	3. Production of Growing Media and Treatment Before Use	delete	English	Korea, Republic of
	oria	or reduction of oroming modic and reduction policy of	doloto	Lingilon	rtoroa, rtopabilo oi
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		3. Production of Growing Media and Treatment Before Use	Restructuring	English	Viet Nam
7. 1	oria				
23 4	Sub	3. Production of Growing Media and Treatment Before Use	Suggest moving to become a new Section under	English	United States of
	sta		paragraph 53 because the information it includes is more	•	America
[·]	ntiv		appropriate as a pest risk management option and		,
			includes information on treatments.		
	е				
\perp					
23 <mark>4</mark>	Edit	The pest risks posed by growing media depend largely on the media's production methods	restructuring	English	Thailand, Malaysia
9. 2	oria	and the degree of processing.			
	1		1	1	

C P Co o a mm m r ent m a.typ . n e n o o	Comment	Explanation	Language	Country
24 4 Edit 0. 2 oria	The pest risks posed by growing media depend largely on the media's production methods and the degree of processing.	Move under new 1.2	English	Korea, Republic of
	The pest risks posed by growing media depend largely on the media's production methods and the degree of processing.	Move under new 1.2	English	Viet Nam
24 4 Sub 2. 2 sta ntiv e	The pest risks posed by growing media depend largely on the media's production methods and the degree of processing.	Suggest moving to under paragraph 53. See US comment on paragraph 41.	English	United States of America
24 4 Sub 3. 2 sta ntiv e	The pest risks posed by growing media depend largely on the media's production methods , treatment and the degree of processing.	We believe that treatment ishould be considered important when assessing the risk ,	English	Dominica
24 4 Edit 4. 3 oria	Growing media should be produced under a management system that allows appropriate traceability (back and forward). Growing media should be produced, stored and maintained under conditions that prevent their contamination. The media should not be exposed to any plants or soil (in the case of soil-free growing media). If this has not been achieved, depending on the result of the PRA, the growing media may need to be treated by an appropriate method before use, such as steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization For claritybefore use.	For clarity	English	Ghana
24 4 Sub 5. 3 sta ntiv e		See US comment on paragraph 41.	English	United States of America

C P o a m r m a n o o	mm ent typ	Comment	Explanation	Language	Country
6. <mark>3</mark>	hni cal	contamination. The media should not be exposed to any plants or soil (in the case of soil-	1) To clarify what should be traced back and forward. 2) Reference to PRA here is strange. PRA is conducted to justify import requirements, not to assess pest risks in cases of (incidental?) contamination of growing media with soil 3) fumigation is generally considered as a chemical treatment.	English	EPPO, Norway
7. <mark>3</mark>	hni cal	Growing media should be produced under a management system that allows appropriate traceability (back and forward). Growing media should be produced, stored and maintained under conditions that prevent their contamination. The media should not be exposed to any plants or soil (in the case of soil-free growing media). If this has not been achieved, depending on the result of the PRA, the growing media may need to be treated by an appropriate method treatment before use, such as steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization.		English	Uruguay
8. 3		Growing media should be produced under a management system that allows appropriate traceability (back and forward). Growing media should be produced, stored and maintained under conditions that prevent their contamination. The media should not be exposed to any plants or soil (in the case of soil-free growing media). If this has not been achieved, depending on the result of the PRA, the growing media may need to be treated by an appropriate method-treatment before use, such as steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization.		English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
9. 3	hni cal	Growing media should be produced under a management system that allows appropriate traceability (back and forward). Growing media should be produced, stored and maintained under conditions that prevent their contamination. The media should not be exposed to any plants or soil (in the case of soil-free growing media). If this has not been achieved, depending on the result of the PRA, the growing media may need to be treated by an appropriate method-treatment before use, such as steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization.		English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
25 4 0. 3	Tec hni	Growing media should be produced under a management system that allows appropriate traceability (back and forward) <u>of both it and its constituents where appropriate</u> . Growing media should be produced, stored and maintained under conditions that prevent their	To clarify what should be traced back and forward. 2) Reference to PRA here is strange. PRA is conducted to justify import requirements, not to assess pest risks in	English	European Union

С	P	Со	Comment	Explanation	Language	Country
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	C		free growing media). If this has not been achieved, depending on the result of the PRA, the	cases of (incidental?) contamination of growing media with soil 3) fumigation is generally considered as a chemical treatment.		
25	 4 E	Edit	4. Factors that Affect the Pest Risks of Growing Media associated with Used for	for clarity	English	EPPO
1.	4 c	oria I	Plants for Planting			
25 2.	4 E	Edit oria I	4. Factors that Affect the Pest Risks of Growing Media Used for associated with Plants for Planting	For consistency throughout the text	English	Uruguay
			4. Factors that Affect the Pest Risks of Growing Media Used for <u>associated with</u> Plants for Planting	For consistency throughout the text	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
25 4.	4 E	Edit oria I	4. Factors that Affect the Pest Risks of Growing Media Used for <u>associated with Plants for Planting</u>	For consistency throughout the text	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
				This section should be a sub section under Pest Risk Analysis	English	Thailand, Malaysia
			The pest risks posed by growing media depend largely on the media's production methods and the degree of processing.			
			Growing media should be produced under a management system that allows appropriate traceability (back and forward). Growing media should be produced, stored and maintained			

o m m	a mm r ent a.typ n e o		Explanation	Language	Country
		depending on the result of the PRA, the growing media may need to be treated by an appropriate method before use, such as steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization. t4. 1.2 Factors that Affect the Pest Risks of Growing Media Used for Plants for	This section should be a sub section under Pest Risk Analysis	English	Korea, Republic of
	-	The pest risks posed by growing media depend largely on the media's production methods and the degree of processing. Growing media should be produced under a management system that allows appropriate traceability (back and forward). Growing media should be produced, stored and maintained under conditions that prevent their contamination. The media should not be exposed to any plants or soil (in the case of soil-free growing media). If this has not been achieved, depending on the result of the PRA, the growing media may need to be treated by an appropriate method before use, such as steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization.			
7.	4 oria	Plants for Planting	For clarity.	English	European Union
	4 Edi 4 oria I		This section should be a sub-section under pest risk analysis.	English	Nepal
			This section should be a sub section under Pest Risk Analysis	English	Viet Nam

		Explanation	Language	Country
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	free growing media). If this has not been achieved, depending on the result of the PRA, the			
	growing media may need to be treated by an appropriate method before use, such as stea			
	m pasteurization, heat treatment, chemical treatment (fumigation or sterilization).			
26 <mark>4</mark> Su	b 34. Factors that Affect the Pest Risks of Growing Media Used for Plants for Planting	See US comment in paragraph 41	English	United States of
0. 4 sta				America
nti	v			
e				
		Suggest moving to chapeau of Risk Management Options	English	United States of
1. 5 sta	media used. While some growing media may pose a low pest risk by nature of their	section		America
nti	production, they may become contaminated during the production process of plants for planting. Requirements contained in ISPMÂ 36:2012 on integrated measures for plants for			
e	planting should be considered to prevent contamination of the growing media. Production			
	should be initiated from growing media, plants for planting and water that are all pest free.			
	Additional phytosanitary measures may be used, either alone or in combination, to ensure			
	the pest risks are managed.			
	c The production methods of plants for planting may affect the pest risks of the growing		English	Uruguay
2. <mark>5</mark> hn		the importing country		
ca	production, they may become contaminated during the production process of plants for			
	planting. Requirements contained in ISPM 36:2012 on integrated measures for plants for planting should be considered to prevent contamination of the growing media. Production			
	should be initiated from growing media, plants for planting and water that are all pest			
	free of pests regulated by the importing country. Additional phytosanitary measures may be			
	used, either alone or in combination, to ensure the pest risks are managed.			
			English	COSAVE,
3. <mark>5</mark> hn		the importing country		Paraguay, Chile,
ca	production, they may become contaminated during the production process of plants for			Argentina, Peru,
	planting. Requirements contained in ISPM 36:2012 on integrated measures for plants for planting should be considered to prevent contamination of the growing media. Production			Brazil
	should be initiated from growing media, plants for planting and water that are all pest			
	free of pests regulated by the importing country. Additional phytosanitary measures may be			
	used, either alone or in combination, to ensure the pest risks are managed.			
		What is required is pest freedom from pests regulated in	English	Ecuador, Mexico,
hn	media used. While some growing media may pose a low pest risk by nature of their			OIRSA, Belize,

o m m	a mm r ent a. typ n e		Explanation	Language	Country
4.		production, they may become contaminated during the production process of plants for planting. Requirements contained in ISPM 36:2012 on integrated measures for plants for planting should be considered to prevent contamination of the growing media. Production should be initiated from growing media, plants for planting and water that are all pest free of pests regulated by the importing country. Additional phytosanitary measures may be used, either alone or in combination, to ensure the pest risks are managed.	the importing country		Costa Rica
	5 hni cal	The production methods of plants for planting may affect the pest risks of the growing media used. While some growing media may pose a low pest risk by nature of their production, they may become contaminated during the production process of plants for	It is very onerous to specify that all input materials SHOULD be pest free. The only practical approach is to know the status of the materials and apply appropriate measures as and when required.	English	Australia
- 1	4 Sub 6 sta ntiv e	The NPPO of the importing country may take into consideration the pest risks (as outlined in Annex 1a and 1b and Appendix 1) of constituents of growing media in association with plants for planting when conducting a PRA to identify appropriate phytosanitary measures. Furthermore In general, PRA should consider the status of regulated pests in the importing and exporting countries, and the degree of similarity between those countries (see ISPM 2:2007 and ISPM 11:2004). Ppest risks may also depend on:	For clarity, much of the text is redundant.	English	United States of America
26 7.	4 Sub 7 sta ntiv e	degree of geographical similarity of, or distance between, country of origin and country of import (e.g. post risk related to soil originating in different continents versus adjacent countries within one ecoclimatic region)	Redundant, incorporated into paragraph 46.	English	United States of America
26 8.	4 Tec 7 hni cal	geographicalÃ, similarity	The meaning of 'geographical' similarity seems unclear, and keeping the wording very simple might actually provide more clarity here.	English	EPPO

	1 1		Comment	Explanation	Language	Country
m m	a m r e a.ty n e o	ent yp				
9.	c	nni :al		not relevant, it mixes distance between countries and geographic similarity between countries. The factor that should be taken into account is the pest status in the country of origin and destination, distance has nothing to do.	English	Uruguay
27 0.	11	Tec ini al	country of import (e.g. pest risk related to soil originating in different continents versus adjacent countries within one ecoclimatic region)	Not clear wording, it could be taken into account but it is not relevant, it mixes distance between countries and geographic similarity between countries. The factor that should be taken into account is the pest status in the country of origin and destination, distance has nothing to do.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	4 T 7 h c:		degree of geographical similarity of, or distance between, country of origin and country of import (e.g. pest risk related to soil originating in different continents versus adjacent countries within one ecoclimatic region)	Not clear wording, it could be taken into account but it is not relevant, it mixes distance between countries and geographic similarity between countries. The factor that should be taken into account is the pest status in the country of origin and destination, distance has nothing to do.	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
27 2.		Tec nni cal	degree of geographical similarity of, or distance between, country of origin and country of import (e.g. pest risk related to soil originating in different continents versus adjacent countries within one ecoclimatic region)	Soil is an interacting system. It is rich on diversified microorganisms which in some cases can have antagonist effect on pests. The interacting system can vary from on part to another depending upon a soil structure, chemical compounds and exchanges between roots and microorganisms of soils. The climate and crops can also impact the biological component of the soil. So, it is difficult on this basis to take into consideration this similarity.	English	NEPPO
27 3.	11	Tec nni cal	 <u>for soil and growing media containing soil the degree of geographicalÃ,Â-similarity</u> of, or distance between, country of origin and country of import , or distance 		English	European Union

o a n	ent cyp	Explanation	Language	Country
27 4 T 4. 7 h	tor con and growing mountaining contain and acquire	and country of and keeping the wording very simple might	ems unclear, English actually	Norway
27 4 T 5. 7 h		between, country nating in different	English	Algeria, Morocco
27 4 E 6. 8 o	poor states of following poors in the experting of importing sounds	y (e.g. pest free Glossary term	English	Uruguay
27 4 E 7. 8 o	bearing of the second of the s	y (e.g. pest free Glossary term	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
27 4 E 8. 8 0	bearing of the second of the s	y (e.g. pest free Glossary term	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
27 4 S 9. 8 s n	sta area of low pest prevalence) ntiv	Redundant	English	United States of America
28 <mark>4</mark> T	• status of relevant pests in the exporting or importing country (e.g	Descriptions of pest status, not measures	English	EPPO

	P Co a mn	Comment	Explanation	Language	Country
m m	r ent a. typ				
	n e o				
0.	8 cal	presence, absence or transience pest free area, area of low pest prevalence)			
	4 Ted 8 hni cal	status of relevant pests in the exporting or importing country (e.g. pest free area, area of low pest prevalence)	These are not examples of pest status according to ISPM 8	English	Uruguay
	4 Ted 8 hni cal	status of relevant pests in the exporting or importing country (e.g. pest free area, area of low pest prevalence)	These are not examples of pest status according to ISPM 8	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	4 Ted 8 hni cal	status of relevant pests in the exporting or importing country (e.g. pest free area, area of low pest prevalence)	These are not examples of pest status according to ISPM 8	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
	4 Ted 8 hni cal	status of relevant pests in the exporting or importing country (e.g. presence, absence or transience pest free area, area of low pest prevalence)	Descriptions of pest status, not measures	English	European Union
	4 Ted 8 hni cal	status of relevant pests in the exporting or importing country (e.gpest free area, area of low pest prevalence)	The examples were of measures not pest status	English	Norway
	4 Ted 8 hni cal	status of relevant pests in the exporting or importing country (e.g. presence, absence or transience pest free area, area of low pest prevalence)	Descriptions of pest status, not measures	English	Algeria
	9 sta	traceability of the growing media during production and storage	Moved part of text from Background. Clarify that first bullet is about production of growing media (up til it is used for planting) and next bullet point is about what happens after planting, other two bullets are additional conditions that	English	EPPO, Norway

o a m r	mm ent typ	Comment	Explanation	Language	Country
28/4	e 	 Presence of, or exposure to, soil during plant propagation and production, production systems in place to prevent contamination of growing media, and 	To include the inserted bullet as a new bullet no 50 to	English	Singapore
	sta ntiv e	 production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage Measures to prevent contamination of growing media during transportation. 	highlight the dependency of measures during transportation under pest risk.	Liigiisii	отпуарото
9.	Sub sta ntiv e	traceability of the growing media during production and storage Measures to prevent contamination of growing media during transportation	adding new bullet. It should be considered a pest risk during transportation.	English	Thailand
	Sub sta ntiv e	 production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage New para [50] Measures to prevent contamination of growing media during transportation 	Thailand proposed to add a new point	English	Malaysia
	Sub sta ntiv e	 components of growing media production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage	Delete 2nd part of bullet because traceability is not a factor affecting pest risk, and is addressed as a risk management option in paragraph 43.	English	United States of America
	Sub sta ntiv	 production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage production system for the plants (e.g. the presence of or exposure to soil) length of the plant's production cycle 	Moved part of text from Background. Clarify that first bullet is about production of growing media (up til it is used for planting) and next bullet point is about what happens after planting, other two bullets are additional conditions that	English	European Union

	1 1	Co mm	Comment	Explanation	Language	Country
-		ent typ e				
		e	presence of, or exposure to, soil during plant propagation and production,	seem relevant. See our comment No.10.		
	9 s	Sub sta ntiv e	 production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage New paragraph [50] Measures to prevent contamination of growing media during transportation 	Clearly for a system	English	Viet Nam
	9 r	Tec hni cal	production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage	It is too difficult to trace back the growing media during production or storage for growing media associated with plants for planting. This seems to be more appropriate for bulk growing media as a commodity. What is relevant is that the growing media could be certified by the NPPO of the exporting country and complies with phytosanitary import requirements of the NPPO of the importing country	English	Uruguay
5.	9 1	cal	 production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage 	production or storage for growing media associated with plants for planting. This seems to be more appropriate for bulk growing media as a commodity. What is relevant is that the growing media could be certified by the NPPO of the exporting country and complies with phytosanitary import requirements of the NPPO of the importing country	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
6.	9 1	Tec hni cal	 production systems in place to prevent contamination of growing media, and traceability of the growing media during production and storage 	production or storage for growing media associated with plants for planting. This seems to be more appropriate for bulk growing media as a commodity. What is relevant is that the growing media could be certified by the NPPO of the exporting country and complies with phytosanitary import requirements of the NPPO of the importing country	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
29		Sub sta	intended location and use of the plants for planting associated with the growing	Intended use of plants for planting is "planting"	English	Uruguay

o m m	a mr r en a. typ n e	m t	Explanation	Language	Country
7.	0 ntiv	v media			
	5 Su 0 sta ntiv	n media	Intended use of plants for planting is "planting"	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	5 Su 0 sta ntiv	media	Intended use of plants for planting is "planting"		Ecuador, Mexico, OIRSA, Belize, Costa Rica
	5 Su 0 sta ntiv	planting associated with the growing media	Plants for planting is an intended use. Need to clarify the meaning of "intended use" in this indent. Suggest providing examples. New bullet: Once growing media is used, the risk level is affected.	English	United States of America
	5 Te	media	"intended location" should be detailed if it is to be kept, as it makes no sense here.	English	EPPO
	5 Te	media	"intended location" should be detailed if it is to be kept, as it makes no sense here.	English	European Union
30	5 Te		"intended location" should be detailed if it is to be kept, as it makes no sense here.	English	Norway

C		Comment	Explanation	Language	Country
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n d					
0.					
3.	cal	media			
30 4.	Suk sta ntiv e	history of trade, if it exists (e.g. new trade versus long trade history of plants with soil)	Is the intention to suggest that if you have been importing plants with soil for many years then the pest risk of more soil should be lower. This may be correct in some cases but is really a sweeping generalisation that would be highly dependent on the specific circumstances.	English	Australia
30 5.	Suk sta ntiv e	soil)	This example expresses confidence in the system and is not an inherent property of growing media.	English	United States of America
30 6.	Tec hni cal	increased of contenting inspects of contenting instead in the content of contenting in the content of contenting in the content of contenting in the content of conte	clearer wording for better link to the impact on pest risk	English	EPPO, Algeria
30 7.	Teo hni cal	history of trade, if it exists (e.g. new trade versus long trade history of plants with soil)	Pest risks do not depend on history of trade. Besides if it is necessary to carry out a PRA there is no history of trade	English	Uruguay
30 8	Teo hni cal	history of trade, if it exists (e.g. new trade versus long trade history of plants with soil)	Pest risks do not depend on history of trade. Besides if it is necessary to carry out a PRA there is no history of trade	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
30 9.	Ted hni cal	history of trade, if it exists (e.g. new trade versus long trade history of plants with soil)	Pest risks do not depend on history of trade. Besides if it is necessary to carry out a PRA there is no history of trade	English	Ecuador, OIRSA, Belize, Costa Rica
31	Tec hni	In the assessment of risk, the following points may be relevant:	Para 46 and the dot points are a mixture of factors influencing pest risk and factors that could be considered	English	Australia

o m m	P Co a mm ent a. typ n e		Explanation	Language	Country
0.	1 cal	 history of trade, if it exists (e.g. new trade versus long trade history of plants with soil) 	in assessing the risk. Dot points at 51 and 52 relate to the assessment of risk. They do not directly affect the risk.		
31 1.	Tec 1 hni cal	historical or existing import of soil or growing media history of trade, if it exists (e.g. new trade versus long trade history of plants with soil)	Clearer wording for better link to the impact on pest risk.	English	European Union
31 2.	Tec 1 hni cal	 historical or existing import of plants with soil or growing media history of trade, if it exists (e.g. new trade versus long trade history of plants with soil) 	clearer wording for better link to the impact on pest risk	English	Norway
	5 Sub 2 sta ntiv e	Degree to which plant parts (especially roots) are obscured for pests of concern	Deleted bullet expresses confidence in the system, and is not an inherent property of growing media. Added bullet, this point should be included.	English	United States of America
	5 Tec 2 hni cal	notifications of non-compliance of imported consignments, if they exist.	Merged into new un-bulleted para 51.	English	EPPO, Norway, Algeria
5.	5 Tec 2 hni cal		the importing country or notifications in general. If it refers to the first case, there is no history of trade and a PRA is being conducted to assess pest risk. If it refers to the second case, notification of non compliance is a bilateral process and not always available for third countries.	English	Uruguay
	5 Tec 2 hni cal	nouncations of non-compliance of imported configurations, if they exict	It is not clear if this item refers to notifications received by the importing country or notifications in general. If it refers to the first case, there is no history of trade and a PRA is being conducted to assess pest risk. If it refers to the second case, notification of non compliance is a bilateral	English	COSAVE, Paraguay, Chile, Argentina, Peru,

o m m	a mı r en a. ty _l n e		Explanation	Language	Country
			process and not always available for third countries.		Brazil
	5 Te 2 hn ca	notifications of non-compliance of imported consignments, if they exist.	It is not clear if this item refers to notifications received by the importing country or notifications in general. If it refers to the first case, there is no history of trade and a PRA is being conducted to assess pest risk. If it refers to the second case, notification of non compliance is a bilateral process and not always available for third countries.	English	Ecuador, OIRSA, Belize, Costa Rica
	5 Te 2 hn ca	notifications of non-compliance of imported consignments, if they exist.	Merged into new un-bulleted para 51.	English	European Union
	5 Ed 3 ori	<u>5_2</u> . Pest Risk Management Options	Rearrangement of numbering as a result of comment for paragraph 38.	English	Singapore
	5 Ec	52 Pest Risk Management Options	Restructuring	English	Thailand
	5 Ed 3 ori	52 Pest Risk Management Options	Numbering rearranged	English	Malaysia
	5 Ed 3 ori	5- 2.Pest Risk Management Options	Numbering rearranged	English	Korea, Republic of
	5 Ed 3 ori	52. Pest Risk Management Options	Numbering rearranged	English	Viet Nam

