



KINGDOM OF CAMBODIA
Nation Religion King

DEPARTMENT OF AGRONOMY AND AGRICULTURAL LAND IMPROVEMENT (DAALI)

PLANT PROTECTION AND PHYTOSANITARY INSPECTION OFFICE

ENDEMIC AND QUARANTINE PESTS OF MANGO FRUIT OF CAMBODIA

(Based on Pest Surveillance in 2003 and some References)

1. ENDEMIC PEST LIST ON MANGO (*Mangifera indica*) IN CAMBODIA

Genus and species	Family	Order	Common name	Distribution	Parts affected	References
INSECTS						
<i>Aphis</i> sp	Aphididae	Homoptera	Aphids	Cosmopolitan	Fruit	Hill,D.S.1983
<i>Dacus dorsalis</i> (Hend.)	Tephritidae	Diptera	Oriental fruit fly	India,S.E.Asia	Fruit	White,I.M.1994
<i>Idiocerus niveosparrus</i> (Lethierry)	Cicadellidae	Homoptera	Mangohopper	India,S.E.Asia	Fruit	Hill,D.S.1983
<i>Noorda albizonaliis</i> Hampson	Pyralidae	Lepidoptera	Mango fruit borers	Asia	Fruit	OIRISA.1994
<i>Pseudococcus</i> spp.	Pseudococcidae	Homoptera	Mealy bug	Florida, Belgium, France, Spain	Fruit	Hill,D.S.1983
<i>Sternochetus mangiferae</i> (F.)	Curculionidae	Coleoptera	Mango seed weevil	Africa,Asia	Seed	Hill,D.S.1983
FUNGI						
<i>Alternaria alternata</i>	Dematiaceae	Moniliales	Fruit rot	Tropical	Fruit,leaf	Coates,L.1995
<i>Botryodiplodia theobromae</i>	Sphaeropsidaceae	Sphaeropsidales	Stem end rot	Tropical	Stem, fruit	Kwee,L.T. 1985
<i>Capnodium mangiferae</i>	Capnodiaceae	Dothideales	Sooty mold	Tropical	Leaf,stem & fruit flower	Kwee L. T. 1985
<i>Colletotrichum gloeosporioides</i>	Melanconiaceae	Melanconiales	Anthraxnose leaf spot	Tropical, sub-tropical	Leaf,stem & fruit flower	Kranz.J.1977
<i>Elsinoe mangiferae</i>	Elsinoeaceae	Myrianginales	Scab	Tropical, sub-tropical	Leaf, fruit	Kranz.J.1977
<i>Macrophoma mangiferae</i>	Sphaeropsidaceae	Sphaeropsidales	Fruit rot	Tropical	Leaf,branch,fruit	Weber G. 1973
<i>Meliola mangiferae</i>	Meliolaceae	Erysiphales	Black mildew	Tropical, sub-tropical	Leaf,stem & fruit flower	Kranz.J.1977
<i>Oidium mangiferae</i>	Moniliceae	Moniliales	Powdery mildew	Tropical, sub-tropical	Leaf,flower, small fruit	Kranz.J.1977
<i>Pestalotia mangiferae</i>	Melanconiaceae	Melanconiales	Brown spot	Tropical	Leaf, fruit	Weber G. 1973
<i>Phytophthora palmivora</i>	Pythiaceae	Peronosporales	Canker	In the warmer exception French,Gui	Stem,fruit	Kranz.J.1977
BACTERIA						
<i>Xanthomonas campestris</i> pv. <i>mangiferae</i>	Pseudomonadaceae		Bacterial black spot	Tropical, sub-tropical	Fruit	Bradbury 1986