C P Co o a mm m r ent m a. typ . n e n o o	Comment	Explanation	Language	Country
4. 3 sta ntiv e	ÃÆ'Įââ,¬â,¢ÃƒÆ'Ã,¢Ã¢ââ,¬Å¡Ã,¬Ã…Ã,Â;ÃÆ'ĉââ€ šÂ¬Ã¡ÃÆ'ââ,¬Å¡Ãƒâ€šÃ,Â The production methods of plants for planting may affect the pest risks of the growing media used. While some growing media may pose a low pest risk by nature of their	See US comment in paragraph 41. New chapeau moved from paragraph 45. Modification to original paragraph 42. Origin is an important factor (e.g. the depth/layer of the earth where the growing media is removed, natural vs. agricultural land). The pest risk posed may depend on the origin and components of the growing media, which may be mitigated by production methods, based on PRA. See US comments on paragraph 40. Modification to original paragraph 43, last sentence. The examples of treatment types are already indicated elsewhere in the standard.	English	United States of America
5. <mark>3</mark> sta	5. Pest Risk Management Options	Systems approaches are a crucial phytosanitary measure for growing media and should be addressed in this draft standard.	English	Canada

C P Co Comment o a mm m r ent m a.typ . n e n o o	Explanation	Language	Country
32 5 Edit 52.1 Treatments to prevent or limit the movement of pests with growing media 6. 4 oria	Rearrangement of numbering of this sub-section due to comment in paragraph 38.	English	Singapore
32 5 Edit 5.1 2.1 Treatments to prevent or limit the movement of pests with growing media 7. 4 oria	This section should be a sub section under Pest Risk Management Option	English	Thailand, Malaysia
32 5 Edit 5.4 2.1 Treatments to prevent or limit the movement of pests with growing media 8. 4 oria	This section should be a sub section under Pest Risk Management Option	English	Korea, Republic of
32 5 Edit 5.42 Treatments to prevent or limit the movement of pests with growing media 9. 4 oria	New sub-section 5.2 - Re-number to accommodate new sub-section 5.1.	English	Canada
33 5 Edit 52.1 Treatments to prevent or limit the movement of pests with growing media 0. 4 oria	This section should be a sub section under Pest Risk Management Option	English	Viet Nam
33 5 Sub 4.25.1 Treatments to prevent or limit the movement of pests with growing media 1. 4 sta ntiv e	See US comment from paragraph 41.	English	United States of America
33 5 Sub 5.1 Treatments to prevent or limit the movement of pests with growing media 2. 4 sta ntiv e 5.1 Prevention of colonization by the relevant pest The following measures may be used to prevent colonization by the relevant pest:	New sub-section 5.1 to incorporate information deleted from Annex 1b, table 2 as these measures are important to consider and better placed in the core text of the standard.	English	Canada

	Co	Comment	Explanation	Language	Country
m r	ent				
	typ e				
n o					
0.					
	Ì	• pest free area			
		• pest free place of production			
		• protected conditions			
		• prevention of transmission by wind			
		growth on benches separated from contact with soil			
33 5 3. 4		5.1 Treatments to prevent or limit the movement of pests with growing media	Treatment is defined in the ISPM 5 and to explain the aim of its application is redundant	English	Uruguay
	Tec hni cal	5.1 Treatments to prevent or limit the movement of pests with growing media	Treatment is defined in the ISPM 5 and to explain the aim of its application is redundant	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
33 5 5. 4		5.1 Treatments to prevent or limit the movement of pests with growing media	Treatment is defined in the ISPM 5 and to explain the aim of its application is redundant	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
33 5 6. 4	Tec hni cal	5.1 Treatments to manage or reduce the pest risks of prevent or limit the movement of pests with growing media	None of these treatments directly influence movement. They all manage the pest risks.	English	Australia
33 5	Edit oria	Treatments <u>mayean</u> be applied at various <u>stagespoints</u> in the production cycle of plants for planting to mitigate the risks associated with pests in the growing media. These treatments	Usual use of verb	English	EPPO, Algeria,

C P o a m r m a n o o	ont yp	Explanation	Language	Country
7. 5	may can be applied alone or in combination:			Morocco
33 <mark>5</mark> 8. 5	Treatments can be applied at various points in the production cycle of plants for planting to mitigate the risks associated with pests in the growing media. These treatments mayean be applied alone or in combination. For example:	For clarification	English	United States of America
33 <mark>5</mark> 9. 5	Treatments mayean be applied at various stagespoints in the production cycle of plants for planting to mitigate the risks associated with pests in the growing media. These treatments may can be applied alone or in combination:	Usual use of verb	English	European Union
0. 5	and the state of t	to be consistent with already define terms in ISPM 5 and already approved standards	English	Dominica
1. 5	Treatments can be applied at various points in the production cycle of plants for planting to mitigate the risks associated with <u>quarantine</u> pests in the growing media. These treatments can be applied alone or in combination:	Quarantine pests are the relevant pest associated with growing media	English	Uruguay
2. 5	Treatments can be applied at various points in the production cycle of plants for planting to mitigate the risks associated with <u>quarantine</u> pests in the growing media. These treatments can be applied alone or in combination:	Quarantine pests are the relevant pest associated with growing media	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
3. 5			English	Ecuador, OIRSA, Belize, Costa Rica

o m m	a mm	Comme	ent	Explanation	Language	Country
	5 Edit 6 oria		treatment of growing media before planting (see section 3) (steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization)	detail description moved from para 43.	English	Thailand
	5 Edit 6 oria		treatment of growing media before planting (see section 3) (steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization)	detail description	English	Malaysia
	5 Edit 6 oria		treatment of growing media before planting (see section 3) (steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization)	clarify	English	Korea, Republic of
	5 Sub 6 sta ntiv e	•	treatment of growing media before planting (see section 3), such as steam pasteurization, heat treatment, chemical treatment, fumigation or sterilization	Copied from Paragraph 43	English	United States of America
	5 Sub 6 sta ntiv e	•	treatment of growing media before planting (see section 3) treatment (e.g. filtration, sterilization) of water or water-based nutrient solution used for irrigation or as growing medium	Add a new bullet to capture information about treatment of water from deleted Annex 1b, Table 1 as this treatment would be important to consider and better placed in the core text of the standard.	English	Canada
	5 Sub 6 sta ntiv e	•	treatment of growing media before planting (see section 3 steam pasteurization, heat treatment, chemicaltreatment)	Detail description	English	Viet Nam

-	mm ent typ	:		Explanation	Language	Country
35 <u>5</u> 0. <u>6</u>			•	see [58]	English	EPPO, Norway, Algeria
35 5 1. 6				See [58].	English	European Union
	Sub sta ntiv e	beds intended for the production of plants for p	ex I of ISPM 36) fields or planting planting	It should referred to growing condition in annex 1 of ISPM 36 (1) growth chamber (2) greenhouse (3) screen house (4) field grown in containers (pots, tubs etc.) (5) field grown	English	Thailand
35 <mark>5</mark> 3. 8			r the production of plants for	Would be better located after paragraph [56] because in both cases plants are not treated.	English	EPPO, Norway, Algeria
35 <mark>5</mark> 4. 8		area area or planting board interlaced to	r the production of plants for	Would be better located after paragraph [56] because in both cases plants are not treated.	English	European Union
35 <mark>6</mark> 5. <i>0</i>			acines ou en secouant la plante.	Attention, le fait de secouer les plants ou de laver les racines ne veut pas dire que le milieu de culture est éliminé car il peut tomber ailleurs et contaminer !	Français	Mauritania
1 1	Tra nsl atio n	g or p	olant shaking.	There was long discussion on whether plant shaking was a treatment and the forum ask for clarification	English	Dominica

o a m r m a	P Co Comment a mm r ent a. typ n e o	Explanation	Language	Country
7. 1	6 Sub Verification of the effectiveness of a treatment after application stands and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important	importance. 2) Important additional information est populations	English	EPPO, Norway
35 6 8. 1	6 Sub It may be important to verify the effectiveness of a treatment a as temperature may affect the efficacy of certain pesticides. ntiv e	After application. Factors such after application of the efficay of the treatment should be done after application where possible. It should not be conveyed as optional.	English	Singapore
35 6 9. 1	6 Sub It may be important to verify the effectiveness of a treatment a sta as temperature may affect the results efficacy of treatments ee ntive e	the second sentence in the paragraph	English	United States of America
36 6	6 Sub Verification of the effectiveness of a treatment after application stands and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important to verify the effectiveness of a treatment after application and the important	plication Factors such as importance. 2) Important additional information	English	European Union
	Tra It may be important to verify the effectiveness of a treatment a as temperature may affect the efficacy of certain pesticides.	After application. Factors such The term effectiveness should be translated into spanish as "efectividad".	English	Uruguay
36 <i>6</i> 2. <i>1</i>	6 Tra It may be important to verify the effectiveness of a treatment a nsI as temperature may affect the efficacy of certain pesticides.	after application. Factors such The term effectiveness should be translated into spanish as "efectividad".	English	COSAVE, Paraguay, Chile, Argentina, Peru,

C P Co Comment o a mm	Explanation	Language	Country
m r ent m a. typ . n e n o o			
n n			Brazil
36 6 Tra It may be important to verify the effectiveness of a treatment after application. Factors such as temperature may affect the efficacy of certain pesticides.	The term effectiveness should be translated into spanish as "efectividad".	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
36 6 Edit Removal of the original growing media by root washing or plant shaking may be 4. 2 oria accompanied by a requirement for the plants to be replanted in fresh, pest free growing media shortly before export. The 62nd paragraph should be in the front of the 61st paragraph.	It's reasonable in logistic.	English	China
36 6 Sub Sta accompanied by a requirement for the plants to be replanted in fresh, pest free growing media shortly before export.	Comment: Even if this control option may be relevant, it does't cover the possible pests and diseases located inside/outside the plant material (for instance endoectoparasite nematodes such as Meloidogyne or Pratylenchus genera. However, this is a problem relating to the plants for planting and not to the growing media, so it doesn't seem relevant for this standard.	English	EPPO
36 6 Sub Removal of the original growing media by root washing or plant shaking may be 6. 2 sta ntiv e Removal of the original growing media by root washing or plant shaking may be accompanied by a requirement for the plants to be replanted in not previously used fresh, pest free growing media shortly before export.	A word "fresh" for growing media is difficult to determine. We may use a word "not previously used" same as footnote of table 1a.	English	Thailand
36 6 Sub Removal of the original growing media by root washing or plant shaking may be 7. 2 sta ntiv e Removal of the original growing media by root washing or plant shaking may be accompanied by a requirement for the plants to be replanted in fresh, pest free growing media shortly before export.	Comment: Even if this control option may be relevant, it doesn't cover the possible pests and diseases located inside/outside the plant material (for instance endoectoparasite nematodes such as Meloidogyne or Pratylenchus genera. However, this is a problem relating to the plants for planting and not to the growing media, so it doesn't seem relevant for this standard.	English	European Union
36 6 Sub Removal of the original growing media by root washing or plant shaking may be accompanied by a requirement for the plants to be replanted in fresh, pest free growing	Comment: Even if this control option may be relevant, it does't cover the possible pests and diseases located	English	Norway

o a m r m a	mm ent typ e	Comment	Explanation	Language	Country
8. 2	sta ntiv e	media shortly before export.	inside/outside the plant material (for instance endo- ectoparasite nematodes such as Meloidogyne or Pratylenchus genera. However, this is a problem relating to the plants for planting and not to the growing media, so it doesn't seem relevant for this standard.		
36 6 9. 2	hni	A requirement for rRemoval of the original growing media by root washing or plant shaking may be accompanied by an option requirement for the plants to be replanted in unused fresh, pest free growing media shortly before export.	1	English	EPPO, Norway, Algeria, Morocco
37 6 0. 2	Tec hni cal	A requirement for rRemoval of the original growing media by root washing or plant shaking may be accompanied by an option requirement for the plants to be replanted in unused fresh, pest free growing media shortly before export.	1) freedom from growing media is the requirement, it is then an option for the exporter to replant in fresh media. 2) To explain what is meant by "fresh" in this context (cf. [76]).	English	European Union
	Edit oria I	After treatment, appropriate measures should be taken to avoid recontamination.	removes assumption that there was contamination in the first place	English	EPPO
37 6 2. 3		After treatment, appropriate measures should be taken to avoid recontamination.	Removes assumption that there was contamination in the first place.	English	European Union
	Edit oria I	After treatment, appropriate measures should be taken to avoid further recontamination.	Better wording	English	Algeria
	Edit oria I	52.2 Inspection, sampling and testing	Rearrangement of numbering due to the comment in paragraph 38.	English	Singapore
37 6	Edit	5.2 2.2 Inspection, sampling and testing	Restructuring	English	Thailand

	Comment	Explanation	Language	Country
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m a. typ				
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0. .				
5. <mark>4</mark> oria				
37 6 Ed	it <mark>5.2-</mark> 2.2 Inspection, sampling and testing	This section should be a sub section under Pest Risk	English	Malaysia
6. <mark>4</mark> oria		Analysis		
37 6 Ed	it <mark>5.2</mark> 2.2 Inspection, sampling and testing	This section should be a sub section under Pest Risk	English	Korea, Republic of
7. 4 oria		Analysis	Liigiisii	Rolea, Republic of
		·		
07 0 5 1	1/2 00 beautiful and testing		 	
8. 4 oria	it 5.23 Inspection, sampling and testing	Renumbering sub-section due to new sub-section 5.1 insertion in paragraph 54.	English	Canada
0. 7 01	μ 	The state of the s		
	it <u>52</u> .2 Inspection, sampling and testing	This section should be a sub section under Pest Risk Analysis	English	Viet Nam
9. 4 oria	a	Allalysis		
1 1 1		See US comment from paragraph 41	English	United States of
0. 4 sta				America
e la	V			
38 <mark>6</mark> Ed	it Growing media associated with plants for planting may be inspected in the country of origin	Cf. ISPM 5.	English	EPPO
1. 5 oria	a or at the point of entry to the importing country to determine if pests are present or to determine compliance with phytosanitary import requirements. However, inspection is not a			
	reliable method for detecting most pests in soil.			
38 <mark>6</mark> Ed	it Growing media associated with plants for planting may be inspected in the country of origin	It's reasonable in logistic.	English	China
2. 5 oria	a or at the point of entry to the importing country to determine if pests are present or to		-	
	determine compliance with phytosanitary requirements. However, inspection is not a			

C P C o a m r er m a.ty . n e n o o	m nt p	Explanation	Language	Country
38 6 F	reliable method for detecting most pests in soil. The last sentence in the 65th paragraph is moved to the beginning of the 66th paragraph. dit Growing media associated with plants for planting may be inspected in the country of origin	Cf ISPM 5	English	European Union
	or at the point of entry to the importing country to determine if pests are present or to determine compliance with phytosanitary import requirements. However, inspection is not a reliable method for detecting most pests in soil.		Liigiisii	European Omon
	Growing media associated with plants for planting may be inspected in the country of origin or at the point of entry to the importing country to determine if pests are present or to determine compliance with phytosanitary import-requirements . However, inspection is not a reliable method for detecting most pests in soil.		English	Algeria
	However, inspection is not a reliable method for detecting most pests in soil	Under inspection context, it is not a common practice to inspect growing media at entry, what is carried out is sampling of the plants for planting and inspect for the detection of pests in growing media and plants for planting.	English	Uruguay
38 6 So 6. 5 st nt e	determine if pests are present or to determine compliance with phytosanitary requirements. However, inspection is not a reliable method for detecting most pests in soil.	Under inspection context, it is not a common practice to inspect growing media at entry, what is carried out is sampling of the plants for planting and inspect for the detection of pests in growing media and plants for planting.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	However, inspection is not a reliable method for detecting most pests in soil	Under inspection context, it is not a common practice to inspect growing media at entry, what is carried out is sampling of the plants for planting and inspect for the detection of pests in growing media and plants for planting.	English	Ecuador, OIRSA, Belize, Costa Rica
	Growing media associated with plants for planting may be inspected in the country of origin or at the point of entry to the importing country to determine if pests are present or to determine compliance with phytosanitary requirements. However, inspection is not a reliable method for detecting most pests in soil.growing media	It's consistent with before.	English	China

	Co		Explanation	Language	Country
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	typ e				
n o					
0.					
	е				
38 6		Growing media associated with plants for planting may be inspected in the country of origin	ISPM 23 should be referred.	English	Thailand
9. 5		or at the point of entry to the importing country to determine if pests are present or to determine compliance with phytosanitary requirements (cf. ISPM 23:2005). However, inspection is not a reliable method for detecting most pests in soil.			
		Growing media associated with plants for planting should may may need to be inspected in the country of origin or at the point of entry to the importing country to determine if pests	"may" alone does not seem to reflect clearly on the need for an inspection or not. Inspection is inspection	English	EPPO, Algeria,
0. 5		are present or to determine compliance with phytosanitary import requirements. However,	wherever it is done. 2) less negative wording.		Morocco
		inspection is not a reliable method for detecting most pests in soil. However, most pests in soil cannot be detected by inspection.			
		Growing media associated with plants for planting may be inspected in the country of origin or at the point of entry to the importing country to determine if pests are present or to	This is referred to to all growing media and not only soil	English	Uruguay
.		determine compliance with phytosanitary requirements. However, inspection is not a			
	<u> </u>	reliable method for detecting most pests in seil growing medium.			
39 6		Growing media associated with plants for planting may be inspected in the country of origin or at the point of entry to the importing country to determine if pests are present or to	This is referred to to all growing media and not only soil	English	COSAVE, Paraguay, Chile,
	cal	determine compliance with phytosanitary requirements. However, inspection is not a reliable method for detecting most pests in soil growing medium.			Argentina, Peru,
		reliable method for detecting most pests in som growing mediam.			Brazil
		Growing media associated with plants for planting may be inspected in the country of origin	This is referred to to all growing media and not only soil	English	Ecuador, Mexico,
3. 5	hni cal	or at the point of entry to the importing country to determine if pests are present or to determine compliance with phytosanitary requirements. However, inspection is not a			OIRSA, Belize, Costa Rica
	Cai	reliable method for detecting most pests in soil growing medium.			Oosia Nica
39 6		Growing media associated with plants for planting may be inspected in the country of origin or at the point of entry to the importing country to determine if pests are present or to	While "inspection" is defined in ISPM5 as being visual, there is benefit in reinforcing that point here which will	English	Australia
4.	cal	determine compliance with phytosanitary requirements. However,	then also lead into para 66 more logically. Common use of		
		inspection based solely on visual means is not a reliable method for detecting most pests in soil.	the term "inspection" includes other techniques, including sampling and microscopy that may detect many of the		
			potential pests (as discussed in Para 66).		

C P Co o a mm m r ent m a. typ . n e n o o		Explanation	Language	Country
	Growing media associated with plants for planting may may need to be inspected in the country of origin or at the point of entry to the importing country to determine if pests are present or to determine compliance with phytosanitary import requirements. However, inspection is not a reliable method for detecting most pests in soil. However, most pests in soil cannot be detected by inspection.	"may" alone does not seem to reflect clearly on the need for an inspection or not. Inspection is inspection wherever it is done. 2) less negative wording.	English	European Union
	Therefore, the NPPO of the importing country may require sampling and testing of the growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008). This may include testing for indicator organisms. However, even sampling and testing may not be a fully reliable detection method for many pests, and in particular, for detecting low-level contamination of growing media. The last sentence in the 68th paragraph is moved to the beginning of the 68th paragraph.	It's reasonable in logistic.	English	China
39 6 Edit 7. 6 oria	Therefore, the NPPO of the importing country may require sampling and testing of the growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008). This may include testing for indicator organisms that can provide an indication if the growing media has been treated (eg total bacterial or fungal numbers). However, even sampling and testing may not be a fully reliable detection method for many pests, and in particular, for detecting low-level contamination of growing media.	Indicator organisms needs further explanation.	English	Australia
	Therefore, the NPPO of the importing country may require sampling and testing of the growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008).	Last sentence, as it is written, suggests the idea of zero risk, and is not compatible with the principle of managed risk.	English	Uruguay
	Therefore, the NPPO of the importing country may require sampling and testing of the growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008). This may include testing for indicator organisms. However, even sampling and testing may not be a fully reliable detection method for many pests, and in particular, for detecting low-level contamination of growing media.	Last sentence, as it is written, suggests the idea of zero risk, and is not compatible with the principle of managed risk.	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil

C P Co	Comment	Explanation	Language	Country
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0.				
40 6 Sub	Therefore, the NPPO of the importing country may require sampling and testing of the	Last sentence, as it is written, suggests the idea of zero	English	Ecuador, Mexico,
0. <mark>6</mark> sta	growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008).	risk, and is not compatible with the principle of managed		OIRSA, Belize,
ntiv		risk.		Costa Rica
e	not be a fully reliable detection method for many pests, and in particular, for detecting low- level contamination of growing media.			
	iovor contamination or growing modia.			
40 6 Sub	Therefore, the NPPO of the importing country may require sampling and testing of the	The different understandings of indicator organisms will	English	China
		affect implementation of the standard.		
ntiv	This may include testing for indicator organisms. However, even sampling and testing may			
e	not be a fully reliable detection method for many pests, and in particular, for detecting low-level contamination of growing media.			
	level contamination of growing media.			
	the explanation or definition of "indicator organisms".			
40 6 Sub	Therefore, the NPPO of the importing country may require sampling and testing of the		English	United States of
2. 6 sta	growing media accompanying plants for planting (cf. ISPMÂÃ, 20:2004 and	should be very specific. In addition, NPPOs should		America
ntiv	ISPMÃ <i>f</i> 'Ã, 31:2008). This may include testing for indicator organisms. However, even sampling and testing may not be a fully reliable detection method for many pests, and in	identify quarantine pests to trading partners.		
e	particular, for detecting low-level contamination of growing media.			
40 <mark>6</mark> Sub	The places of production and process/treatment procedures of growing media may be	This sentence has replaced the previous one to elaborate	English	Canada
3. 6 sta	inspected, monitored, and approved by the NPPO of exporting country to ensure that	on mitigation measures that can be implemented at origin.	•	
ntiv	phytosanitary import requirements are met in order to prevent contamination.			
e	Therefore Take NDDO of the imposition country was a series as a line and to the			
	Therefore, The NPPO of the importing country may require sampling and testing of the growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008).			
	This may include testing for indicator organisms. However, even sampling and testing may			
	not be a fully reliable detection method for many pests, and in particular, for detecting low-			
	level contamination of growing media.			
40 6 Tec	Therefore, the NPPO of the importing country may require sampling and testing of the growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008).	rewriting for clarification of what "indicators" are.	English	EPPO, Norway,
4. 6 hni	This may include testing for indicator			Algeria
	organisms. However, even sampling and testing may be not be a fully reliable detection m			
	ethod for many pests, and, in particular, for the detection of low-			

o m m	a m	nm ent yp	level infestation of growing media. Therefore, testing may include testing for indicator organ	Explanation	Language	Country
			isms (easily detectable organsms whose presence indicates that required measures failed to be effective and that the growing medium may contain regulated pests). However, even sampling and testing may not be a fully reliable detection method for many pests, and in particular, for detecting low-level contamination of growing media.			
	6 h	nni cal	Therefore, the NPPO of the importing country may require sampling and testing of the growing media accompanying plants for planting (cf. ISPM 20:2004 and ISPM 31:2008). This may include testing for indicator organisms. However, even sampling and testing may be not be a fully reliable detection method for many pests, and, in particular, for the detection of low-level infestation of growing media. Therefore, testing may include testing for indicator organisms (easily detectable organsms whose presence indicates that required measures failed to be effective and that the growing medium may contain regulated pests). However, even sampling and testing may not be a fully reliable detection method for many pests, and in particular, for detecting low-level contamination of growing media.	Rewriting for clarification of what "indicators" are.	English	European Union
	6 E 7 o			Rearrangement of numbering due to the comment in paragraph 38.	English	Singapore
	6 E 7 o		5.3 2.3 Post-entry quarantine	Restructuring	English	Thailand
	6 E 7 o			This section should be a sub section under Pest Risk Analysis	English	Malaysia
	6 E 7 o			This section should be a sub section under Pest Risk Analysis	English	Korea, Republic of

C P Co o a mr m r en m a.tyr . n e n o	t en	Explanation	Language	Country
o. .	it 5.34 Post-entry quarantine	Renumbering sub-section due to new sub-section 5.1 insertion in paragraph 54.	English	Canada
41 6 Ed 1. 7 ori	t 5.3 Post-entry quarantine	Annex changed to Appendix.	English	Nepal
41 6 Ed 2. 7 ori	t <mark>52</mark> .3 Post-entry quarantine	This section should be a sub section under Pest Risk Analysis	English	Viet Nam
41 6 Su 3. 7 sta nti		This section is not relevant to soil and growing media and applies to viruses and diseases in plants (indexing). Propose deletion of this section.	English	United States of America
41 6 Su 4. 8 sta nti		This section is not relevant to soil and growing media and applies to viruses and diseases in plants (indexing). Propose deletion of this section.	English	United States of America
41 6 Te 5. 8 hn cal	The NPPO of the importing country may require post-entry quarantine (PEQ) for plants for planting associated with growing media to verify compliance or to apply phytosanitary measures before the release of the consignment. ISPMÃ, 34:2010 provides guidance for the design and operation of PEQ stations.	pest risk management option with growing media	English	Uruguay
41 6 Te 6. 8 hn cal	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	For consistency with other paragraphs which relate the pest risk management option with growing media	English	COSAVE, Paraguay, Chile, Argentina, Peru,

o m m	m r er a. ty n e	mm ent typ	Explanation	Language	Country
			content of this paragraph		Brazil
41 7.	8 hr	(PEQ) for plants for planting associated with growing media to verify compliance or to apply phytosanitary measures before the release of the consignment. ISPMÄ, 34:2010 provides guidance for the design and operation of PEQ stations.	pest risk management option with growing media	English	Ecuador, OIRSA, Belize, Costa Rica
			The word 'trust' has connotations that are not appropriate in an ISPM.	English	Australia
41 9.	9 st	ntiv interceptions), PEQ may be an option for monitoring or regaining trust in the reliability of measures taken in the exporting country.	Under this section pest risk management options are being described, PEQ is an option as mentioned in paragraph 68. Text was deleted because refers to measures to be taken in case of non compliance, which do not correspond to include here	English	Uruguay
42 0.	9 st	ntiv interceptions), PEQ may be an option for monitoring or regaining trust in the reliability of measures taken in the exporting country.	Under this section pest risk management options are being described, PEQ is an option as mentioned in paragraph 68. Text was deleted because refers to measures to be taken in case of non compliance, which do not correspond to include here	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
42 1.	9 st	ntiv interceptions), PEQ may be an option for monitoring or regaining trust in the reliability of measures taken in the exporting country.	Under this section pest risk management options are being described, PEQ is an option as mentioned in paragraph 68. Text was deleted because refers to measures to be taken in case of non compliance, which do not correspond to include here	English	Ecuador, OIRSA, Belize, Costa Rica
42 2.	9 st		This section is not relevant to soil and growing media and applies to viruses and diseases in plants (indexing). Propose deletion of this section.	English	United States of America

C P Co Comment o a mm m r ent m a. typ . n e n o o	Explanation	Language	Country
42 7 Edit 52.4 Prohibition 3. 0 oria	rearrangement of numbering due to the comments in paragrap 38.	English	Singapore
42 7 Edit 5.4 2.4 Prohibition 4. 0 oria	Restructuring	English	Thailand
42 7 Edit 5.4 2.4 Prohibition 5. 0 oria	This section should be a sub section under Pest Risk Management Option	English	Malaysia
42 7 Edit 5.4 2.4 Prohibition 6. 0 oria	This section should be a sub section under Pest Risk Management Option	English	Korea, Republic of
42 7 Edit 5.45 Prohibition 7. 0 oria	Renumbered due to new sub-section 5.1 insertion in paragraph 54.	English	Canada
42 7 Edit 52.4 Prohibition 8. 0 oria	This section should be a sub section under Pest Risk Management Option	English	Viet Nam
42 7 Sub 4.55.4 Prohibition 9. 0 sta ntiv e	See US comment on paragraph 41	English	United States of America

o a m r m a . r n o	ent ent typ e		Explanation	Language	
0.	oria I	some growing media (in particular soil), in combination with certain plants for planting, the measures outlined in this standard are not applicable or feasible, or the measures y cannot provide sufficient protection, the entry of the consignments of plants for planting associated with containing those particular growing media may be prohibited.	Rewording for better English and consistency with previous wording	English	EPPO, Algeria
1.	Fdit oria	In cases where for some growing media (in particular soil), in combination with certain plants for planting, the measures outlined in this standard are not applicable or feasible, or they cannot provide sufficient protection, the entry of the consignment of plants for planting containing those the risks associated with growing media cannot be managed to a sufficient level, then particular growing media may be prohibited.	clearer statement of issue being addressed	English	Australia
43 2.		In cases where the measures outlined in this standard are not applicable or feasible for some growing media (in particular soil), in combination with certain plants for planting, the measures outlined in this standard are not applicable or feasible, or the measures y cannot provide sufficient protection, the entry of the consignments of plants for planting associated with centaining those particular growing media may be prohibited.	Rewording for better English and consistency with previous wording.	English	European Union
3.	Sub sta ntiv e	In cases where for some growing media (in particular soil), in combination with certain plants for planting, the measures outlined in this standard are not applicable or feasible, or they cannot provide sufficient phytosanitary protection, or have not been implemented by the NPPO of the exporting country, the entry of the consignment of plants for planting containing those particular growing media may be prohibited by the NPPO of the importing country.	To introduce the concept of non-compliance into the standard (was in original EWG draft, but later removed). ***STFO and PM comments differ***	English	United States of America
		In cases where for some growing media (in particular soil), in combination with certain plants for planting, the measures outlined in this standard are not applicable or feasible, or they cannot provide sufficient <a href="https://pxp.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.nc</td><td>to be more specific</td><td>English</td><td>EPPO, Norway,
Algeria</td></tr><tr><td>43 7
5.</td><td>Tec
hni
cal</td><td>In cases where for some growing media (in particular soil), in combination with certain plants for planting, the measures outlined in this standard are not applicable or feasible, or they cannot provide sufficient <a href=" https:="" pxp.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.ncbi.nlm.nc<="" td=""><td>To be more specific.</td><td>English</td><td>European Union</td>	To be more specific.	English	European Union

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43 <mark>7</mark> Ed	This annex_appendix_was adopted by the Commission on Phytosanitary Measures in	Annex changed into appendix	English	Thailand, Malaysia
6. 2 oria	· · · · · · · · · · · · · · · · · · ·			
43 <mark>7</mark> Ed		Annex changed to Appendix.	English	Nepal
7. 2 oria				
43 <mark>7</mark> Su	This annex appendix was adopted by the Commission on Phytosanitary Measures in	As the content of this document does not comprise of any	 English	Singapore
8. 2 sta		requirements, it should be an appendix instead.	Lingiisii	Olligapore
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	This annexappendix was adopted by the Commission on Phytosanitary Measures in [Month	Annex changed into appendix	English	Viet Nam
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44 7 To	This annexappendix was adopted by the Commission on Phytosanitary Measures in [Month]	Annoy changed into annoydiy	English	Korea, Republic of
0. 2 hni		Annex changed into appendix	Liigiisii	Rolea, Republic of
cal				
44 <mark>7</mark> Ed	The annex_appendix is a prescriptive part of the standard.	Annex changed into appendix	English	Thailand, Malaysia
1. 3 oria				
44 7 Ed		Annex changed into appendix	English	Korea, Republic of
2. 3 oria				
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C P Co o a mm m r ent m a.typ . n e n o o	Comment	Explanation	Language	Country
44 7 Edit 3. 3 oria	The annex is a prescriptive part of the standard.	Annex changed to Appendix.	English	Nepal
44 7 Edit 4. 3 oria	The annexappendix is a prescriptive part of the standard.	Annex changed into appendix	English	Viet Nam
44 7 Sub 5. 3 sta ntiv e	The annex is a prescriptive part of the standard.	To change this "annex" into an "appendix" & hence there is no need for this sentence. There are no specific requirements required of an "annex" in this document and hence it should be an appendix instead.	English	Singapore
44 7 Edit 6. 4 oria	ANNEX 1 a : Pest risks of various constituents of growing media	Renumber the annex to account for deletion of Annex 1b under para. 77	English	Canada
7. 4 sta ntiv e	ANNEX 1a: Pest risks of various constituents of growing media See explanation	6 pest risk categories are described, which does not provide clear guidance in relation to pest risks of consituents of growing media. Moreover it is not clear the distinction amongst them (e.g differences between variable low and low-medium), that may cause confusion to NPPO because there is no a clear indication for each category. Categories should be better described and be associated with the corresponding comments (e.g. low pest risk when level of processing is high and high pest risk when level of processing is low, etc)	English	Uruguay
8. <mark>4</mark> sta	ANNEX 1a: Pest risks of various constituents of growing media See explanation	6 pest risk categories are described, which does not provide clear guidance in relation to pest risks of consituents of growing media. Moreover it is not clear the distinction amongst them (e.g differences between variable low and low-medium), that may cause confusion	English	COSAVE, Paraguay, Chile, Argentina, Peru,

o m	P Co a mr r en	t	Explanation	Language	Country
	n e o				
	е		to NPPO because there is no a clear indication for each category. Categories should be better described and be associated with the corresponding comments (e.g. low pest risk when level of processing is high and high pest risk when level of processing is low, etc)		Brazil
	7 Su 4 sta ntiv e		This table serves a good purpose to present the risk evaluation for adoption but there should be assurance that the risk levels had been technically assessed provided in the standard. Without supporting information, the table should be changed to an appendix or removed entirely.	English	Singapore
	7 Su 4 sta ntiv		This Annex should be made into Appendix	English	Thailand, Malaysia
	4 sta	ANNEX 1a: Pest risks of various constituents of growing media Note: The table outlines the pest risk for growing media not previously used for planting and which have been handled and stored in a way that prevents contamination	This statement is too important to be left as a footnote, it should be a note under the title. Text mostly from para 76	English	Australia
	7 Su 4 sta ntiv e		This Annex should be made into Appendix	English	Korea, Republic of
45 3.	7 Su 4 sta ntiv e	b ANNEX 1a: Relative, phytosanitary Pest risks of various components constituents of growing media A,Â There is a range of pest risk associated with the type of growing media in association with plants for planting, as broadly ranked below from lowest to highest pest risk (recognizing	More appropriate wording Global change to component. Suggest adding examples of treatments for each type of growing media. See US general comment. To match wording in Annex 1 of ISPM 36. This table would not be necessary if the standard would merely recommend that all media be heat treated or fumigated prior to use. But if the standard is kept as presented, the title should clarify	English	United States of America

o a m r m a	mm ent a. typ n e	Comment	Explanation	Language	Country
		that these rankings may vary depending on specific circumstances):	that it refers to risk PRIOR to planting plants in the media (as it is stated in page 4 of the text).		
	7 Sub 4 sta ntiv e	ANNEX APPENDIX 1a: Pest risks of various constituents of growing media	This is the regional comment made by the 14th APPPC Regional Workshop on Review of draft ISPMs.	English	Japan
	7 Sub 4 sta ntiv e	ANNEX 1a: Relative Ppest risks of various constituents of growing media	New wording required as risk levels are relative rather than absolute.	English	Canada
	7 Sub 4 sta ntiv e	ANNEX 1a: Pest risks of various constituents of growing media	The Annex should be made into Appendix.	English	Nepal
	7 Sub 4 sta ntiv e	ANNEX APPENDIX 1a: Pest risks of various constituents of growing media	This Annex should be made into Appendix	English	Viet Nam
	<mark>4</mark> hni	ANNEX 1a: Pest risks of various constituents of growing media This table refers to growing media not previously used for planting and which have been handled and stored in a way that prevents contamination.	Addition for clarity	English	EPPO, Norway, Algeria
	7 Tec 4 hni cal	APPENDIX ANNEX 1a: Pest risks of various constituents of growing media	Information contained in this annex is only reference information.	English	Uruguay

o m m	a m r e a.ty n e	nm ent yp	Comment				Explanation		Language	Country
	<mark>4</mark> h		APPENDIX <mark>ANNEX-</mark> 1a: Pest risks of v	arious constitu	ents of growi	ng media	Information comation.	ontained in this annex is only reference infor	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	<mark>4</mark> h	nni	ANNEX 1a: Pest risks of various cor	_	_		provide clear consituents of distinction am variable low a to NPPO becategory. Cat associated wipest risk wher	tegories are described, which does not guidance in relation to pest risks of f growing media. Moreover it is not clear the longst them (e.g differences between and low-medium), that may cause confusion ause there is no a clear indication for each egories should be better described and be the corresponding comments (e.g. low in level of processing is high and high pest el of processing is low, etc)	English	Ecuador, OIRSA, Belize, Costa Rica
	<mark>4</mark> h	nni al	ANNEX 1a: Pest risks of various cor This table refers to growing media not handled and stored in a way that prevented.	oreviously used f	or planting and		Addition for cl		English	European Union
	7 E 5 o		Constituents of growing media	Pest risk ¹	Support pest survival	Comments	surely native	earthworms can vector pests	English	Australia
			Baked clay pellets	Low	No	Inert				
			Pure clay	Low	No	n/a				
			Gravel, sand, silt	Low	No	Inert				
			Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot a nematodes can surv wool)				

P Co a mm r ent a. typ n e o	Comment				Explanation			Country
	Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				
	Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lev processing (e.g. red nematode has been husks of fallen nuts)	ring found in the			
	Paper	Low	Yes	High level of proces	sing			
	Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces probability of pest su processing	the			
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or other sterilized before use				
	Water	Low	Yes	Risk depends on so treatment	irce or			
	Wood chips	Medium	Yes	Risk depends on pa and level of process				
	Cork	Variable low	Yes	Risk depends on lever processing	el of			
	Peat	Variable low	Yes	Peat is a natural hal nematodes, mostly l fungal eaters; risk is the origin has had n exposure (e.g. certif	acterial and lower where agricultural			
	Sphagnum moss	Variable high	Yes	Risk depends on lever processing	el of			
	Other plant material (e.g. rice	Variable high	Yes	Risk is reduced if tre	ated or from			

		Comment						Explanation			Language	Country
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o.												
								i				
		hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)			•	a clean r	non-infested	source				
		Bark	High	Yes		(potentia	ree of proce	forest pests)				
		Bio waste	High	Yes	;		ources relat	from plant or ed to human				
		Compost	High	Yes	a i	approve	uced if prod d process; ri al is from an	sk increased				
		Humus	High	Yes		Decomp	osed plant r	natter				
		Soil	High	Yes	I	Risk can	be reduced	if treated				
		Tree fern slabs	High	Yes		Potentia	l to harbour	forest pests				
		Vermicompost (vermicast plus earthworms)	High	Yes			on-native ea vectors of pe					
	7 Edit 5 oria I	Composants de milieux de culture	Risque phytosanitaire	1	Favorise survie d l'organis nuisible	le sme	Observatio	s/o: écrire en t • ns	toutes lettr	es	Français	Gabon, Congo, DR*
		Billes d'argile cuites	Faible		Non		Inerte					
		Argile pure	Faible		Non		s/o					
		Gravier, sable, limon	Faible		Non		Inerte					
		Milieu synthétique (par exemple, laine de verre, laine minérale, polystyrène, mousse florale, particules de plastique,	Faible		Non		des racines	les nématode et les némato ent survivre da	des à			

P Co a mm r ent a typ n e o					Explanation	Languag	e Country
	polyéthylène, amidon stabilisé polymère, polyuréthane, polymères hydrorétenteurs)			laine minéra	ale)		
	Vermiculite, perlite, roche volcanique, zéolite, scories	Faible	Non	Inerte			
	Fibre de coco (tourbe de coco/coir)	Variable faible	Oui	transformati nématodes maladie de l retrouvés da	epend du degré de on (par exemple, des responsables de la l'anneau rouge ont été ans l'enveloppe noix tombées)		
	Papier	Faible	Oui	Degré de tra	ansformation élevé		
	Sciure, planure de bois (fibre de bois)	Faible–moyen	Oui	de transform probabilité	particules et le degré nation font baisser la le survie des nuisibles après on		
	Milieu de culture tissulaire (de type agar)	Faible	Oui	Stérilisé, not avant utilisa	tamment autoclavé, tion		
	Eau	Faible	Oui	Le risque es ou du traiter	st fonction de la source ment		
	Copeaux de bois	Moyen	Oui		st fonction de la taille es et du degré de on		
	Liège	Variable faible	Oui	Le risque es transformati	st fonction du degré de on		
	Tourbe	Variable faible	Oui	La tourbe es	st un habitat naturel		

o a m r m a	mm ent typ e	Comment			Explanation		Language	Country	
					principalem champigno faible lorsq exposée à	des, qui se nourrissent ent de bactéries et de hs; le risque est plus µe l'origine n'a pas été 'agriculture (par urbières certifiées)			
		Sphaigne	Variable élevé	Oui	Le risque e transformat	st fonction du degré de ion			
		Autre matériel végétal (par exemple, balles de riz/paillette, balles de céréales, parches, résidus de canne à sucre, marc de raisin, cabosses)	Variable élevé	Oui	substrat es	st moins élevé si le traité ou s'il provient e saine non infestée			
		Écorce	Élevé	Oui	(potentiel d	st fonction de la source abriter des ravageurs t du degré de ion ou de fermentation			
		Déchets biologiques	Élevé	Oui		rigine végétale ou 1 transformés liés à des maines			
		Compost	Élevé	Oui	compost es	st moins élevé si le t produit selon un approuvé; il est accru si nce n'est pas connue			
		Humus	Élevé	Oui	Matière vég	étale décomposée			
		Terre	Élevé	Oui	Le risque p traitement	eut être réduit avec un			
		Plaques de fougère arborescente	Élevé	Oui	Abri potent forestiers	el de ravageurs			
		Vermicompost (fumier de vers de terre et vers de terre)	Élevé	Oui	autochtone	rs de terre non s peuvent être vecteurs es nuisibles			