2. CAMBODIAN QUARANTINE PEST LIST ON MANGO (*Mangifera indica*)

Genus and species	Family	Order	Common Name	Distribution	Plant Part Affected	References
<i>Aleurocanthus woglumi</i>	Aleyrodidae	Hemiptera	Citrus black fly	Thailand	Leaf, fruit, stem	CABI
<i>Aleurodicus dispersus</i>	Aleyrodidae	Hemiptera	Whitefly	Thailand	Fruit	CABI
<i>Anastrepha ludens</i>	Tephritidae	Diptera	Mexican fruit fly	Mexico	Fruit	http://www.google.com
<i>Anastrepha fraterculus</i>	Tephritidae	Diptera	South America fruitfly	South America	Fruit	http://www.google.com
<i>Atherigona orientalis</i>	Muscidae	Diptera	Maize shoot fly	Thailand	Fruit	CABI
<i>Bactrocera tsuneonis</i>	Tephritidae	Diptera	Citrus fruit fly	Japan, China, Philippine	Fruit	http://www.google.com
<i>Bactrocera carambolae</i>	Tephritidae	Diptera	Carambola fruit fly	Thailand	Fruit	CABI
<i>Bactrocera correcta</i>	Tephritidae	Diptera	Guava fruit fly	Thailand	Fruit	CABI
<i>Bactrocera cucurbitae</i>	Tephritidae	Diptera	Melon fruit fly	Australia, Thailand, S.America	Fruit	http://www.google.com
<i>Bactrocera cucurbitae</i>	Tephritidae	Diptera	Melon fruit fly	Thailand	Fruit	CABI
<i>Bactrocera dorsalis</i>	Tephritidae	Diptera	Oriental fruit fly	Thailand	Fruit	CABI
<i>Bactrocera papaya</i>	Tephritidae	Diptera	Papaya fruit fly	Thailand	Fruit	CABI
<i>Bactrocera passiflorae</i>	Tephritidae	Diptera	Fijian fruit fly	Thailand	Fruit	CABI
<i>Bactrocera tryoni</i>	Tephritidae	Diptera	Queensland fruitfly	Australia	Fruit	http://www.google.com
<i>Bactrocera tuberculata</i>	Tephritidae	Diptera	-	Thailand	Fruit	CABI
<i>Bactrocera umbrosa fabricius</i>	Tephritidae	Diptera	-	Thailand	Fruit	CABI
<i>Bactrocera zonata</i>	Tephritidae	Diptera	Fruit fly	Thailand	Fruit	CABI
<i>Botryosphaeria ribis</i>	Botryosphaeriaceae	Dothideales	Stem brown/fruit rot	Thailand	Fruit, stem	CABI
<i>Ceratitis capitata</i>	Tephritidae	Diptera	Mediterranean fruit fly	Mediterranean	Fruit	http://www.google.com
<i>Ceratitis cosyra</i>	Tephritidae	Diptera	Mango fruit fly	Australia	Fruit	http://www.google.com
<i>Ceratitis rosa</i>	Tephritidae	Diptera	Natal fruit fly	USA	Fruit	http://www.google.com
<i>Ceratocystis paradoxa</i>	Ophiostomataceae	Ophiostomatales	Fruit rot of banana/stem	bleeding	Stem, fruit	CABI
<i>Ceroplastes ruben</i>	Coccididae	Homoptera	-	Tropic, sub-tropic	-	Y-I Pomazkov, 1989
<i>Cocus mangifera</i>	Coccididae	Homoptera	-	Tropic, sub-tropic	-	Y-I Pomazkov, 1989
<i>Deanolis albizonalis</i>	Pyralidae	Lepidoptera	Mango fruit borer	Thailand	Fruit, seed	CABI
<i>Drosophila melanogaster Meigen</i>	Drosophilidae	Diptera	-	Thailand	Fruit	CABI
<i>Erosomyia mangiferae</i>	Cecidomyiidae	Diptera	Mango gall midge	Thailand	Fruit	CABI
<i>Eudocima fullonia</i>	Noctuidae	Lepidoptera	Fruit sucking moth	Thailand	Fruit	CABI
<i>Gloeosporium mangifera</i>	Melanconiaceae	Melanconiales	Anthraxnose	Tropic, sub-tropic	-	Y-I Pomazkov, 1989
<i>Icerya aegyptiaca</i>	Margarodidae	Hemiptera	Bread fruit mealbug	Thailand	Fruit	CABI
<i>Idiocerus attinsoni</i>	Cicadellidae	Homoptera	Hopper	Tropic, sub-tropic	-	Y-I Pomazkov, 1989
<i>Idiocerus clypealis</i>	Cicadellidae	Homoptera	Hopper	Tropic, sub-tropic	-	Y-I Pomazkov, 1989
<i>Maconellicoccus hirsutus</i>	Pseudococcidae	Hemiptera	Grapevine mealy bug	-	Fruit	http://www.google.com
<i>Morganella longispina</i>	Diaspididae	Hemiptera	Plumose scal	-	-	http://www.google.com
<i>Nipaecoccus viridis</i>	Pseudococcidae	Hemiptera	Spherical meal bug	-	Fruit	http://www.google.com
<i>Panonychus ulmi</i>	Tetranychidae	Acarina	Eropean red mite	Widespread	Fruit nut	http://www.google.com
<i>Planococcus citri</i>	Pseudococcidae	Hemiptera	Citrus mealy bug	-	Fruit	http://www.google.com
<i>Planococcus lilacinus</i>	Pseudococcidae	Hemiptera	Coffee mealy bug	-	Fruit	http://www.google.com
<i>Pseudothraupis wayi</i>	Coreidae	Hemiptera	Coconut bug	Tropic, sub-tropic	Fruit	Y-I Pomazkov, 1989
<i>Pulvinaria psidii</i>	Chloropidae	Diptera	Guava mealy scale	Thailand	Fruit	CABI
<i>Radionaspis indica</i>	-	-	Mealy bugs	-	-	http://www.google.com
<i>Radopholus similis</i>	Tylenchidae	Tylenchida	Burrowing nematode	India	Fresh fruit, leaf	http://www.google.com
<i>Saissetia coffeae</i>	Coccididae	Hemiptera	Brown scale	Thailand	Fruit	CABI
<i>Selenotrips rubrocinctus</i>	Tripidae	Tysanoptera	-	Tropic, sub-tropic	-	Y-I Pomazkov, 1989
<i>Sternochetus mangiferae</i>	Cucurliionidae	Coleoptera	Mango seed weevil	Thailand	Seed	CABI

3. The owner plant quarantine materials importing into the Kingdom of Cambodia shall respect to phytosanitary condition as follows:

- 3.1. The materials must be accompanied with a phytosanitary certificate issued by Plant Quarantine Authority of country-exporter in model stipulated in International Plant Protection Convention (New revised Text 1999).
- 3.2. The materials must be free from plant quarantine pests and other dangerous pests of the Kingdom of Cambodia. In case of materials has damaged by the above pests, the phytosanitary treatment (includes selecting, eliminating, re-processing, and cleaning, decontaminating, retaining) shall be took place prior importing.
- 3.3. Cambodian plant quarantine authority keep it right to ask for returning back to the place of origin or destroying plant quarantine materials in case of serious damage that could not be treated.

SEEN AND AGREED
DIRECTOR OF DAALI

PHNOM PENH, 15 JULY 2003
CHIEF OF PLANT PROTECTION & PHYTOSANITARY OFFICE

PEN VUTH

DR. HEAN VANHAN