P Co a mm r ent a. typ n e	Comment				Explanation	Language	Country
7 Sub 5 sta ntiv	Constituents of growing media Pest risk ¹ pest				The lines should be reorganized by pest risk. The lines should be reorganized by pest risk. The lines was deemed to imprecise in this context, a extra grades of risk, "none" and "negligible" were for clarity, keeping in mind that this this table ref	and two e added	EPPO
e	Baked clay pellets	none Low	No		growing media not previously used for planting a	and which	
	Pure clay, gravel and sand	negligible Low	No	n/a	have been handled and stored in a way that pre contamination.	vents	
	Gravel, sand, silt	Low	No	Inert			
	Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	none <mark>Low</mark>	No	Inert (but root knot ar nematodes can survi wool)			
	Vermiculite, perlite, volcanic rock, zeolite, scoria	none <mark>Low</mark>	No	Inert			
	Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing		
	Paper	Low	Yes	High level of process	ing		
	Sawdust, wood shavings (excelsior)	Low–Medium	Yes	Size of particles and processing reduces t probability of pest su processing	he		
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise		

Comment m nt p			Ex	xplanation	Language	Country
Water	Low	Yes	Risk depends on source treatment	e or		
Wood chips	Medium	Yes	Risk depends on particl and level of processing			
Cork	Variable low	Yes	Risk depends on level of processing	of		
Peat	Variable low	Yes	Peat is a natural hab tar nematodes, mostly bac fungal eaters; risk is the origin has had no exposure (e.g. certified	cterial and wer where gricultural		
Sphagnum moss	Variable high	Yes	Risk depends on level or processing	of		
Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if treate a clean non-infested so			
Bark	High	Yes	Risk depends on source (potential to harbour for pests) and degree of pr or fermentation	rest		
Bio waste	High	Yes	Unprocessed waste ro animal sources related activities	m plant or to human		
Compost	High	Yes	Risk reduced if produce approved process; risk if material is from an un source	increased		
Humus	High	Yes	Decomposed plant mat	tter		
Soil	High	Yes	Risk can be reduced if t	treated		

	mm ent typ e	Comment				Explanation		Language	Country
		Tree fern slabs	High	Yes	Potential to harbour	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear				
46 7 6. 5	ntiv	Constituents of growing media	Pest risk ⁴	Support pest survival	Comments	assessed by t	cond column, the level of pest risk should be the experts of each countries. The standard licate the likelihood.	English	Thailand
	e	Baked clay pellets	Low	No	Inert				
		Pure clay	Low	No	n/a				
		Gravel, sand, silt	Low	No	Inert				
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot a nematodes can surv wool)				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				
		Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lev processing (e.g. red nematode has been husks of fallen nuts)	ring found in the			
		Paper	Low	Yes	High level of proces	ing			
		Sawdust, wood shavings (excelsior)	Low Medium	Yes	Size of particles and processing reduces probability of pest su processing	the			

Co mm ent typ e	Comment				Explanation	Language	Country
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or others sterilized before use			
	Water	Low	Yes	Risk depends on so treatment	irce or		
	Wood chips	Medium	Yes	Risk depends on pa and level of process	ticle size ng		
	Cork	Variable low	Yes	Risk depends on lev processing	el of		
	Peat	Variable low	Yes	Peat is a natural had nematodes, mostly be fungal eaters; risk is the origin has had ne exposure (e.g. certif	acterial and lower where agricultural		
	Sphagnum moss	Variable high	Yes	Risk depends on lev processing	el of		
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if tre a clean non-infested			
	Bark	High	Yes	Risk depends on so (potential to harbour and degree of proce fermentation	forest pests)		
	Bio waste	High	Yes	Unprocessed waste animal sources relat activities			
	Compost	High	Yes	Risk reduced if prod approved process; r if material is from an source	sk increased		

o a m r m a	mm ent typ e	Comment						Explanation		Language	Country
		Humus		High		Yes	Decomposed plant r	natter			
		Soil		High		Yes	Risk can be reduced	if treated			
		Tree fern s	slabs	High		Yes	Potential to harbour	forest pests			
		Vermicom earthworm	post (vermicast plus ns)	High		Yes	Some non-native ea may be vectors of pe				
46 7 7. 5	Sub sta ntiv e	ents of	Pest risk Probability of pest b	Sup port pest survi val	Comments	1		this is a preso explantion ne ratings were r example com	ents of risk will be contentious. Given that riptive part of the ISPM much more eds to be provided about how the risk eached and the assumptions used. Specific ments: Gravel, sand, silt: these are only inertisk if pure and mostly they are not 100%	English	Australia
		Baked clay pellets	Low	No_L ow	Inert			clean. Gravel silt is really a column seem	is the easiest to clean due to structure and type of soil. Pest risk column heading: s to be about the probability of pests being		
		Pure clay		No L ow	n/a			harm) as used	edia not about risk (probability/potential for in the IPPC. Risk column - The risk for re variable due to differences in processing,		
		Gravel, sand, silt	1 ()\//	No L ow	Inert only if	cleaned		origin or treati variable is coi	ment; indicating high or low when the risk is fusing. For example with variable high, is		
		Syntheti c media (e.g. glass		the risk high before or after processing? Or is it low after processing? It is not clear. sawdust - Processing of wood may reduce the pest risk of some timber pests, but it can also change the pest risk as it allows for the establishment a different ecosystem with a different set of fauna. For example, shaving/chipping increases the surface area available for fungi to sporalate and increased humidity allowing infestion/survival of other pests. In addition, pathogenic fungi and nematodes can remain in sawdust after production. entries 1-5: Many organisms would be capable of surving on/in these materials. They are not necessarily inert – indeed many of these substances provide protected surfaces/structures that will promote							

C P C o a m r ei m a. ty . n e n o o	nt				Explanation	Language	Country
	polyethylene, polymer stabilize d starch, polyuret hane, water absorbin g polymers) Vermicul ite, perlite, volcanic rock,	Low	No_L ow		survival of organisms. Water: water is often contaminated with pests depending on its source and treatment woodchip - Processing of wood may reduce the pest risk of some timber pests, but it can alsochange the pest risk as it allows for the establishment a different ecosystem with a different set of fauna. For example, shaving/chipping increases the surface area available for fungi to sporalate and increased humidity allowing infestion/survival of other pests. Peat - Given the way the material is produced and harvested weed seeds are common. Should also define peat, ie sphagnum or sedge derived as different pest risk profiles for each commodity. tolerances for an non peat material should also be included as some commercial products may include soil scalpings depending on how the peat was harvested. Sphagnum moss - should specify whether the moss is living or dead, as living moss routinuing includes weed seeds and other biological risk material. Should there be a		
	coconut fibres (coir/coc o peat)	Variable low	Yes	Risk depends on level of processing (e.g. red nematode has been found in the husks of falle	requirement for the sphagnum moss to be sterilised to ensure freedom of biologicval risk material. Sphagnum moss: Given the way the material is produced and harvested weed seeds are common Tree fern slabs: Many broad host range pests (not just forest) could be present depending on the production area etc Bio waste: risk	/	
	Paper	Low	Yes	High level of processing	would be highly variable depending on source		
	Sawdust , wood	Low Medium variable	Yes	Size of particles and level of processing may probability of pest survival after processing, however wood shavings can charment to promote pest infestation			
	Tissue culture medium	Low	Yes	Autoclaved or otherwise sterilized before use			

P Co a mm r ent n a.typ n e o	Comment				Explanation	Language	Country
	(agar- like)						
	Water	<u>Variable</u> Low	Yes	Risk depends on source or treatment			
	Wood chips	<u>Variable</u> Medium	Yes	Risk depends on particle size and level of proof particles and the level of processing may reprobability of pest survival, however wood child change the environment to promote pest infest	duce the pping can		
	Cork	Variable low	Yes	Risk depends on level of processing			
	Peat	Variable low	Yes	Peat is a natural habitat for nematodes, mostly and fungal eaters; risk is lower where the origino agricultural exposure (e.g. certified bogs). Weed seeds common.			
	Sphagnu m moss	Variable high	Yes	Risk depends on level of processing , with weed seeds common			
	Other plant material (e.g. rice hulls/cha ff, grain hulls, coffee hulls, sugarca ne refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if treated or from a clean non-source	infested		

C P Coo a m r er m a. ty . n e n o o	nt				Explanation	Language	Country
	Bark	High	Yes	Risk depends on source (potential to harbour and degree of processing or fermentation	forest pests)		
	Bio waste	High	Yes	Unprocessed waste from plant or animal sour to human activities	pes related		
	Compost	High	Yes	Risk reduced if produced by an approved prodincreased if material is from an unknown sour	ess; risk ce		
	Humus	High	Yes	Decomposed plant matter			
	Soil	High	Yes	Risk can be reduced if treated			
	Tree fern slabs	High	Yes	Potential to harbour forest pests			
	Vermico mpost (vermica st plus earthwor ms)	High	Yes	Some non-native earthworms may be vectors	of pests		

۲ ر	Co	Comment			Explanation	Language	Country
a	mm						
ı İr	ent						
	.typ						
n	e						
1 0	'						
). .							
6 7	Sub				Suggest changing the column header "Pest risk" to	English	United States of
- 1	sta				"Relative phytosanitary risk". Suggest adding footnote to		America
.	1 . 1	New Appendix 1	Table Growing media	Comments	this column header "This is an indicative list because the		, unioniou
	ntiv	Plant type 1 Unrooted cuttings	None	Comments			I
	le l	Plants rooted in water or water-based nutrient solutions		Some plants may be grown from cuttings in water or in water-based nutrient solutions, with or without synthetic	PRA will determine the actual risk level." Suggest		
		3 Tissue cultured plants	Sterile, agar-like	growing media. Tissue cultured plants are produced in association with sterile agar-like growing media. They may be shipped in	changing the column header "Constituents of growing		
- 1	1 1			sealed aseptic containers or ex-agar.	media" to "Components of growing media" Suggest		
		4 Epiphytic plants	Tree fern slabs, bark, wood, sphagnum moss, volcanic cinder, rock	Epplykic plants, such as stormalistic and conduct, are often shipped in association with the fern stable, bank, wood, sphagnum mose, volcanic conder, rock and so forth. These consumerations of the stable of the stable of the stable of the stable of the consumerations of the stable of the shipped perioding media.	adding footnote to column 1 header "Not an exhaustive list" Clay, sand, and silt are not inert. They merely have a		
		5 Rooted herbaceous cuttings	Various (including peat, coco peat, synthetic media, sphagnum moss)	Rooted herbaceous cuttings are generally rooted and moved in soil-free growing media that may be contained in peat-pots or coco-pots. The roots are tender and the growing media cannot be removed without injuring the plaints. The growing cycle for these plaints is generally very short.	lower cation exchange capacity than organic material. Vermiculite and perlite are not inert either, but the heat of		
		6 Plants grown from seed	Various (including peat, vermiculite, perlite)	Annuals and biennials are generally grown from seed in growing media and moved as rooted in growing media.	production renders them virtually sterile.		
		7 Potted greenhouse plants	Various (including synthetic media, vermiculite, peritte, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in greenhouses under controlled conditions and in soil-free growing media.			
		8 Ornamental and flowering houseplant	ts Various (including synthetic media, vermiculite, perite, coco peat)	The plants may be field grown in soil, grown as containerized nursery stock, or grown as potted greenhouse plants in soil-free growing media.			
		9 Liners, whips	Various (including peat, vermiculite) or soil as a contaminant	These young plants are generally rooted in soil or in soil- free growing media in containers or trays.			
		 Dormant bulbs and tubers, tuberous roots and herbaceous perennial roots 	Soil, peat (Lilium) or none (Tulipa)	Bulbs, tubers (including corms and rhizomes), tuberous roots and herbaceous perennial roots are generally propagated and grown in felds but shipped dormant and free from growing media. Certain bulbs, such as lities, are very difficult to ship completely free from soil.			

o Comment				Explanation	Language	Country
ım						
nt						
/p						
					1	
11 Bare root nursery stock Soil, none	Bare root is a technique of arboriculture wh grown tree or shrub is dug up in order to pu	it it into a				
	dormant state. The nursery stock may be s some of the soil, or it may be washed free! growing media. The size and root structure	from all soil and of the plant and				
	the type of soil has a large impact on the al soil from the root system.					
12 Artificially dwarfed nursery stock Soil	The plant roots are typically very difficult to soil. The plants may be transplanted to soil media and grown in greenhouses using inte	egrated risk				
13 Trees and shrubs with soil Soil	mitigation measures in an effort to minimize associated with them. Older trees and shrubs, including specimer	trees, are often				
	moved in the nursery trade as dug trees or This material includes a large volume of so	d.				
14 Turf or grass sod Soil	Turf or grass sod contains a large volume of potential pathway for many soil pests.	of soil and is a				
	4	Support				
Constituents of growing media	Pest risk ¹	pest survival	Comments			
Baked clay pellets	Low	No	Inert			
Pure clay	Low	No	n/a			
Gravel, sand, silt	Low	No	Inert			
Synthetic media (e.g. glass wool,	Low	No	Inert (but root knot ar		1	

P Co a mm r ent n a.typ n e o	Comment				Explanation	Languag	e Country
	rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)			nematodes can survi wool)	ve in rock		
	Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert			
	Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing		
	Paper	Low	Yes	High level of process	ing		
	Sawdust, wood shavings (excelsior)	Low–Medium	Yes	Size of particles and processing reduces t probability of pest su processing	he		
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise		
	Water	Low	Yes	Risk depends on sou treatment	rce or		
	Wood chips	Medium	Yes	Risk depends on par and level of processi			
	Cork	Variable low	Yes	Risk depends on level processing	el of		
	Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is	acterial and		

o a	mm ent typ	Comment				Explanation		Language	Country
					the origin has had no exposure (e.g. certific				
		Sphagnum moss	Variable high	Yes	Risk depends on level processing	el of			
		Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea a clean non-infested				
		Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest			
		Bio waste	High	Yes	Unprocessed waste animal sources relate activities				
		Compost	High	Yes	Risk reduced if produ approved process; ris if material is from an source	k increased			
		Humus	High	Yes	Decomposed plant m	atter			
		Soil	High	Yes	Risk can be reduced	if treated			
		Tree fern slabs	High	Yes	Potential to harbour f	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear may be vectors of pe				
46 7 9. 5	sta ntiv	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	growing media to avoid confu	agnum" as other mosses may be used as a and replace by the term "non-viable moss usion as a viable moss would be considered aste: Remove the text that defines bio waste	English	Canada
	e	Baked clay pellets	Low	No		in the fourth co	olumn of the table as a definition is not stable and insert new text describing the risk		

Co mm ent	Comment				Explanation	Language	Country
typ e							
Ì	Pure clay	Low	No	n/a	of bio waste. Delete the row related to Hu would be classified under compost and sh		
	Gravel, sand, silt	Low	No	Inert	not have its own line in this table. Delete t	he reference to	
	Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot ar nematodes can survi wool)	vermicast plus earthworms in the first coluvermicompost does not generally include พื่อเพร. Delete the text related to natine eaต่ำก่องให้ ext in the Comments column to vermicompost may contain.	the actual arthworms and	
	Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert			
	Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on leve processing (e.g. red nematode has been husks of fallen nuts)	ing		
	Paper	Low	Yes	High level of process	ing		
	Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces t probability of pest su processing	he		
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise		
	Water	Low	Yes	Risk depends on sou treatment	rce or		
	Wood chips	Medium	Yes	Risk depends on par and level of processi	icle size 1g		
	Cork	Variable low	Yes	Risk depends on lever	of		

P Co (a mm r ent a. typ n e o	Comment				Explanation	Language	Country
	Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
	Sphagnum moss Non-viable moss	Variable high	Yes	Risk depends on level processing	el of		
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea			
	Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest		
	Bio waste	High	Yes	Unprocessed waste animal sources relate activities Risk depensource and processin material.	d to human ds on		
	Compost	High	Yes	Risk reduced if produced approved process; risif material is from an source	k increased		
	Humus	High	Yes	Decomposed plant m	atter		
	Soil	High	Yes	Risk can be reduced	if treated		
	Tree fern slabs	High	Yes	Potential to harbour t	orest pests		
	Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear may be vectors of pe include remains of ur	sts May		

P Co a mm r ent a typ n e	Comment				Explanation		Language	Country
				organic material				
7 7 Sub 5 sta ntiv	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	"low" was de extra grades	puld be reorganized by pest risk. The term emed to imprecise in this context, and two of risk, "none" and "negligible" were added eping in mind that this this table refers to	English	European Union
e	Baked clay pellets	noneLow	No	Inert	growing med	ia not previously used for planting and which		
	Pure clay, gravel and sand	negligible Low	No	n/a	have been ha contaminatio	andled and stored in a way that prevents		
	Gravel, sand, silt	Low	No	Inert	Contaminatio	manon.		
	Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	none Low	No		ut root knot and cyst odes can survive in rock			
	Vermiculite, perlite, volcanic rock, zeolite, scoria	none Low	No	Inert				
	Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing			
	Paper	Low	Yes	High level of process	ing			
	Sawdust, wood shavings (excelsior)	Low–Medium	Yes	Size of particles and processing reduces to probability of pest su processing	he			
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise			

Co mm ent typ e	Comment				Explanation	Language	Country
	Water	Low	Yes	Risk depends on sou treatment	rce or		
	Wood chips	Medium	Yes	Risk depends on par and level of processi			
	Cork	Variable low	Yes	Risk depends on lever	el of		
	Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly be fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
	Sphagnum moss	Variable high	Yes	Risk depends on lever	ol of		
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if treat a clean non-infested			
	Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	orest		
	Bio waste	High	Yes	Unprocessed waste tanimal sources relate activities			
	Compost	High	Yes	Risk reduced if produ approved process; ris if material is from an source	k increased		
	Humus	High	Yes	Decomposed plant m	atter		
	Soil	High	Yes	Risk can be reduced	if treated		

o a m r m a	mm ent typ e	Comment				Explanation		Language	Country
		Tree fern slabs	High	Yes	Potential to harbour	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear				
47 7 1. 5	ntiv	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	"low" was de extra grades	ould be reorganized by pest risk. The term emed to imprecise in this context, and two of risk, "none" and "negligible" were added eping in mind that this this table refers to	English	Norway
	е	Baked clay pellets	none <mark>Low</mark>	No	Inert	growing med	ia not previously used for planting and which		
		Pure clay, gravel and sand	negligible Low	No	n/a		andled and stored in a way that prevents n. Risk of sphagnum moss is similar to peat		
		Gravel, sand, silt	Low	No	Inert	Comaminatio	The Misk of Springfrom moss is similar to pear		
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	none Low	No	Inert (but root knot a nematodes can surv wool)				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	noneLow	No	Inert				
		Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lev processing (e.g. red nematode has been husks of fallen nuts)	ing			
		Paper	Low	Yes	High level of process	ing			
		Sawdust, wood shavings (excelsior)	Low–Medium	Yes	Size of particles and processing reduces of probability of pest suprocessing	he			

Co mm ent typ	Comment				Explanation	Language	Country
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise		
	Water	Low	Yes	Risk depends on sou treatment	rce or		
	Wood chips	Medium	Yes	Risk depends on par and level of processi			
	Cork	Variable low	Yes	Risk depends on lever	el of		
	Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
		Variable lowhigh	Yes	Risk depends on lever	el of		
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if treat a clean non-infested			
	Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest		
	Bio waste	High	Yes	Unprocessed waste tanimal sources relate activities			
	Compost	High	Yes	Risk reduced if produ approved process; ris if material is from an source	k increased		

o a m r m a	mm ent typ e	Comment				Explanation		Language	Country
	Ħ	Humus	High	Yes	Decomposed plant m	atter			
		Soil	High	Yes	Risk can be reduced	if treated			
		Tree fern slabs	High	Yes	Potential to harbour t	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear				
47 7 2. 5	Tec hni cal	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	"comments" of the and needs to be pr	omment "not applicable" in the collumn e line "pure clay" does not make sense precised. The words "variable low" and Il for precision. The word "inert" would	English	EPPO
		Baked clay pellets	Low	No	Inert <u>(?)</u>	gain from having a			
		Pure clay	Medium _{Low}	No	n/a ? Depends on the	<u>horizon</u>			
		Gravel, sand, silt	Medium _{Low}	No	Depends on the horiz	<u>ron</u> lnert			
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot an nematodes can survi wool)				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				
		Coconut fibres (coir/coco peat)	Variable low ?	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing			
		Paper	Low	Yes	High level of process	ing			
		Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and	level of			

Comment				Explanation	Language	Country
			processing reduces t probability of pest su processing	he vival after		
Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise		
Water	Low	Yes	Risk depends on sou treatment	rce or		
Wood chips	Medium	Yes	Risk depends on par and level of processi			
Cork	Variable low (?)	Yes	Risk depends on lever processing	el of		
Peat	Variable low_(?)	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
Sphagnum moss	Variable high (?)	Yes	Risk depends on lever processing	el of		
Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high (?)	Yes	Risk is reduced if trea			
Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest		
Bio waste	High	Yes	Unprocessed waste animal sources relate activities			
Compost	High	Yes	Risk reduced if produ	ced by an		

o a m i m a	mm ent a. typ n e					Explanation		Language	Country
					approved process; risif material is from an source				
Ш		Humus	High	Yes	Decomposed plant m	atter			
		Soil	High	Yes	Risk can be reduced	if treated			
		Tree fern slabs	High	Yes	Potential to harbour f	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear may be vectors of pe				
	7 Tec 5 hni cal	Constituents of growing media	Pest risk ¹	Support pest survival		medium was	w: What is relevant is how the growing produced and not its approval Vermicompost y, they may or not be non native.	English	Uruguay
		Baked clay pellets	Low	No	Inert				
		Pure clay	Low	No	n/a				
		Gravel, sand, silt	Low	No	Inert				
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot an nematodes can survi wool)				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				
		Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing			

P Co a mm r ent a. typ n e	Comment				Explanation	Language	Country
	Paper	Low	Yes	High level of process	ing		
	Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces to probability of pest surprocessing	he		
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise		
	Water	Low	Yes	Risk depends on sou treatment	rce or		
	Wood chips	Medium	Yes	Risk depends on par and level of processi			
	Cork	Variable low	Yes	Risk depends on lever	el of		
	Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
	Sphagnum moss	Variable high	Yes	Risk depends on lever	el of		
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea			
	Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest		

o a m r m a	mm ent a.typ	Comment				Explanation		Language	Country
		Bio waste	High	Yes	Unprocessed waste animal sources relate activities				
		Compost	High	Yes	Risk can be reduced depending on if produced the produce; risk increased if ma an unknown source	ced by an tion process			
		H umus	High	Yes	Decomposed plant m	atter			
		Soil	High	Yes	Risk can be reduced	if treated			
		Tree fern slabs	High	Yes	Potential to harbour f	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear				
	7 Tec 5 hni cal	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	medium was	w: What is relevant is how the growing produced and not its approval Vermicompost y, they may or not be non native.	English	COSAVE, Paraguay, Chile, Argentina, Peru,
		Baked clay pellets	Low	No	Inert				Brazil
		Pure clay	Low	No	n/a				
		Gravel, sand, silt	Low	No	Inert				
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot at nematodes can survi wool)				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				

C P Co o a mm r ent m a typ n e n o o					Explanation	Language	Country
	Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing		
	Paper	Low	Yes	High level of process	ing		
	Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces to probability of pest surprocessing	level of he		
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise		
	Water	Low	Yes	Risk depends on sou treatment	rce or		
	Wood chips	Medium	Yes	Risk depends on par and level of processi			
	Cork	Variable low	Yes	Risk depends on lever processing	el of		
	Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
	Sphagnum moss	Variable high	Yes	Risk depends on lever processing	el of		
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea a clean non-infested			

o a mi m r en m a.tyj . n e n o	nt				Explanation		Language	Country
O. -	Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest			
	Bio waste	High	Yes	Unprocessed waste that animal sources related activities	rom plant or d to human			
	Compost	High	Yes	Risk <u>can be</u> reduced depending on if produced approved the produce; risk increased if ma an unknown source	ced by an ion process			
	Humus	High	Yes	Decomposed plant m	atter			
	Soil	High	Yes	Risk can be reduced	if treated			
	Tree fern slabs	High	Yes	Potential to harbour f	orest pests			
	Vermicompost (vermicast pl earthworms)	us High	Yes	Some non-native ear				
47 7 Te 5. 5 hn ca	i Constituents of growing m	nedia Pest risk ¹	Support pest survival	Comments	From the exp nematodes, f in sand, grav	perience in the region organisms such as lungi, molluscs and bacteria have been found el and silt .	English	Suriname, Jamaica, Trinidad and Tobago, Barbados
	Baked clay pellets	Low	No	Inert				
	Pure clay	Low	No	n/a				
	Gravel, sand, silt	<u>medium</u> Low	<u>yes</u> No	Inert				
	Synthetic media (e.g. glass rock wool, polystyrene, flora		No	Inert (but root knot ar nematodes can survi				

Comment m t				Explanation	Language
plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)			wool)		
Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert		
Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on level processing (e.g. red nematode has been husks of fallen nuts)	ing	
Paper	Low	Yes	High level of process	ing	
Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces t probability of pest su processing	he	
Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise	
Water	Low	Yes	Risk depends on sou treatment	rce or	
Wood chips	Medium	Yes	Risk depends on par and level of processi		
Cork	Variable low	Yes	Risk depends on lever	el of	
Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural	

o a m r m a	mm ent typ					Explanation		Language	Country
		Sphagnum moss	Variable high	Yes	Risk depends on level processing	el of			
		Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea a clean non-infested				
		Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest			
		Bio waste	High	Yes	Unprocessed waste animal sources relate activities				
		Compost	High	Yes	Risk reduced if produ approved process; ris if material is from an source	k increased			
		Humus	High	Yes	Decomposed plant m	atter			
		Soil	High	Yes	Risk can be reduced	if treated			
		Tree fern slabs	High	Yes	Potential to harbour f	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear may be vectors of pe				
	Tec hni cal	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	medium was	v: What is relevant is how the growing produced and not its approval Vermicompost y, they may or not be non native.	English	Ecuador, OIRSA, Belize, Costa Rica
		Baked clay pellets	Low	No	Inert				
		Pure clay	Low	No	n/a				

o Comment im nt rp				Explanation	Language	Country
Gravel, sand, silt	Low	No	Inert			
Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot at nematodes can survi wool)	nd cyst ive in rock		
Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert			
Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing		
Paper	Low	Yes	High level of process	sing		
Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces to probability of pest su processing	the		
Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	vise		
Water	Low	Yes	Risk depends on sou treatment	rce or		
Wood chips	Medium	Yes	Risk depends on par and level of processi			
Cork	Variable low	Yes	Risk depends on lever processing	el of		
Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b			

Co (mm ent	Comment				Explanation		Language	Country
typ e								
				fungal eaters; risk is the origin has had no exposure (e.g. certific	agricultural			
	Sphagnum moss	Variable high	Yes	Risk depends on lever processing	el of			
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if treat a clean non-infested				
	Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest			
	Bio waste	High	Yes	Unprocessed waste that animal sources related activities				
	Compost	High	Yes	Risk <u>can be</u> reduced depending onif produced the produce; risk increased if ma an unknown source	ced by an tion process			
	 Humus	High	Yes	Decomposed plant m	atter			
	Soil	High	Yes	Risk can be reduced	if treated			
	Tree fern slabs	High	Yes	Potential to harbour f	orest pests			
	Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear				
Tec hni cal	Constituents of growing media	Pest risk ¹	Support pest	Comments	such as nemato	ence in the Caribbean region, organisms des, fungi, molluscs and bacteria have and, gravel and silt.	English	Saint Kitts And Nevis

o im nt 'p	Comment				Explanation	Language
			survival			
	Baked clay pellets	Low	No	Inert		
	Pure clay	Low	No	n/a		
	Gravel, sand, silt	medium Low	<u>yes</u> No	Inert		
	Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot ar nematodes can survi wool)		
	Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert		
	Coconut fibres (coir/coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing	
	Paper	Low	Yes	High level of process	ing	
	Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces t probability of pest su processing	he	
	Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise	
	Water	Low	Yes	Risk depends on sou treatment	rce or	
	Wood chips	Medium	Yes	Risk depends on par and level of processi		

Comment m at p				Explanation	Language	Country
Cork	Variable low	Yes	Risk depends on lever	el of		
Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
Sphagnum moss	Variable high	Yes	Risk depends on lever processing	el of		
Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea			
Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest		
Bio waste	High	Yes	Unprocessed waste tanimal sources relate activities			
Compost	High	Yes	Risk reduced if produ approved process; ris if material is from an source	k increased		
Humus	High	Yes	Decomposed plant m	atter		
Soil	High	Yes	Risk can be reduced	if treated		
Tree fern slabs	High	Yes	Potential to harbour f	orest pests		
Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear may be vectors of pe			

o a m r m a . n c c	ent ent typ e	Comment				Explanation		Language	Country
	Tec hni cal	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	From the exp nematodes, f in sand, grav	ungi, molluscs and bacteria have been found	English	Dominica
		Baked clay pellets	Low	No	Inert				
		Pure clay	Low	No	n/a				
		Gravel, sand, silt	medium Low	<u>yes</u> No	Inert				
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot ar nematodes can survi wool)				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				
		Coconut fibres (coir/coco peat)	Variable lew high	Yes	Risk depends on leve processing (e.g. red nematode has been husks of fallen nuts)	ing			
		Paper	Low	Yes	High level of process	ing			
		Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces t probability of pest su processing	he			
		Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise			
		Water	Low	Yes	Risk depends on sou treatment	rce or			

Co Co mm ent typ e	omment				Explanation	Language	Country
V	Wood chips	Medium	Yes	Risk depends on par and level of processi			
	Cork	Variable low	Yes	Risk depends on lever	el of		
F	Peat	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	acterial and ower where agricultural		
s	Sphagnum moss	Variable high	Yes	Risk depends on lever processing	el of		
h s	Other plant material (e.g. rice nulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea			
E	3ark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest		
E	Bio waste	High	Yes	Unprocessed waste to animal sources related activities			
C	Compost	High	Yes	Risk reduced if produ approved process; ris if material is from an source	k increased		
F	Humus	High	Yes	Decomposed plant m	atter		
	Soil	High	Yes	Risk can be reduced	if treated		
T	Tree fern slabs	High	Yes	Potential to harbour f	orest pests		

o a m r m a	mm ent typ	Comment				Explanation		Language	Country
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear				
47 7 9. 5	Tec hni cal	Constituents of growing media	Pest risk ¹	Support pest survival	Comments	listed accordi n/a and repla	The table would have better flow if the constituents were listed according to risk ranking (from low to high). Remove n/a and replace by inert in the Comments column for Pure clay to better describe this specific constituant of growing		Canada
		Baked clay pellets	Low	No	Inert	media. The term coco peat should be avoided and therefore deleted from column 1 when referring to coconut fibres because it causes confusion as could be considered a mix of coir and peat). Only the term "coir" should be kept for Coconut fibres. Add wording beside peat (first column) for clarity and delete the first portion of the Yest related to peat under the fourth column as this is with the first portion of an interest and not always the case.			
		Pure clay	Low	No	n/a Inert				
		Gravel, sand, silt	Low	No	Inert				
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot a				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				
		Coconut fibres (coir/ coco peat)	Variable low	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing			
		Paper	Low	Yes	High level of process	ing			
		Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces to probability of pest su processing	he			
		Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherw sterilized before use	ise			

Co (mm ent typ e	Comment				Explanation	Language	Country
	Water	Low	Yes	Risk depends on sou treatment	rce or		
	Wood chips	Medium	Yes	Risk depends on par and level of processi	icle size 1g		
	Cork	Variable low	Yes	Risk depends on level processing	el of		
	Peat (excluding peat soil)	Variable low	Yes	Peat is a natural hab nematodes, mostly b fungal eaters; risk is the origin has had no exposure (e.g. certific	a cterial and ower where agricultural		
	Sphagnum moss	Variable high	Yes	Risk depends on lever processing	el of		
	Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high	Yes	Risk is reduced if trea			
	Bark	High	Yes	Risk depends on sou (potential to harbour pests) and degree of or fermentation	forest		
	Bio waste	High	Yes	Unprocessed waste tanimal sources relate activities	rom plant or d to human		
	Compost	High	Yes	Risk reduced if produ approved process; ris if material is from an source	k increased		
	Humus	High	Yes	Decomposed plant m	atter		

o a m r m a	mm ent typ e	Comment				Explanation		Language	Country
		Soil	High	Yes	Risk can be reduced	if treated			
		Tree fern slabs	High	Yes	Potential to harbour f	orest pests			
		Vermicompost (vermicast plus earthworms)	High	Yes	Some non-native ear may be vectors of pe				
	Tec hni cal	Constituents of growing media	Pest risk ¹	Support pest survival		of the line "pure clay" does be precised. The words "va	ble" in the collumn "comments" not make sense and needs to ariable low" and "variable high" d "inert" would gain from having	English	European Union
		Baked clay pellets	Low	No	Inert (?)	a definition.	3 3		
		Pure clay	Low	No	n/a <u>?</u>				
		Gravel, sand, silt	Low	No	Inert (?)				
		Synthetic media (e.g. glass wool, rock wool, polystyrene, floral foam, plastic particles, polyethylene, polymer stabilized starch, polyurethane, water absorbing polymers)	Low	No	Inert (but root knot an nematodes can survi wool)				
		Vermiculite, perlite, volcanic rock, zeolite, scoria	Low	No	Inert				
		Coconut fibres (coir/coco peat)	Variable low <u>(?)</u>	Yes	Risk depends on lever processing (e.g. red nematode has been husks of fallen nuts)	ing			
		Paper	Low	Yes	High level of process	ing			
		Sawdust, wood shavings (excelsior)	Low-Medium	Yes	Size of particles and processing reduces to probability of pest su	he			

Comment t				Explanation	Language	Country
			processing			
Tissue culture medium (agar-like)	Low	Yes	Autoclaved or otherwi sterilized before use	ise		
Water	Low	Yes	Risk depends on sour treatment	rce or		
Wood chips	Medium	Yes	Risk depends on part	icle size		
Cork	Variable low (?)	Yes	Risk depends on level processing	el of		
Peat	Variable low_(?)	Yes	Peat is a natural hab to nematodes, mostly be fungal eaters; risk is the origin has had no exposure (e.g. certifice)	acterial and ower where agricultural		
Sphagnum moss	Variable high (?)	Yes	Risk depends on level processing	el of		
Other plant material (e.g. rice hulls/chaff, grain hulls, coffee hulls, sugarcane refuse, grape marc, cocoa pods)	Variable high_(?)	Yes	Risk is reduced if trea			
Bark	High	Yes	Risk depends on sour (potential to harbour pests) and degree of or fermentation	orest		
Bio waste	High	Yes	Unprocessed waste in animal sources related activities			
Compost	High	Yes	Risk reduced if produ	ced by an k increased		

o m m	a r r a.t n e	mm ent typ	Comment						Explanation		Language	Country
								if material is from an source	unknown			
			Humus		High		Yes	Decomposed plant m	atter			
			Soil		High		Yes	Risk can be reduced	if treated			
			Tree fern slabs		High		Yes	Potential to harbour f	orest pests			
			Vermicompost (vermi earthworms)	icast plus	High		Yes	Some non-native ear may be vectors of pe	thworms sts			
48 1.	5 r		milieux de culture	Risque phytosanita ire	Favorise la survie de 'organis me nuisible	Observ	vations		Pour plus d'ii	nterprétation	Français	Burundi
			Billes d'argile cuites	Faible	Von	Inerte						
			Argile pure	Faible	Von	L'écrire	e en toutes let	tres_ s/o				
			Gravier, sable, limon	Faible	Non	Inerte						
			Milieu synthétique (par exemple, laine de verre, laine minérale, polystyrène, mousse florale, particules de plastique, polyéthylène, amidon stabilisé polymère, polyuréthane, polymères hydrorétenteurs)	Faible I	Non	Inerte (à kyste	(mais les ném e peuvent surv	atodes à galle des rac vivre dans de la laine r	ines et les ne ninérale)	ématodes		

C P Co o a mm m r ent m a.typ . n e n o o					Explanation	Language	Country
	Vermiculite, perlite, roche volcanique, zéolite, scories	Faible	Non	Inerte			
	Fibre de coco (tourbe de coco/coir)	Variable faible	Oui	Le risque dépend du degré de transformat nématodes responsables de la maladie de retrouvés dans l'enveloppe fibreuse de no	l'anneau rouge ont été		
	Papier	Faible	Oui	Degré de transformation élevé			
	Sciure, planure de bois (fibre de bois)	Faible- moyen	Oui	La taille des particules et le degré de trans la probabilité de survie des organismes nu transformation			
	Milieu de culture tissulaire (de type agar)	Faible	Oui	Stérilisé, notamment autoclavé, avant utili	sation		
	Eau	Faible	Oui	Le risque est fonction de la source ou du t	aitement		
	Copeaux de bois	Moyen	Oui	Le risque est fonction de la taille des partitransformation	ules et du degré de		
	Liège	Variable faible	Oui	Le risque est fonction du degré de transfo	mation		
	Tourbe	Variable faible	Oui	La tourbe est un habitat naturel des néma nourrissent principalement de bactéries et risque est plus faible lorsque l'origine n'a p l'agriculture (par exemple, tourbières certif	de champignons; le as été exposée à		
	Sphaigne	Variable élevé	Oui	Le risque est fonction du degré de transfo	mation		
	Autre matériel végétal (par exemple, balles de	Variable élevé	Oui	Le risque est moins élevé si le substrat es d'une source saine non infestée	traité ou s'il provient		

o a m i m a	mm	Comment				Explanation		Language	Country
		riz/paillette, balles de céréales, parches, résidus de canne à sucre, marc de raisin, cabosses)							
		Écorce	Élevé	Oui	Le risque est fonction de la source (potent ravageurs forestiers) et du degré de transf fermentation	el d'abriter des ormation ou de			
		Déchets biologiques	Élevé	Oui	Déchets d'origine végétale ou animale nor activités humaines	transformés liés à des			
		Compost	Élevé	Oui	Le risque est moins élevé si le compost es processus approuvé; il est accru si sa prov connue				
		Humus	Élevé	Oui	Matière végétale décomposée				
		Terre	Élevé	Oui	Le risque peut être réduit avec un traiteme	nt			
		Plaques de fougère arborescente	Élevé	Oui	Abri potentiel de ravageurs forestiers				
		Vermicompost (fumier de vers de terre et vers de terre)	Élevé	Oui	Certains vers de terre non autochtones pe d'organismes nuisibles	uvent être vecteurs			
		Footnote ¹ For growing mand stored in a way the				of the Annex, as it is too	e given as a note under the title important to be left in a footnote. e of similar significance under its	English	Australia
48 3.	sta l	Footnote 1 This annex ass planting and which have contamination.	sumes that the beenwas h	e For growing nandled and s	media <u>was</u> not previously used for tored in a way that prevents	Simpler, clearer stateme	nt.	English	United States of America

C	P Cc	Comment	Explanation	Language	Country
	a mi			Language	
	r en				
	a. typ				
	n e				
	0				
o					
П	е				
10	 -	Footnote 1—			EDDO N
	7 Te		Added before the table (very important note)	English	EPPO, Norway,
4.		and stored in a way that prevents contamination.			Algeria
	ca				
48	7 Te	c Footnote 1 For growing media not previously used for planting and which have been handled	We propose to add this new paragraph after paragraph 76	English	Uruguay
5.	6 hn		to clarify that both growing media and plants for planting		
	ca		should be evaluated together when assessing pest risk		
		This Annex considers the risk posed by different constituents of growing media, but not in a			
		ssociation with plants for planting. For pest risk assessment, the pest risk posed by growing			
Ш		media in association with plants for planting should be assessed.			
	<mark>7</mark> Te		We propose to add this new paragraph after paragraph 76	English	COSAVE,
6.	<mark>6</mark> hn		to clarify that both growing media and plants for planting		Paraguay, Chile,
	ca		should be evaluated together when assessing pest risk		Argentina, Peru,
		This Annex considers the risk posed by different constituents of growing media, but not in a			Brazil
		ssociation with plants for planting. For pest risk assessment, the pest risk posed by growing			
40	 	media in association with plants for planting should be assessed.	 	F 1: 1	- I 01004
48	/ le	c Footnote 1 For growing media not previously used for planting and which have been handled and stored in a way that prevents contamination.	We propose to add this new paragraph after paragraph 76 to clarify that both growing media and plants for planting	∟ngiish	Ecuador, OIRSA,
'	1		should be evaluated together when assessing pest risk		Belize, Costa Rica
	ca		bridge by evaluation together which accessing pest flow		
		This Appendix considers the risk posed by different constituents of growing media, but not in association with plants for planting. For pest risk assessment, the pest risk posed by grow			
		ing media in association with plants for planting should be assessed.			
48	7 TA	c Footnote 1 For growing media not previously used for planting and which have been handled	Add an example of contamination to provide clarity.	English	Canada
	6 hn		and an example of contamination to provide dailty.	Ligion	Cariada
0.	ca	1			
	la				
48	7 Te	c Footnote 1 For growing media not previously used for planting and which have been handled	Added before the table (very important note)	English	European Union
		and stored in a way that prevents contamination.	, , , , , , , , , , , , , , , , , , , ,		'
			I .		

o m m	a mm r ent a.typ n e		Explanation	Language	Country
	cal				
49 0.	7 Edi 7 oria I	ANNEX 1b: Combinations of Ggrowing media and other measures associated with plants that result in may be considered low negligible pest risk	For consistency with [39] and [79], and added clarity (it is not the growing media in itself that results in low risk).	English	EPPO, Norway, Algeria
49 1.	7 Edi 7 oria I	ANNEX 1b: Examples of combinations of Ggrowing media with other measures associated with plants that which result in may be considered low negligible pest risk of the growing medium associated with the plant	For consistency with [39] and [79], and added clarity (it is not the growing media in itself that results in low risk).	English	European Union
49 2.		considered low pest risk	This Annex should be made into Appendix	English	Thailand, Malaysia
49 3.	7 Sub 7 sta ntiv e	APPENDIX ANNEX 1b: Growing media associated with plants that may be considered low pest risk	This Annex should be made into Appendix	English	Korea, Republic of
	7 Sub 7 sta ntiv e		Suggest deleting Annexes 1a and 1b (first three columns). 1b is outside the scope of the standard, and doesn't add information to the standard. Redundant because information in 1b is already covered in 1a. See US proposed new table in paragraph 75.	English	United States of America
49 5.	7 Sub 7 sta ntiv e	ANNEX APPENDIX 1b: Growing media associated with plants that may be considered low pest risk	This is the regional comment made by the 14th APPPC Regional Workshop on Review of draft ISPMs.	English	Japan

o a m r m a	mm ent typ	Comment	Explanation	Language	Country
	Sub sta ntiv e	ANNEX 1b: Growing media associated with plants that may be considered low pest risk	Annex 1b and the associated tables should be deleted from the standard as they are not all inclusive. Many of the measures mentioned in this annex may be related to systems approaches, which have now been addressed under Section 5. The text on treatment of water has been moved to now section 5.2 and the text on prevention of colonization by the relevant pest has been moved to a new Section 5.1. The rest of the information covered under Annex 1b is already captured elsewhere in the draft text.	English	Canada
	Sub sta ntiv e	ANNEX 1b: Growing media associated with plants that may be considered low pest risk	The Annex should be made into Appendix.	English	Nepal
49 8.		ANNEXAPPENDIX 1b: Growing media associated with plants that may be considered low pest risk	This Annex should be made into Appendix	English	Viet Nam
		Note: These tables describe only the pest risk associated with the growing medium, not with the plants.	See US comment in paragraph 77	English	United States of America
		Note: These tables describe only the pest risk associated with the growing medium, not with the plants.	Delete the note above Table 1 and 2 as both tables are being deleted with the deletion of annex 1b - see comment in paragraph 77.	English	Canada

0	P C a m	mm	Explanation	Language	Country
m	a. ty n e o	ур			
	8 h		this is a proposed clarification of the note and of what the table actually presents.		EPPO, Norway, Algeria
	8 h		This paragraph is inconsistent with Title of Annex 1b	English	Uruguay
	8 h		This paragraph is inconsistent with Title of Annex 1b	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	8 h		See comment on para 82.	English	European Union
	9 st	negligible are effective for managing pest risk	See US comment on paragraph 77. If this table is not deleted, suggest this rewording.	English	United States of America
	9 st	sta <mark>negligible pest risk</mark> ntiv	Delete Table 1 in line with deletion of annex 1b as per comment in paragraph 77.	English	Canada
50	7 h		The title of the table is now given in the heading for annex 1b	English	EPPO, Norway,

o a m r m a	mm ent typ e	Comment				Explanation		Language	Country
7.	cal								Algeria
50 7 8. 9	7 Tec hni cal	Table 1: Co	ombinations o pest-risk	of growing med	ium and other measures that result in	The title of the	e table is now given in the heading for annex	English	European Union
50 8 9. <i>(</i>	Edit oria I	Growing medium	Water/nutri ents	Other measures	Examples	Usual term		English	EPPO
		Water	Water or water-based nutrient solution	Sterilized, treated or filtered water may be required	Plants rooted in water				
		Tissue culture medium	N/A (incorporate d in sterile medium)	Maintained in aseptic conditions	Tissue cultured plants transported in closed conta	iners			
			Sterilized water-based nutrient solution	Maintained in conditions to prevent pest infestation columnation	Plants for hydroponic cultivation where the abser can be verified	ce of pests			

0	Co mm ent	Comment			Expl	anation	Language	Country
	a.typ							
		(e.g. by	(sterilized, cond treated or preven	Plants grown from seed in modules under protect conditions	ted			
51 0.	B Edit O oria	Milieu de culture	Eau/nutriment s	Autres mesures	SO:	ecrire en toutes lettres Exemples	Français	Gabon, Congo, DR*
		Eau	Eau ou solution aqueuse nutritive	Il peut être nécessaire de stériliser, de traiter ou de filtrer l'é	au	Végétaux enracinés dans l'eau		
		Milieu de culture tissulair e	SO (incorporés dans un milieu stérile)	Maintien dans des conditions aseptiques		Végétaux en culture tissulaire transportés dans des conteneurs fermés		
		Matière	Solution	Maintien dans des conditions propres à prévenir une		Végétaux		

C P Co o a mm m r ent m a.typ . n e n o o	Comment			Explanation			Language	Country
	impropr e à la croissa nce d'organi smes nuisible s (par exempl e, la perlite)	nutritive stérilisée			culture hydroponique, où l'absence d'organismes nuisibles peut être vérifiée			
	Milieu de culture stérilisé (par exempl e, chauffé à une tempér ature spécifiq ue pendant une durée détermi née)	Approvisionnem ent en eau exempt d'organismes nuisibles (stérilisé, traité ou filtré)	Maintien dans des conditions propres à prévenir une colonisation par des organismes nuisibles		Végétaux cultivés à partir de semences dans des modules, dans un environnement protégé			

o a r m r e m a.t n e n o o	mm ent typ e	Comment				Explanation	La	anguage	Country
51 8 E		Growing medium	Water/nutrients	Other measures	Examples	Usual term	Er	nglish	European Union
			Water or water- based nutrient solution	Sterilized, treated or filtered water may be required	Plants rooted in water				
		culture	N/A (incorporated in sterile medium)	Maintained in aseptic conditions	Tissue cultured plants transported in closed	containers			
			based nutrient	Maintained in conditions to prevent pest infestation colon ization	Plants for hydroponic cultivation where the a pests can be verified	bsence of			
		Growing medium that has been sterilized (e.g. by	Pest free (sterilized, treated or filtered) water supply	Maintained in conditions to prevent pest infestation colon ization	Plants grown from seed in modules under p conditions	rotected			

o a m r m a	mm ent typ e					Explanation	L	anguage	Country
		specified duration)							
51 8	B Edit	Growing				Usual term	 	English	Algeria
2. (oria I	medium	Water/nutrients	Other measures	Examples				
		Water	Water or water- based nutrient solution	Sterilized, treated or filtered water may be required	Plants rooted in water				
		Tissue culture medium		Maintained in aseptic conditions	Tissue cultured plants transported in closed	containers			
		Inert material that is not capable of supportin g pest growth (e.g. perlite)	Sterilized water- based nutrient solution	Maintained in conditions to prevent pest infestation colon ization	Plants for hydroponic cultivation where the a pests can be verified	bsence of			
		Growing medium that has been	Pest free (sterilized, treated or filtered) water	Maintained in conditions to prevent pest infestation colon	Plants grown from seed in modules under p conditions	otected			

o m m	mm r ent a. typ n e	Comment				Explanation		Language	Country
		sterilized (e.g. by heat to a specified temperat ure for a specified duration)	supply	ization					
51 3.	8 Sub 0 sta ntiv e	Growin g mediu m	Water/nutrien ts	Other measures	Examples	See US con	ment on paragraph 77	English	United States of America
		Water	Water or water-based nutrient solution	Sterilized, treated or filtered water may be required	Plants rooted in water				
		Tissue culture medium	N/A (incorporated in sterile medium)	Maintained in aseptic conditions	Tissue cultured plants transported in closed containers				
		Inert material that is not	Sterilized water-based nutrient solution	Maintained in conditions to prevent pest colonization	Plants for hydroponic cultivation where the of pests can be verified	absence			

o a m r m a	ent ent typ e	Comment				Explanation		Language	Country
		of supporti ng pest growth (e.g. perlite)							
		Growin g medium that has been sterilize d (e.g. by heat to a specifie d temper ature for a specifie d duration)	Pest free (sterilized, treated or filtered) water supply	Maintained in conditions to prevent pest colonization	Plants grown from seed in modules under conditions				
51 8	Sub sta ntiv e	Growing medium	Water/nutrients	Other measures	Examples	Delete text of pararaph 77	ontained in the table as per comment in	English	Canada
		Water	Water or water-	Sterilized,	Plants rooted in water				

	1 1 1	Comment				Explanation		Language	Country
m m	a. typ n e o								
			based nutrient solution	treated or filtered water may be required					
		Tissue culture medium	N/A (incorporated in sterile medium)	Maintained in aseptic conditions	Tissue cultured plants transported in closed	containers			
		Inert material that is not capable ef supportin g pest growth (e.g. perlite)	Sterilized water- based nutrient solution	Maintained in conditions to prevent pest colonization	Plants for hydroponic cultivation where the apests can be verified	bsence of			
		Growing medium that has been sterilized (e.g. by heat to a specified temperat ure for a specified duration)	Pest free (sterilized, treated or filtered) water supply	Maintained in conditions to prevent pest colonization	Plants grown from seed in modules under p conditions	retected			
	8 Tec 0 hni cal	Growing	Water/nutrients	Other Mmeasures	Examples	The word "ot	her" does not make sense here	English	EPPO, Algeria

P Co o a mm r ent	Comment				Explanation	Language	Country
a.typ n e o							
	medium						
	Water	Water or water- based nutrient solution	Sterilized, treated or filtered water may be required	Plants rooted in water			
	Tissue culture medium	N/A (incorporated in sterile medium)	Maintained in aseptic conditions	Tissue cultured plants transported in closed	containers		
	Inert material that is not capable of supportin g pest growth (e.g. perlite)	Sterilized water- based nutrient solution	Maintained in conditions to prevent pest colonization	Plants for hydroponic cultivation where the a pests can be verified	bsence of		
	Growing medium that has been sterilized (e.g. by	Pest free (sterilized, treated or filtered) water supply	Maintained in conditions to prevent pest colonization	Plants grown from seed in modules under p conditions	rotected		

o a m i m a	mm ent typ e	1				Explanation		Language	Country
		specified duration)							
	Tec hni cal	medium	Water/nutrients	Other Mmeasures	Examples	The word "ot	her" does not make sense here	English	European Union
		Water	Water or water- based nutrient solution	Sterilized, treated or filtered water may be required	Plants rooted in water				
		culture	N/A (incorporated in sterile medium)	Maintained in aseptic conditions	Tissue cultured plants transported in closed	containers			
			Sterilized water- based nutrient solution	Maintained in conditions to prevent pest colonization	Plants for hydroponic cultivation where the a pests can be verified	bsence of			
		that has been sterilized	Pest free (sterilized, treated or filtered) water supply	Maintained in conditions to prevent pest colonization	Plants grown from seed in modules under p conditions	otected			

C P Co o a mn m r ent m a.typ . n e n o o				Expl	anation		Language	Country
	specified temperat ure for a specified duration)							
51 8 Ted 7. 0 hni cal	culture	Eau/nutriments	Autres mesures	Evite	r autres interprétation	ons	Français	Burundi
	Eau	Eau ou solution aqueuse nutritive	Il peut être nécessaire de stériliser, de traiter ou de filtrer l'eau	l	Végétaux enracinés dans l'eau			
	Milieu de culture tissulaire	SO (incorporés dans un milieu stérile) . SO, l'écrire en toutes lettres	Maintien dans des conditions aseptiques		Végétaux en culture tissulaire transportés dans des conteneurs fermés			
	Matière inerte impropre à la croissanc e d'organis mes nuisibles (par exemple, la perlite)	Solution aqueuse nutritive stérilisée	Maintien dans des conditions propres à prévenir une colonisa par des organismes nuisibles	ion	Végétaux destinés à la culture hydroponique, où l'absence d'organismes nuisibles peut être vérifiée			
	Milieu de	Approvisionnem	Maintien dans des conditions propres à prévenir une colonisa	ion	Végétaux cultivés			

o m m	a mı r en a. ty _l n e		Explanation Langu	uage Country
		culture stérilisé (par exempt d'organismes nuisibles exemple, chauffé à une températu re spécifique pendant une durée déterminé e) par des organismes nuisibles organismes nuisibles par des organismes nuisibles par des organismes nuisibles	à partir de semences dans des modules, dans un environnement protégé	
51 8.	8 Su 1 sta nti e	Table 2: Combinations of growing medium and other measures that may result in low risk for a specific pest	table combined with the first table of annex 1B: the table did not give any additional precise information or guidance	h EPPO, Norway, Algeria
51 9.	8 Su 1 sta nti e	Table 2: Combinations of growing medium and other measures that may result in low risk for a specific pest	See US comment on paragraph 75 English	h United States of America
52	8 Su 1 sta nti e	Table 2: Combinations of growing medium and other measures that may result in low risk for a specific pest	Table combined with the first table of annex 1B: the table did not give any additional precise information or guidance.	h European Union
	8 Te 1 hn ca	Table 2: Combinations of growing medium and other measures that may result in low risk for a specific pest	Delete Table 2 as per comment in paragraph 77. English	h Canada

o a m r m a	mm ent typ	Comment				Explanation	1	Language	Country
	Sub sta ntiv e	Table delete	<u>ed</u>			See 81		English	EPPO, Norway, Algeria
52 8 3. 2	Sub sta ntiv e	Growin g mediu m	Water/nutri ents	Other measures	Examples	See US con	ment on paragraph 75	English	United States of America
		Treated growing medium (e.g. fumigat ed or drenche d with an appropriate chemic al treatment)	Clean water supply or if pest is likely to be transmitted in water, appropriatel y sterilized, treated or filtered water supply	Prevention of colonization by the relevant pest (e.g. pest free area, pest free place of production, protected conditions, prevention of transmission by wind, grown on benches separated from contact with soil)	Plants in pots in growing medium treated wit insecticide to kill a specific insect pest and grotected conditions	n an own in			

o a m r m a	mm ent a. typ					Explanation		Language	Country
	Sub sta ntiv	Growing medium	Water/nutrien	Other measures	Examples	Delete text c paragraph 7	ontained in the table. Please see comment in 7.	English	Canada
	e	Treated growing medium (e.g. fumigate d-or drenched with an appropria te chemical treatment)	Clean water supply or if pest is likely to be transmitted in water, appropriately sterilized, treated or filtered water supply	Prevention of colonization by the relevant pest (e.g. pest free area, pest free place of production, protected conditions, prevention of transmission by wind, grown on benches separated from contact with soil)	Plants in pots in growing medium treated with insecticide to kill a specific insect pest and grotected conditions	an wn in			
	Sub sta ntiv	Table delete	ed			See 81		English	European Union
52 6 5	B Edit oria	APPENDIX used grow	24: Types of ping media	lants for planting	in international trade and their commonly	Renumberin	g. Change to APPENDIX 2	English	Thailand
52 8 7. 5	Edit oria	APPENDIX used grow	1: Types of pla ing media	ants for planting	in international trade and their commonly	Renumberin	g. Change to APPENDIX 2	English	Malaysia

C P Co o a mm m r ent m a.typ . n e n o				Explanation	Language	Country
o. .	APPENDIX 1:	Types of pl	ants for planting in international trade and their commonly	Renumbering. Change to APPENDIX 2	English	Korea, Republic of
8. <mark>5</mark> oria	used growing	media	plants for planting in international trade and their commonly		English	Viet Nam
9. 5 oria 1 53 8 Sub	used growing APPENDIX 1:	media Examples	ypes of plants for planting in international trade and their ed growing media	Clearer title The table title suggests that media and soil "commonly used in international trade" are acceptable. Permitting such materials may explain the much higher incidence of non-native forest pathogens established in other regions of the world.	English	United States of America
53 8 Sub 1. 6 sta ntiv e	Plant type Unrooted cuttings	Growing media	Comments	The title of table is "Type of plants for planting in international trade and their commonly used growing media". So, the first row is not necessary because it's not use growing media.	English	Thailand
	Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-baselutions, with or without synthetic growing media.	sed nutrient		
	Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile a growing media. They may be shipped in sealed aseptic containagar.			
	Epiphytic	Tree fern	Epiphytic plants, such as bromeliads and orchids, are often ship	ped in		

C P Co o a mm r ent m a.typ o n e n o	Comment			Explanation	Language	Country
	plants	slabs, bark, wood, sphagnum moss, volcanic cinder, rock	association with tree fern slabs, bark, wood, sphagnum moss, v cinder, rock and so forth. These materials are generally intende support and ornamentation rather than being true growing medi	d for		
	Rooted herbaceous cuttings	Various (including peat, coco peat, synthetic media, sphagnum moss)	Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without in plants. The growing cycle for these plants is generally very shore	The roots juring the		
	Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	media and		
	Potted greenhouse plants	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in greunder controlled conditions and in soil-free growing media.	enhouses		
	Ornamental and flowering houseplants	Various (including synthetic media,	The plants may be field grown in soil, grown as containerized no or grown as potted greenhouse plants in soil-free growing media			

P Co Co a mm ent a.typ n e	Comment			Explanation	Language	Country
		vermiculite , perlite, coco peat)				
	Liners, whips	Various (including peat, vermiculite) or soil as a contamina nt	These young plants are generally rooted in soil or in soil-free gramedia in containers or trays.	owing		
	Dormant bulbs and tubers, tuberous roots and herbaceous perennial roots	Soil, peat (<i>Lilium</i>) or none (<i>Tulipa</i>)	Bulbs, tubers (including corms and rhizomes), tuberous roots are herbaceous perennial roots are generally propagated and grown but shipped dormant and free from growing media. Certain bulbs lilies, are very difficult to ship completely free from soil.	in fields		
	Bare root nursery stock	Soil, none	Bare root is a technique of arboriculture whereby a field grown t is dug up in order to put it into a dormant state. The nursery stoch shaken to remove some of the soil, or it may be washed free frow and growing media. The size and root structure of the plant and soil has a large impact on the ability to remove soil from the root	k may be m all soil the type of		
	Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. may be transplanted to soil-free growing media and grown in grusing integrated risk mitigation measures in an effort to minimizerisks associated with them.	enhouses		
	Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often mov nursery trade as dug trees or "ball and burlap". This material inclarge volume of soil.	ed in the udes a		

o a m i m a	mm ent a.typ	Comment			Explanation		Language	Country
		Turf or grass	Soil	Turf or grass sod contains a large volume of soil and is a potential for many soil pests.	ial pathway			
	Sub sta ntiv	Plant type	Growing media	Comments	need to highlig	ht this	English	Australia
	e	Unrooted cuttings	None	-Unrooted cuttings are often packed in media to keep them in groundition	od			
		Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-basolutions, with or without synthetic growing media.	sed nutrient			
		Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile a growing media. They may be shipped in sealed aseptic containagar.				
		Epiphytic plants	Tree fern slabs, bark, wood, sphagnum moss, volcanic cinder, rock	Epiphytic plants, such as bromeliads and orchids, are often ship association with tree fern slabs, bark, wood, sphagnum moss, vicinder, rock and so forth. These materials are generally intende support and ornamentation rather than being true growing median	blcanic d for			
		Rooted herbaceous cuttings	Various (including peat, coco peat, synthetic	Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without in plants. The growing cycle for these plants is generally very shown	The roots juring the			

P Co (a mm) r ent a typ n e o	Comment			Explanation	Language	Country
		media, sphagnum moss)				
	Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	media and		
	Potted greenhouse plants	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in greunder controlled conditions and in soil-free growing media.	enhouses		
	flowering houseplants	Various (including synthetic media, vermiculite , perlite, coco peat)	The plants may be field grown in soil, grown as containerized no or grown as potted greenhouse plants in soil-free growing media	ırsery stock, a.		
	Liners, whips	Various (including peat, vermiculite) or soil as a contamina nt	These young plants are generally rooted in soil or in soil-free gradular in containers or trays.	pwing		

		Comment			Explanation		Language	Country
m i								
		tuberous roots and		Bulbs, tubers (including corms and rhizomes), tuberous roots ar herbaceous perennial roots are generally propagated and grown but shipped dormant and free from growing media. Certain bulb lilies, are very difficult to ship completely free from soil.	n in fields			
		Bare root nursery stock	Soil, none	Bare root is a technique of arboriculture whereby a field grown t is dug up in order to put it into a dormant state. The nursery stochaken to remove some of the soil, or it may be washed free fround growing media. The size and root structure of the plant and soil has a large impact on the ability to remove soil from the roo	k may be m all soil the type of			
		Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. may be transplanted to soil-free growing media and grown in grusing integrated risk mitigation measures in an effort to minimizerisks associated with them.	enhouses			
		Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often mornursery trade as dug trees or "ball and burlap". This material inclarge volume of soil.				
		Turf or grass sod	Soil	Turf or grass sod contains a large volume of soil and is a potent for many soil pests.	ial pathway			
	Tec 6 hni cal		Growing media	Comments	ISPMs focus	mentionned in annex 1A and has other ing speciically on it. The other modifications group the plants and plant material that are	English	EPPO
	Cai	Unrooted cuttings, so me bulbs (Tu lipa) and so me bare root nursery stoc k	None			out growing media.		

Comment n t		Ex	planation	Language	Country
Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-base solutions, with or without synthetic growing media.	d nutrient		
Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile agar growing media. They may be shipped in sealed aseptic containers agar.			
Epiphytic plants	Tree fern slabs, bark, weed, sphagnum moss, volcanic cinder, rock	Epiphytic plants, such as bromeliads and orchids, are often ship per association with tree fern slabs, bark, weed, sphagnum moss, volcinder, rock and so forth. These materials are generally intended for support and ornamentation rather than being true growing media.	anic		
Rooted herbaceous cuttings	noot	Rooted herbaceous cuttings are generally rooted and moved in soi growing media that may be contained in peat-pots or coco-pots. The are tender and the growing media cannot be removed without ir jur plants. The growing cycle for these plants is generally very short.	ne roots		
Plants grow from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	nedia and		

C P Co a mm r ent a.typ n e o o	Comment			Explanation	Language	Country
	greenhouse	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in grunder controlled conditions and in soil-free growing media.	enhouses		
	flowering houseplants	Various (including synthetic media, vermiculite , perlite, coco peat)	The plants may be field grown in soil, grown as containerized n or grown as potted greenhouse plants in soil-free growing medi	ursery stock, ia.		
			These young plants are generally rooted in soil or in soil-free gr media in containers or trays.	pwing		
	tuberous	Soil, peat (<i>Lilium</i>) ornone (<i>Tulipa</i>)	Bulbs, tubers (including corms and rhizomes), tuberous roots at herbaceous perennial roots are generally propagated and grow but shipped dormant and free from growing media. Certain bulb lilies, are very difficult to ship completely free from soil.	n in fields		
	Bare root	Soil , none	Bare root is a technique of arboriculture whereby a field grown	ree or shrub		

o a m r m a	mm ent typ e	Comment			Explanation		Language	Country
		nursery stock		is dug up in order to put it into a dormant state. The nursery storshaken to remove some of the soil, or it may be washed free frow and growing media. The size and root structure of the plant and soil has a large impact on the ability to remove soil from the room	m all soil the type of			
		Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. may be transplanted to soil-free growing media and grown in grusing integrated risk mitigation measures in an effort to minimiz risks associated with them.	enhouses			
		Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often mornursery trade as dug trees or "ball and burlap― . This mat includes a large volume of soil.				
		Turf or grass sod	Soil	Turf or grass sod contains a large volume of soil and is a potent for many soil pests.	ial pathway			
	Tec	Plant type	Growing media	Comments	This type of t	pulbs can be shipped in inert substrate	English	Uruguay
	cal	Unrooted cuttings	None					
		Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-basolutions, with or without synthetic growing media.	sed nutrient			
		Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile a growing media. They may be shipped in sealed aseptic contains agar.				
		Epiphytic plants	Tree fern slabs, bark,	Epiphytic plants, such as bromeliads and orchids, are often ship association with tree fern slabs, bark, wood, sphagnum moss, v cinder, rock and so forth. These materials are generally intende	olcanic			

	P Co a mm	Comment			Explanation	Language	Country
m m	r ent a. typ n e o						
			wood, sphagnum moss, volcanic cinder, rock	support and ornamentation rather than being true growing medi	а.		
		Rooted herbaceous cuttings		Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without ir plants. The growing cycle for these plants is generally very shor	The roots juring the		
		Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	media and		
		Potted greenhouse plants	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in greunder controlled conditions and in soil-free growing media.	enhouses		
		Ornamental and flowering houseplants	Various (including synthetic media, vermiculite	The plants may be field grown in soil, grown as containerized no or grown as potted greenhouse plants in soil-free growing media			

o Comment im nt rp		Ex	planation	Language	Country
	, perlite, coco peat)				
Liners, whips	Various (including peat, vermiculite) or soil as a contamina nt	These young plants are generally rooted in soil or in soil-free grown media in containers or trays.	ing		
Dormant bulbs and tubers, tuberous roots and herbaceous perennial roots	Soil, peat (<i>Lilium</i>) or none (<i>Tulipa</i>)	Bulbs, tubers (including corms and rhizomes), tuberous roots and herbaceous perennial roots are generally propagated and grown in but shipped dormant and free from growing media. Cortain bulbs, slilles, are very difficult to ship completely free from soil.			
Bare root nursery stock	Soil, none	Bare root is a technique of arboriculture whereby a field grown tree is dug up in order to put it into a dormant state. The nursery stock is shaken to remove some of the soil, or it may be washed free from and growing media. The size and root structure of the plant and the soil has a large impact on the ability to remove soil from the roots.	may be all soil e type of		
Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. The may be transplanted to soil-free growing media and grown in green using integrated risk mitigation measures in an effort to minimize the risks associated with them.	nhouses		
Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often moved nursery trade as dug trees or "ball and burlap". This material include large volume of soil.			
Turf or grass	Soil	Turf or grass sod contains a large volume of soil and is a potent al	pathway		

o a r	mm ent typ	Comment			Explanation		Language	Country
		sod		for many soil pests.				
53 8 5. 6		Plant type	Growing media	Comments	This type of	bulbs can be shipped in inert substrate	English	COSAVE, Paraguay, Chile, Argentina, Peru,
	cai	Unrooted cuttings	None				1	Brazil
		Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-basolutions, with or without synthetic growing media.	sed nutrient			
		Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile a growing media. They may be shipped in sealed aseptic containe agar.				
		Epiphytic plants	Tree fern slabs, bark, wood, sphagnum moss, volcanic cinder, rock	Epiphytic plants, such as bromeliads and orchids, are often ship association with tree fern slabs, bark, wood, sphagnum moss, v cinder, rock and so forth. These materials are generally intende support and ornamentation rather than being true growing medi	olcanic d for			
		Rooted herbaceous cuttings	Various (including peat, coco peat, synthetic media, sphagnum moss)	Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without in plants. The growing cycle for these plants is generally very shore	The roots juring the			

Co Comi	ment			Explanation	Language	Country
nm ent yp						
	nts grown	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	g media and		
Pott gree plan	ted enhouse nts	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in greunder controlled conditions and in soil-free growing media.	eenhouses		
and flow	amental vering seplants	Various (including synthetic media, vermiculite , perlite, coco peat)	The plants may be field grown in soil, grown as containerized no grown as potted greenhouse plants in soil-free growing media			
Line	ers, whips	Various (including peat, vermiculite) or soil as a contamina nt	These young plants are generally rooted in soil or in soil-free gr media in containers or trays.	pwing		
	os and	Soil, peat (<i>Lilium</i>) or none	Bulbs, tubers (including corms and rhizomes), tuberous roots ar herbaceous perennial roots are generally propagated and grown but shipped dormant and free from growing media. Certain bulb	n in fields		

	1 1	Comment			Explanation	Language	Country
m r m a	e						
		tuberous roots and herbaceous perennial roots	(Tulipa)	lilies, are very difficult to ship completely free from soil.			
		Bare root nursery stock		Bare root is a technique of arboriculture whereby a field grown t is dug up in order to put it into a dormant state. The nursery sto shaken to remove some of the soil, or it may be washed free fro and growing media. The size and root structure of the plant and soil has a large impact on the ability to remove soil from the roo	k may be m all soil the type of		
		Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. may be transplanted to soil-free growing media and grown in grusing integrated risk mitigation measures in an effort to minimizerisks associated with them.	enhouses		
		Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often monursery trade as dug trees or "ball and burlap". This material inclarge volume of soil.			
		Turf or grass sod	Soil	Turf or grass sod contains a large volume of soil and is a potent for many soil pests.	al pathway		
53 <mark>8</mark> 6. 6	Tec hni	Plant type	Growing media		This type of bulbs are not generally cultivated in fields and can be shiped in an inert substrate	English	Ecuador, OIRSA, Belize, Costa Rica
	cal	Unrooted cuttings	None				
		Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-baselutions, with or without synthetic growing media.	sed nutrient		
		Tissue	Sterile,	Tissue cultured plants are produced in association with sterile a	gar-like		

n r	a mm r ent a.typ n e	Comment			Explanation	Language	Country
		cultured plants	agar-like	growing media. They may be shipped in sealed aseptic containe agar.	rs or ex-		
		Epiphytic plants	Tree fern slabs, bark, wood, sphagnum moss, volcanic cinder, rock	Epiphytic plants, such as bromeliads and orchids, are often ship association with tree fern slabs, bark, wood, sphagnum moss, v cinder, rock and so forth. These materials are generally intende support and ornamentation rather than being true growing medi	olcanic d for		
		Rooted herbaceous cuttings	peat,	Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without in plants. The growing cycle for these plants is generally very shor	The roots juring the		
		Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	media and		

C P Co a mm r ent a.typ n e o o	Comment			Explanation	Language	Country
	greenhouse	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in grunder controlled conditions and in soil-free growing media.	enhouses		
	Ornamental and flowering houseplants	Various (including synthetic media, vermiculite , perlite, coco peat)	The plants may be field grown in soil, grown as containerized n or grown as potted greenhouse plants in soil-free growing medi	ursery stock, a.		
			These young plants are generally rooted in soil or in soil-free gr media in containers or trays.	pwing		
			Bulbs, tubers (including corms and rhizomes), tuberous roots at herbaceous perennial roots are generally propagated and grow but shipped dormant and free from growing media. Certain bulk lilies, are very difficult to ship completely free from soil.	n in fields		
	Bare root	Soil, none	Bare root is a technique of arboriculture whereby a field grown	ree or shrub		

o a r	nm ent syp	Comment			Explanation	Language	Country
		nursery stock		is dug up in order to put it into a dormant state. The nursery storshaken to remove some of the soil, or it may be washed free fround growing media. The size and root structure of the plant and soil has a large impact on the ability to remove soil from the root	m all soil the type of		
		Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. may be transplanted to soil-free growing media and grown in grusing integrated risk mitigation measures in an effort to minimizerisks associated with them.	enhouses		
		Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often mornursery trade as dug trees or "ball and burlap". This material includes volume of soil.			
		Turf or grass sod	Soil	Turf or grass sod contains a large volume of soil and is a potent for many soil pests.	ial pathway		
53 <mark>8</mark> 7 7. 6 h	nni	Plant type	Growing media	Comments	Unrooted cuttings: comment should highlight that unrooted cuttings are often packed in media to keep them in good condition Rooted herbacious cuttings: delete		Australia
	cal	Unrooted cuttings	None	Often packed in growing media to keep in good condition.	sentence or explain significance of short growing cycle. Potted greenhouse plants: delete as it is uncorrect to		
		Plants rooted in water or water-based nutrient solutions	Water		claim that greenhouse plants are generally grown in soil- free media. sed nutrient		
		Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile a growing media. They may be shipped in sealed aseptic containe agar.			
		Epiphytic plants	Tree fern slabs, bark,	Epiphytic plants, such as bromeliads and orchids, are often ship association with tree fern slabs, bark, wood, sphagnum moss, v cinder, rock and so forth. These materials are generally intende	plcanic		

C P C o a m r e m a.ty . n e n o o	nt			Explanation	Language	Country
		wood, sphagnum moss, volcanic cinder, rock	support and ornamentation rather than being true growing medi	а.		
	Rooted herbaceous cuttings	Various (including peat, coco peat, synthetic media, sphagnum moss)	Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without in plants. The growing cycle for these plants is generally very short	The roots juring the		
	Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.) media and		
	Potted greenhouse plants	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in grounder controlled conditions and in soil-free growing media.	enhouses		
	Ornamental and flowering houseplants	Various (including synthetic media, vermiculite	The plants may be field grown in soil, grown as containerized no grown as potted greenhouse plants in soil-free growing media			

Comment		Exp	planation	Language
	, perlite,			
	coco peat)			
	Various			
	(including			
	peat,	These young plants are generally rooted in soil or in soil-free growing	na	
Liners, whips		media in containers or trays.	9	
	a			
	contamina nt			
Dormant				
bulbs and				
tubers,	Soil, peat	Bulbs, tubers (including corms and rhizomes), tuberous roots and	fields	
tuberous roots and	(<i>Lilium</i>) or none	herbaceous perennial roots are generally propagated and grown in but shipped dormant and free from growing media. Certain bulbs, s		
herbaceous	(Tulipa)	lilies, are very difficult to ship completely free from soil.		
perennial roots				
10015		Dave weat is a technique of orbeniculture who well, a field grown to		
Bare root		Bare root is a technique of arboriculture whereby a field grown tree is dug up in order to put it into a dormant state. The nursery stock n		
nursery	Soil, none	shaken to remove some of the soil, or it may be washed free from a	all soil	
stock		and growing media. The size and root structure of the plant and the soil has a large impact on the ability to remove soil from the root system.		
Artificially				
dwarfed	0 "	The plant roots are typically very difficult to wash free from soil. The may be transplanted to soil-free growing media and grown in green		
nursery	Soil	using integrated risk mitigation measures in an effort to minimize the		
stock		risks associated with them.		
Trees and	0 "	Older trees and shrubs, including specimen trees, are often moved	in the	
shrubs with soil	Soil	nursery trade as dug trees or "ball and burlap". This material include large volume of soil.	es a	
Turf or grass	Coil	Turf or grass sod contains a large volume of soil and is a potential r	acthuray	
cron or grass	ابان ت	truit or grass soo contains a targe volume of soil and is a potential p	<u>Jaurway</u>	

o a	mm ent typ	Comment			Explanation		Language	Country
		sod		for many soil pests.				
53 <mark>8</mark> 8. 6		Plant type	Growing media	Comments	the only type examples. D	s of bulbs shipped. Suggestion to exclude elete the last sentence (Certain bulbs, from	English	Canada
	Jour	Unrooted cuttings	None			tatement is not appropriate as it is related to the than actual risk.		
		Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-baselutions, with or without synthetic growing media.	sed nutrient			
		Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile a growing media. They may be shipped in sealed aseptic contain agar.				
		Epiphytic plants	Tree fern slabs, bark, wood, sphagnum moss, volcanic cinder, rock	Epiphytic plants, such as bromeliads and orchids, are often ship association with tree fern slabs, bark, wood, sphagnum moss, vinder, rock and so forth. These materials are generally intended support and ornamentation rather than being true growing med	olcanic d for			
		Rooted herbaceous cuttings	Various (including peat, coco peat, synthetic media, sphagnum moss)	Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without in plants. The growing cycle for these plants is generally very sho	The roots juring the			

Co C mm ent typ e	Comment			Explanation	Language	Country
	Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	media and		
	Potted greenhouse plants	Various (including synthetic media, vermiculite , perlite, peat, coco peat)	Potted greenhouse plants are generally grown exclusively in grounder controlled conditions and in soil-free growing media.	enhouses		
	Ornamental and flowering houseplants		The plants may be field grown in soil, grown as containerized nor grown as potted greenhouse plants in soil-free growing medi			
	Liners, whips		These young plants are generally rooted in soil or in soil-free gr media in containers or trays.	pwing		
	bulbs and	or none(Lilli	Bulbs, tubers (including corms and rhizomes), tuberous roots at herbaceous perennial roots are generally propagated and grow but shipped dormant and free from growing media. Certain bulb	n in fields		

C P o a	1 1	Comment			Explanation	Language	Country
m r m a . n n o o	typ e						
		tuberous roots and herbaceous perennial roots	none (Tulipa)	lilies, are very difficult to ship completely free from soil.			
		Bare root nursery stock	Soil, none	Bare root is a technique of arboriculture whereby a field grown to is dug up in order to put it into a dormant state. The nursery stock shaken to remove some of the soil, or it may be washed free from and growing media. The size and root structure of the plant and soil has a large impact on the ability to remove soil from the root	ck may be m all soil I the type of		
		Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. may be transplanted to soil-free growing media and grown in grusing integrated risk mitigation measures in an effort to minimizerisks associated with them.	enhouses		
		Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often monursery trade as dug trees or "ball and burlap". This material includes volume of soil.			
		Turf or grass sod	Soil	Turf or grass sod contains a large volume of soil and is a potent for many soil pests.	tial pathway		
53 <mark>8</mark> 9. 6		Plant type	Growing media		Wood is not mentioned in annex 1A and has other ISPMs focusing specifically on it. The other modifications are added to group the plants and plant material that are	English	European Union
	Joan	Unrooted cuttings, so me bulbs (Tu lipa) and so me bare root nursery stoc k	None		moved without growing media.		
		Plants rooted in	Water	Some plants may be grown from cuttings in water or in water-basolutions, with or without synthetic growing media.	sed nutrient		

Comment n t		E	xplanation	Language	Country
water or water-based nutrient solutions					
Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile aga growing media. They may be shipped in sealed aseptic containers agar.			
Epiphytic plants	Tree fern slabs, bark, wood, sphagnum moss, volcanic cinder, rock	Epiphytic plants, such as bromeliads and orchids, are often ship per association with tree fern slabs, bark, weed, sphagnum moss, volcinder, rock and so forth. These materials are generally intended support and ornamentation rather than being true growing media.	canic for		
Rooted herbaceous cuttings	peat,	Rooted herbaceous cuttings are generally rooted and moved in so growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without ir juplants. The growing cycle for these plants is generally very short.	he roots		
Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	media and		
Potted greenhouse	Various (including	Potted greenhouse plants are generally grown exclusively in gree under controlled conditions and in soil-free growing media.	nhouses		

C P Co a mm r ent m a.typ n e n o o	Comment			Explanation	Language	Country
	plants	synthetic media, vermiculite , perlite, peat, coco peat)				
	Ornamental and flowering houseplants	Various (including synthetic media, vermiculite , perlite, coco peat)	The plants may be field grown in soil, grown as containerized no grown as potted greenhouse plants in soil-free growing media	ırsery stock, a.		
	Liners, whips	Various (including peat, vermiculite) or soil as a contamina nt	These young plants are generally rooted in soil or in soil-free gradular in containers or trays.	pwing		
	Dormant bulbs and tubers, tuberous roots and herbaceous perennial roots	Soil, peat (<i>Lilium</i>) ernene (<i>Tulipa</i>)	Bulbs, tubers (including corms and rhizomes), tuberous roots ar herbaceous perennial roots are generally propagated and grown but shipped dormant and free from growing media. Certain bulb lilies, are very difficult to ship completely free from soil.	n in fields		
	Bare root nursery stock	Soil , none	Bare root is a technique of arboriculture whereby a field grown t is dug up in order to put it into a dormant state. The nursery stochahen to remove some of the soil, or it may be washed free from	k may be		

C P Co o a mm m r ent m a.typ . n e n o o	Comment			Explanation		Language	Country
			and growing media. The size and root structure of the plant and soil has a large impact on the ability to remove soil from the roo				
	Artificially dwarfed nursery stock	Soil	The plant roots are typically very difficult to wash free from soil. may be transplanted to soil-free growing media and grown in grusing integrated risk mitigation measures in an effort to minimiz risks associated with them.	eenhouses			
	Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often monursery trade as dug trees or "ball and burlap― . This mat includes a large volume of soil.				
	Turf or grass sod	Soil	Turf or grass sod contains a large volume of soil and is a potent for many soil pests.	ial pathway			
54 8 Tra 0. 6 nsl atio	Tipo de planta	Medio de crecimient o	Observaciones	Término más	s usado en español	Español	El Salvador
n n	Esquejes sin enraizar	Ninguno					
	Plantas enraizadas en agua o en una solución acuosa de nutrientes	Agua	Algunas plantas pueden cultivarse, a partir de esquejes, en agu soluciones acuosas de nutrientes, con o sin medios de crecimie sintéticos.				
	Plantas cultivadas en medio de cultivo tisular	Estéril, de tipo agar	La producción de plantas cultivadas en medio de cultivo tisular asociada con medios de crecimiento estériles de tipo agar. Pue transportarse en contenedores asépticos sellados o <i>ex agar</i> .				
	Plantas epífitas		Las plantas epífitas, como las bromelias y las orquídeas, se trai menudo asociadas con losas de helechos arborescentes, corte musgo esfagnáceo, ceniza volcánica, roca, etc. Estos materiale	za, madera,			

C P Co a mm r ent m a.typ n e n o o	Comment			Explanation	Language	Country
			verdaderos medios de crecimiento, sino que se utilizan general fines de soporte y ornamentación.	nente con		
	Esquejes herbáceos enraizados	coco, medios	Los esquejes herbáceos enraizados generalmente se enraízan transportan en medios de crecimiento libres de suelo; como rec pueden utilizarse macetas de turba o de coco. Las raíces son d los medios de crecimiento no pueden eliminarse sin dañar a las ciclo de crecimiento de estas plantas es generalmente muy cor	piente elicadas y plantas. El		
	Plantas cultivadas a partir de semillas		Las plantas anuales y bienales se cultivan generalmente, a part semillas, en medios de crecimiento y se transportan enraizadas medios de crecimiento.			
	Plantas de invernadero en maceta	Diversos medios (en particular: medios sintéticos, vermiculita , perlita, turba,	Las plantas de invernadero en maceta por lo general se cultivar exclusivamente en invernaderos en condiciones controladas y e de crecimiento libres de suelo.	ı n medios		

Comment mm ent typ			Explanation	L	anguage	Country
е						
	turba de coco)					
Plantas de interior ornamentale s y floridas	Diversos medios (en particular: medios sintéticos, vermiculita , perlita, turba de coco)	Las plantas se pueden cultivar en suelo (en el campo), en conte (en viveros) o en maceta (en invernaderos), en medios de creci libres de suelo.				
Plántulas, plantones	Diversos medios (en particular: turba, vermiculita) o suelo como contamina nte	Estas plantas jóvenes generalmente están enraizadas en suelo medio de crecimiento libre de suelo, en contenedores o bandeja				
Bulbos y tubérculos, raíces tuberosas y raíces perennes herbáceas en estado latente	Suelo, turba (<i>Lilium</i>) o ninguno (<i>Tulipa</i>)	Los bulbos, los tubérculos (incluidos los cormos y rizomas), las tuberosas y las raíces perennes herbáceas generalmente se pr cultivan en campos de cultivo, pero se transportan en estado la medios de crecimiento. Algunos bulbos, como los lirios, son mu de transportar completamente libres de suelo.	ppagan y ente y sin			
Plantas de vivero a raíz	Suelo, ninguno	La raíz desnuda es una técnica de arboricultura que consiste en un árbol o arbusto cultivado en el campo con el fin de inducir un				

		Comment			Explanation		Language	Country
m i	e mm ent a. typ n e							
		desnuda		latente. La planta de vivero se puede sacudir para eliminar part o se puede lavar para liberarla de todo resto de suelo y medios crecimiento. El tamaño de la planta y la estructura de su raíz, a tipo de suelo, influyen en gran medida en la facilidad para elimin del sistema radicular.	de sí como el			
		Plantas de vivero con desarrollo frenado artificialment e	Suelo	Suele ser muy difícil lavar las raíces de estas plantas para elimi suelo. Las plantas se pueden trasplantar a medios de crecimier suelo y cultivarse en invernaderos utilizando medidas integrada mitigación del riesgo con el fin de reducir al mínimo los riesgos asociados a las mismas.	to libres de s de			
		Árboles y arbustos con suelo	Suelo	Los árboles y arbustos más viejos, en particular los árboles sinç menudo se trasladan en el sector de los viveros como árboles é "en cepellón con arpillera". Estos productos contienen un gran v suelo.	xcavados o			
		Tapetes Tep es de césped [past o en rollo]	Suelo	Los tapetes tepes de césped contienen un gran volumen de succonstituyen una vía potencial para muchas plagas del suelo.	elo y			
	Tra nsl atio	Plant type	Growing media	Comments	'Tourbe ou gazon e <u>be avoided b</u> ecaus	en plaques'. The term "tourbe" should se it causes confusion with other	English	Canada
	n	Unrooted cuttings	None		Therefore, delete th	at, moss) also used in this standard. he French term "tourbe" and replace it		
	l'	Plants rooted in water or water-based nutrient solutions	Water	Some plants may be grown from cuttings in water or in water-basolutions, with or without synthetic growing media.	by "gazon" in both o	columns.		

C n	omment			Explanation	Language	Country
Ш	Tissue cultured plants	Sterile, agar-like	Tissue cultured plants are produced in association with sterile a growing media. They may be shipped in sealed aseptic containe agar.			
	Epiphytic plants	Tree fern slabs, bark, wood, sphagnum moss, volcanic cinder, rock	Epiphytic plants, such as bromeliads and orchids, are often ship association with tree fern slabs, bark, wood, sphagnum moss, v cinder, rock and so forth. These materials are generally intende support and ornamentation rather than being true growing medi	plcanic d for		
	Rooted herbaceous cuttings	Various (including peat, coco peat, synthetic media, sphagnum moss)	Rooted herbaceous cuttings are generally rooted and moved in growing media that may be contained in peat-pots or coco-pots are tender and the growing media cannot be removed without in plants. The growing cycle for these plants is generally very shore	The roots juring the		
	Plants grown from seed	Various (including peat, vermiculite , perlite)	Annuals and biennials are generally grown from seed in growing moved as rooted in growing media.	media and		
	Potted greenhouse plants	Various (including synthetic media, vermiculite , perlite,	Potted greenhouse plants are generally grown exclusively in greunder controlled conditions and in soil-free growing media.	enhouses		

P Co Comment a mm		E	xplanation	L	_anguage	Country
r ent a.typ n e o						
	peat, coco peat)					
Ornamenta and flowering houseplant	media,	The plants may be field grown in soil, grown as containerized number or grown as potted greenhouse plants in soil-free growing media				
Liners, whi	Various (including peat, vermiculite) or soil as a contamina nt	These young plants are generally rooted in soil or in soil-free gromedia in containers or trays.	wing			
Dormant bulbs and tubers, tuberous roots and herbaceou perennial roots	Soil, peat (<i>Lilium</i>) or none s (<i>Tulipa</i>)	Bulbs, tubers (including corms and rhizomes), tuberous roots are herbaceous perennial roots are generally propagated and grown but shipped dormant and free from growing media. Certain bulbs lilies, are very difficult to ship completely free from soil.	in fields			
Bare root nursery stock	Soil, none	Bare root is a technique of arboriculture whereby a field grown to is dug up in order to put it into a dormant state. The nursery stock shaken to remove some of the soil, or it may be washed free from and growing media. The size and root structure of the plant and the soil has a large impact on the ability to remove soil from the root.	may be all soil he type of			
Artificially dwarfed	Soil	The plant roots are typically very difficult to wash free from soil. The plant roots are typically very difficult to wash free from soil. The plant roots are typically very difficult to wash free from soil.				

- -	mm ent typ	Comment			Explanation	Language	Country
		nursery stock		using integrated risk mitigation measures in an effort to minimiz	the pest		
		Trees and shrubs with soil	Soil	Older trees and shrubs, including specimen trees, are often monursery trade as dug trees or "ball and burlap". This material includes volume of soil.			
		Turf or grass sod Gazon ou gazon en plaques	Soil	Turf or grass sod contains a large volume of soil and is a poten for many soil pests. Le gazon et le gazon en plaques contiennent de grandes quan et constituent une filière potentielle pour de nombreux ravageur souterrains.	tités de terre		
54 8 2. 9	Edit oria I	APPENDIX 32: of growing med	: Indicative li dia accompa	ist of pests that may be of concern with respect to the movement nying in association with plants for planting	- Renumbering. Change to APPENDIX 3 Consistent	English	Thailand
				t of pests that may be of concern with respect to the movement nying associated with plants for planting	-Renumbering. Change to APPENDIX 3 -Clearer meaning	English	Malaysia
54 8 4. 9	Edit oria I	APPENDIX 23: of growing med	: Indicative li lia accompa	ist of pests that may be of concern with respect to the movement nying plants for planting	Renumbering. Change to APPENDIX 3	English	Viet Nam
5. <mark>9</mark>				t of pests that may be of concern with respect to the movement nying plants for planting	Present appendix 2 not very useful and could be deleted . (no refernce to it in the main body of text) Instead of having an "indicative list" there should be a more complete tabulation on higher taxonomic levels, which may be complemented by some common examples (PWN, cyst- and root knot nematodes). Nematodes: There are in a world perspective many more nematodes	English	EPPO, Norway

o m m	a r	mm ent typ	Comment	Explanation	Language	Country
				that are regulated, and listed by the different RPPO:s, i.e.regulated endoparasitic nematodes (species in families Anguinidae, Hoplolaimidae, Pratylenchidae and Heteroderidae) and regulated ectoparasites in the family Longidoridae). PWN, cyst- and root knot nematodes are some common examples.		
54 6.	9 8	sta ntiv	of growing media accompanying plants for planting	This list is not needed, is incomplete, it mixes different taxonomic entities, it includes pests that are not likely to be associated with plants for planting, it is confusing	English	Uruguay
54 7.	9 8	sta ntiv	of growing media accompanying plants for planting	This list is not needed, is incomplete, it mixes different taxonomic entities, it includes pests that are not likely to be associated with plants for planting, it is confusing	English	COSAVE, Paraguay, Chile, Argentina, Peru, Brazil
	9 8	sta ntiv	of growing media accompanying plants for planting	This list is not needed, is incomplete, it mixes different taxonomic entities, it includes pests that are not likely to be associated with plants for planting, it is confusing	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
54 9.	9 8	sta ntiv	APPENDIX 2: Indicative list of pests that may be of concern with respect to the movement of growing media accompanying plants for planting	Depending on the circumstance, nearly any plant pest could be present in frowing media. This brief table does not help or add anything to the standard.	English	Australia
55 0.	9 8	sta ntiv	of growing media accompanying plants for planting (delete)	This table is not comprehensive Especially if growing media is recognized as a pathway of fruit flies, this may cause interruptions of existing trades because pathway of fruit flies are prohibited by many countries.	English	Korea, Republic of

o a m r m a . n o o	mm ent typ e	APPENDIX 2: Indicative list of pests that may be of concern with respect to the movement of growing media accompanying plants for planting	The table should include major soil pathogens, such as Fusarium, Phytophthora, Pythium, Rhizoctonia solani, Sclerotium rolfsii, Verticillium and Sclerotinia. Bacteria, such as Erwinia and Psuedomonas. Arthropod list should	Language English	United States of America
55 8 2. 9	Sub sta ntiv e	APPENDIX 2: Indicative list of pests that may be of concern with respect to the movement of growing media accompanying plants for planting	include ants, larvae of Coleoptera and Lepidoptera, acarid mites, and fungus gnats. Delete Appendix 2 - This table is incomplete and could be misleading because pests of concern are not the same in every country. It should be replaced with a new sentence at the end of paragraph12.		Canada
3. 9	sta ntiv e	APPENDIX 2: Indicative list of pests that may be of concern with respect to the movement of growing media accompanying plants for planting	Present appendix 2 is not very useful and could be deleted (no reference to it in the main body of text). Instead of having an "indicative list" there should be a more complete tabulation on higher taxonomic levels, which may be complemented by some common examples (PWN, cyst- and root knot nematodes). Nematodes: There are in a world perspective many more nematodes that are regulated, and listed by the different RPPOs, i.e. regulated endoparasitic nematodes (species in families Anguinidae, Hoplolaimidae, Pratylenchidae and Heteroderidae) and regulated ectoparasites (in the family Longidoridae). PWN, cyst- and root knot nematodes are some common examples.	English	European Union
		APPENDIX 2: Indicative list of pests that may be of concern with respect to the movement of growing media accompanying plants for planting		English	Australia
55 <mark>8</mark> 5. 9	nsl	APÉNDICE 2: <u>Lista Relación</u> -indicativa de plagas que pueden ser objeto de preocupación con respecto al movimiento de los medios de crecimiento que acompañan a las plantas para plantar	Término más común	Español	El Salvador

		Comme	nt	Ехр	lanation	Language	Country
o a m r	mm ent						
m a							
n o	e						
o. .							
	n						
55 <mark>9</mark> 6. <i>0</i>	Sub	Bacteri	a and phytoplasmas	This	list is not needed, is incomplete, it mixes different	English	Uruguay
0. 0	ntiv	•	Agrobacterium	be a	nomic entities, it includes pests that are not likely to associated with plants for planting, it is confusing		
	е						
		•	Ralstonia Control Cont				
		•	Streptomyces				
		Fungi					
		•	Tillotia				
		Phytop	hthora and other comycetes				
		•	Synchytrium				
		Nemato	odes .				
		•	Bursaphelenchus				
		•	Cyst nematodes, root knot nematodes				
		Viruses	and virus-like organisms transmitted via nematode vectors				
		Insects	and mites				
		•	Anastrepha				
		<u> </u>				<u> </u>	

o a m r m a	mm ent typ	Comment	Explanation	Language	Country
		Diabrotica			
		Rhagoletis			
		Agromyzidae			
		Other fruit flies			
		Thrips (below ground part of life cycle)			
		Bark beetles			
		Molluses			
		Plants (beyond the intended plant)			
		Seeds and other propagules			
55 9	Sub	Bacteria and phytoplasmas	This list is not needed, is incomplete, it mixes different taxonomic entities, it includes pests that are not likely to		COSAVE,
7. 0	sta ntiv e		be associated with plants for planting, it is confusing		Paraguay, Chile, Argentina, Peru, Brazil
		Ralstonia			
		Streptomyces			

o	P Co mm ent	Comment	Explanation	Language	Country
m	a.typ n e				
П		Fungi			
		• Tilletia			
		Phytophthora and other comycetes			
		• Synchytrium			
		Nematodes			
		Bursaphelenchus			
		Cyst nematodes, root knot nematodes			
		Viruses and virus-like organisms transmitted via nematode vectors			
		Insects and mites			
		Anastrepha			
		Diabrotica			
		• Rhagoletis			
		Agromyzidae			
		Other fruit flies			

o m m	a mm	Comment	Explanation	Language	Country
		Thrips (below ground part of life cycle) Bark beetles Molluscs Plants (beyond the intended plant) Seeds and other propagules			
55 8.	9 Sub 0 sta ntiv e	Zactoria and priytopiacinac	This list is not needed, is incomplete, it mixes different taxonomic entities, it includes pests that are not likely to be associated with plants for planting, it is confusing	English	Ecuador, Mexico, OIRSA, Belize, Costa Rica
		Streptomyces Fungi Tilletia			
		Phytophthora and other oomycetes Synchytrium Nematodes			

P Co a mm r ent a.typ n e o		Explanation	Language	Country
	Bursaphelenchus			
	Cyst nematodes, root knot nematodes			
	Viruses and virus-like organisms transmitted via nematode vectors			
	Insects and mites			
	Anastropha			
	Diabrotica			
	Rhagoletis			
	Agromyzidae			
	Other fruit flies			
	Thrips (below ground part of life cycle)			
	Bark beetles			
	Molluses			
	Plants (beyond the intended plant)			
	Seeds and other propagules			
	<u>[</u>			

o a m r m a	mm ent typ		Explanation	Language	Country
	Sub sta	Bacteria and phytoplasmas	Delete. Depending on circumstances, nearly any plant pest could be present in growing media. Appendix does	English	Australia
9. (ntiv e	Agrobactorium	not help nor add anything to standard, nor is it refered to in body of text. The information is also too vague and does not provide enough detail to be useful. This		
		Ralstonia	appendix is also not referred to in the text body.		
		Streptomyces			
		Fungi			
		• Tilletia			
		Phytophthora and other comycetes			
		Synchytrium			
		Nematodes			
		Bursaphelenchus			
		Cyst nematodes, root knot nematodes			
		Viruses and virus-like organisms transmitted via nematode vectors			
		Insects and mites			
		Anastropha			

o m m	mm ent a.typ n e		Exp	olanation	Language	Country
		Diabrotica				
		• Rhagoletis				
		Agromyzidae				
		Other fruit flies				
		Thrips (below ground part of life cycle)				
		Bark beetles				
		Molluses				
		Plants (beyond the intended plant)				
		Seeds and other propagules				
56 0.	9 Sub 0 sta	Bacteria and phytoplasmas	con	e of the nematodes listed are virus vectors, should sider adding nematode examples that vector viruses. add viruses vectored in the soil by fungi.	•	United States of America
	ntiv e	Agrobacterium	niol	vada virases vectored in the son by fungt.		
		Ralstonia				

C P Co o a mr m r en m a. typ . n e n o o		Explanation	Language	Country
	Streptomyces			
	Fungi			
	• Tilletia			
	Phytophthora and other oomycetes	П		
	Synchytrium			
	Nematodes	П		
	Bursaphelenchus			
	Cyst nematodes, root knot nematodes			
	Viruses and virus-like organisms transmitted via nematode vectors			
	Insects and mites			
	Anastrepha			

o a m r	mm ent	Comment	Exp	olanation	Language	Country
	a.typ ne					
		Diabrotica				
		Rhagoletis				
		Agromyzidae				
		Other fruit flies				
		Thrips (below ground part of life cycle)				
		Bark beetles				
		Molluscs				
		Plants (beyond the intended plant)				
		Seeds and other propagules				
56	9 Sub 9 sta	Bacteria and phytoplasmas	Bec a m	ause Synchytrium is not a member of oomycetes but ember of Fungi. Phytophthora is a member of	English	Japan
	ntiv e	Agrobacterium	oom	lycetes.		

o a mm m r ent m a.typ . n e n o o	
Ralstonia	
Streptomyces	
Fungi	
Tilletia Synchytrium	
Phytophthoraand other oomycetes Oomycetes	
Synchytrium Phytophthora	
Nematodes	
Bursaphelenchus	
Cyst nematodes, root knot nematodes	
Viruses and virus-like organisms transmitted via nematode vectors	
Insects and mites	
Anastrepha	
Diabrotica	

C P o a m r m a n o	mm ent typ e	Comment	Exp	lanation	Language	Country
O		Rhagoletis				
		Agromyzidae				
		 Other fruit flies Thrips (below ground part of life cycle) 				
		Bark beetles				
		Molluscs				
		Plants (beyond the intended plant)				
		Seeds and other propagules				
56 9	Sub	Bacteria and phytoplasmas	Dele 89.	ete the whole table. Please see comment in paragraph	English	Canada
2. 0	ntiv e	Agrobacterium	09.			
		• Ralstonia				
		Streptomyces				
		Fungi				

C P Co o a mm m r ent		Explanation	Language	Country
m a.typ . n e n o o				
	• Tilletia			
	Phytophthora and other comycetes			
	Synchytrium			
	Nematodes			
	Bursaphelenchus			
	Cyst nematodes, root knot nematodes			
	Viruses and virus-like organisms transmitted via nematode vectors			
	Insects and mites			
	Anastrepha			
	Diabrotica			
	Rhagolotis			
	Agromyzidae			
	Other fruit flies			

		Comment	Exp	lanation	Language	Country
	mm ent					
	typ e					
n c						
o . .						
		Thrips (below ground part of life cycle)				
		Bark beetles				
		Molluses				
		Plants (beyond the intended plant)				
		Seeds and other propagules				
		table deleted	see	[89]	English	EPPO, Norway
3. 6	hni cal					
56 5	Tec hni	Bacteria and phytoplasmas	Fus The	arium is easy to spread associate with growing media. both genus of Phytophthora and Synchytrium are	English	China
	cal	Agrobacterium	belo	ng to Oomycetes and are easy to associate with wing media.		
		Ralstonia				
		Streptomyces				
		Fungi				
		Tilletia				
		• <u>Fusarium</u>				
		Phytophthora and other oomycetes				
		Synchytrium				

C P C		Comment	Explanation	Lang	guage	Country
m r e m a.t	ent					
n o						
0.						
		Phytophthora Synchytrium				
		Nematodes				
		Bursaphelenchus				
		Cyst nematodes, root knot nematodes				
		Viruses and virus-like organisms transmitted via nematode vectors				
		Insects and mites				
		Anastrepha				
		Diabrotica				
		Rhagoletis				
		Agromyzidae				
		Other fruit flies				
		Thrips (below ground part of life cycle)				
		ı				

o a m i m a	P Co a mm r ent a. typ n e		Explanation	Language	Country
		Bark beetles			
		Molluscs			
		Plants (beyond the intended plant)			
		Seeds and other propagules			
56	9 Tec	Bacteria and phytoplasmas	Fungi can also disseminate viruses	English	NEPPO
5.	0 hni cal	Agrobacterium			
		Ralstonia			
		Streptomyces			
		Fungi			
		Tilletia			
		Phytophthora and other oomycetes			
		Synchytrium			
		Nematodes			
		Bursaphelenchus			
		Cyst nematodes, root knot nematodes			

C P Co o a mm m r ent m a. typ . n e n o o	Comment	Explanation	Language	Country
	Viruses and virus-like organisms transmitted via nematode and other vectors			
	Insects and mites			
	Anastrepha			
	Diabrotica			
	Rhagoletis			
	Agromyzidae			
	Other fruit flies			
	Thrips (below ground part of life cycle)			
	Bark beetles			
	Molluscs			
	Plants (beyond the intended plant)			
	Seeds and other propagules			
56 9 Tec	Bactéries et phytoplasmes	pour un meilleur classement	Français	Mauritania
6. 0 hni cal	Agrobactérie			

		Comment	Explanation	Language	Country
	mm ent				
m a	.typ				
. n n o					
o.					
		Ralstonia			
		Streptomyces			
		Champignons,Bigarrure et autres oomycètes			
		Tilletia			
		Bigarrure et autres oomycètes			
		Synchytrium			
		Nématodes			
		Bursaphelenchus			
		Nématodes à kyste, nématodes à galle des racines			
		Virus et organismes pseudoviraux transmis par les nématodes			
		Insectes et acariens			
		Anastrepha			
		Diabrotica			
		Rhagoletis			

C P o a m r m a n o o.	mm ent typ	Comment	Explanation	Language	Country
		Agromyzidae Autres mouches des fruits			
		Thrips (sous terre pendant une partie du cycle biologique)			
		Scolytes Mollusques			
		Végétaux (autres que le végétal concerné) • Semences et propagules			
7. 0	Tec hni cal	table deleted	See [89].	English	European Union
56 <i>9</i> 8. <i>0</i>	Tec hni cal	Bacteria and phytoplasmas Agrobacterium	Because other organisms can transmit virus, for example some fungi as Olpidium spp.	English	Morocco
		Ralstonia Streptomyces			
		Fungi			

C P Co o a m m r er m a.ty . n e n o	n t	Explanation	Language	Country
	Tilletia			
	Phytophthora and other oomycetes			
	Synchytrium			
	Nematodes			
	Bursaphelenchus			
	Cyst nematodes, root knot nematodes			
	Viruses and virus-like organisms transmitted via nematode and other vectors			
	Insects and mites			
	Anastrepha			
	Diabrotica			
	Rhagoletis			
	Agromyzidae			
	Other fruit flies			
	Thrips (below ground part of life cycle)			

С	P	Со	Comment	Explanation	Language	Country
		mm				
m m		ent typ				
	n					
	0					
ο.	-					
			Bark beetles			
			Molluscs			
			Plants (beyond the intended plant)			
			Seeds and other propagules			
			I			