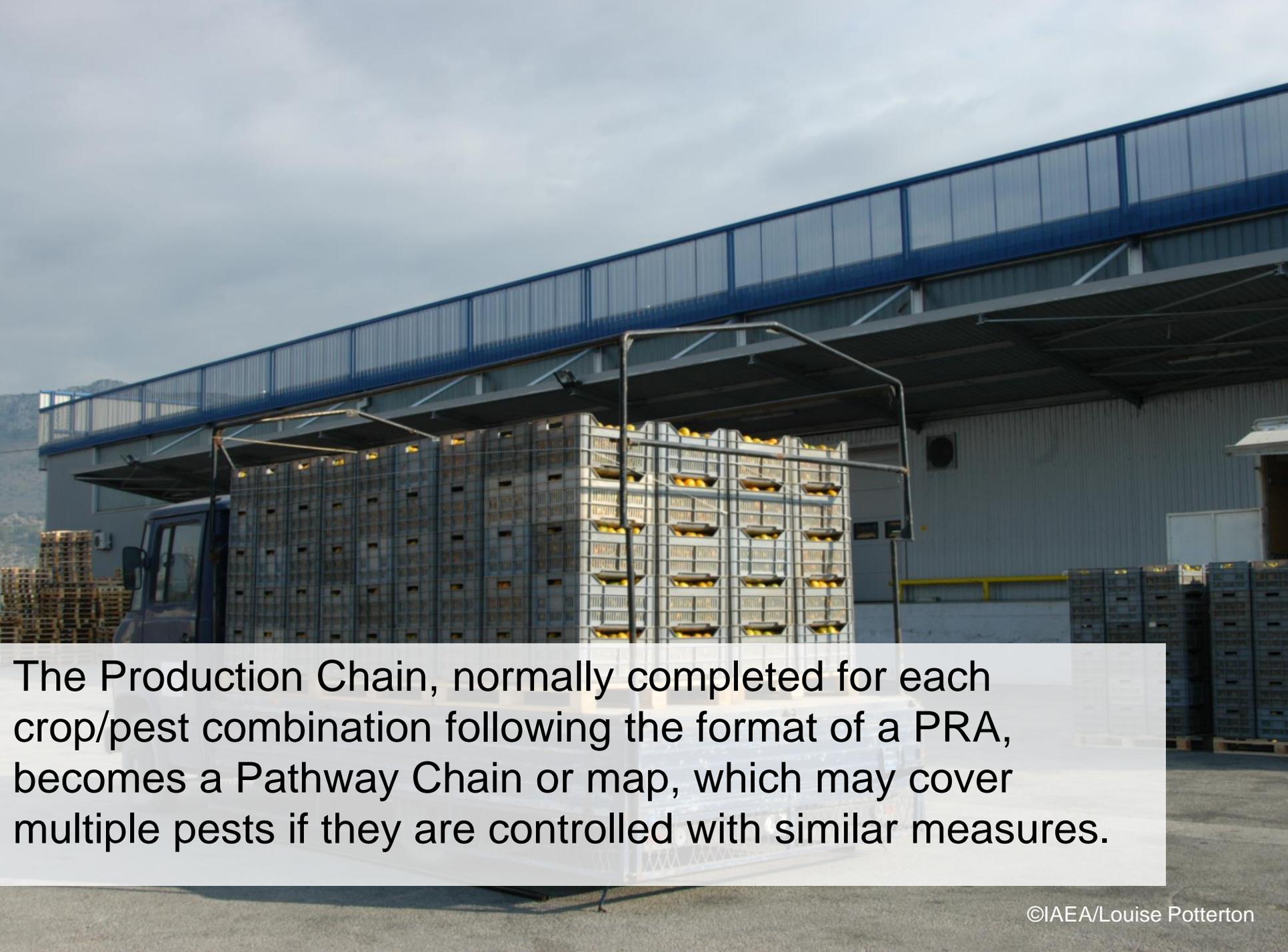




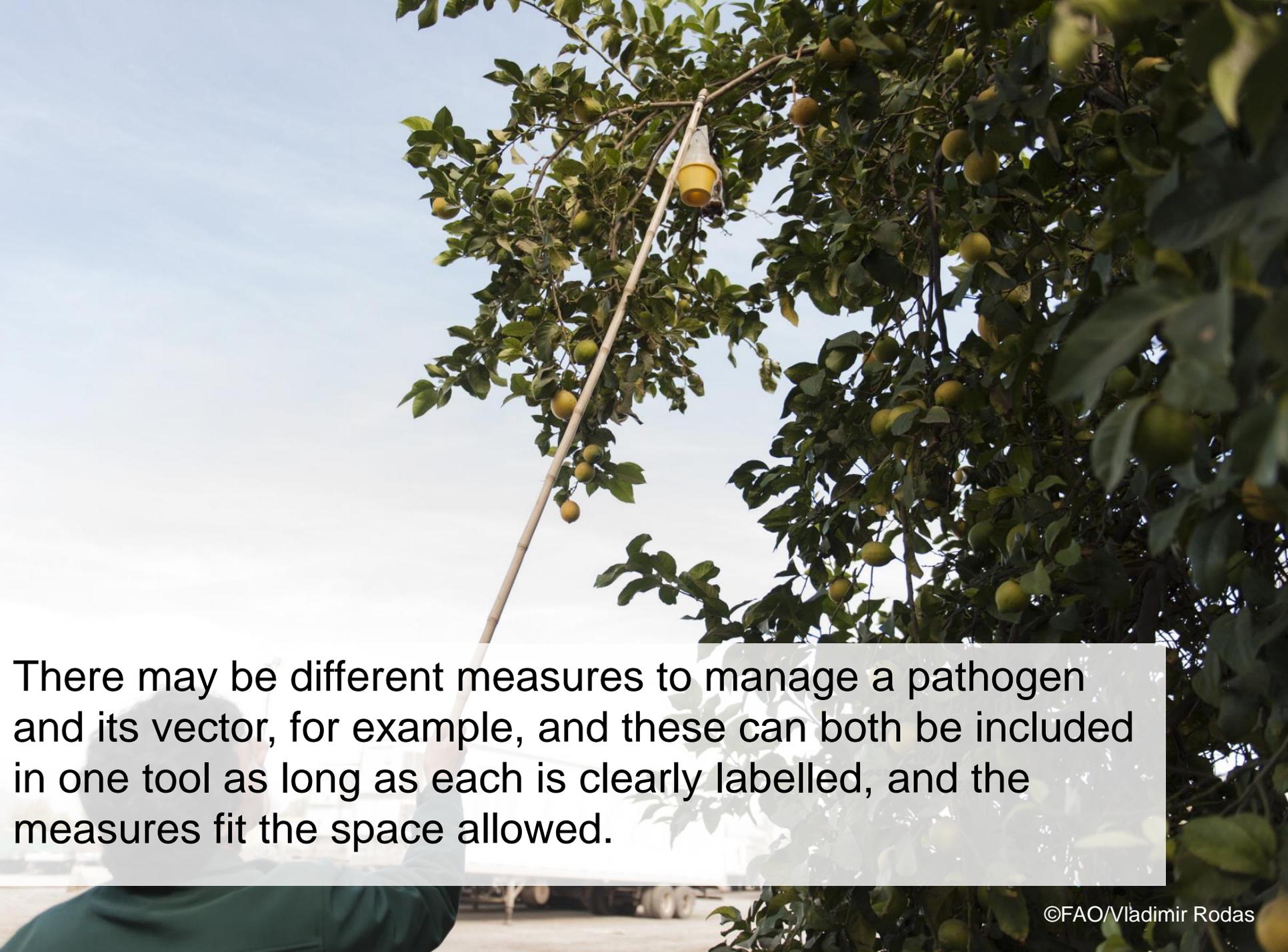
A Systems Approach can be used to manage high risk pathways with a combination of measures. In this case, the Systems Approach online tools can be adapted by renaming the stages (time and places where actions are taken) directly in the Excel-based template you save on your computer.

A large industrial building with a blue roof and a forklift carrying a pallet of yellow crates. The building has a corrugated metal exterior and a blue metal roof. The forklift is carrying a pallet of yellow crates, which are stacked in a grid pattern. The crates are filled with yellow objects, possibly produce. The scene is set outdoors, with a cloudy sky and some hills in the background.

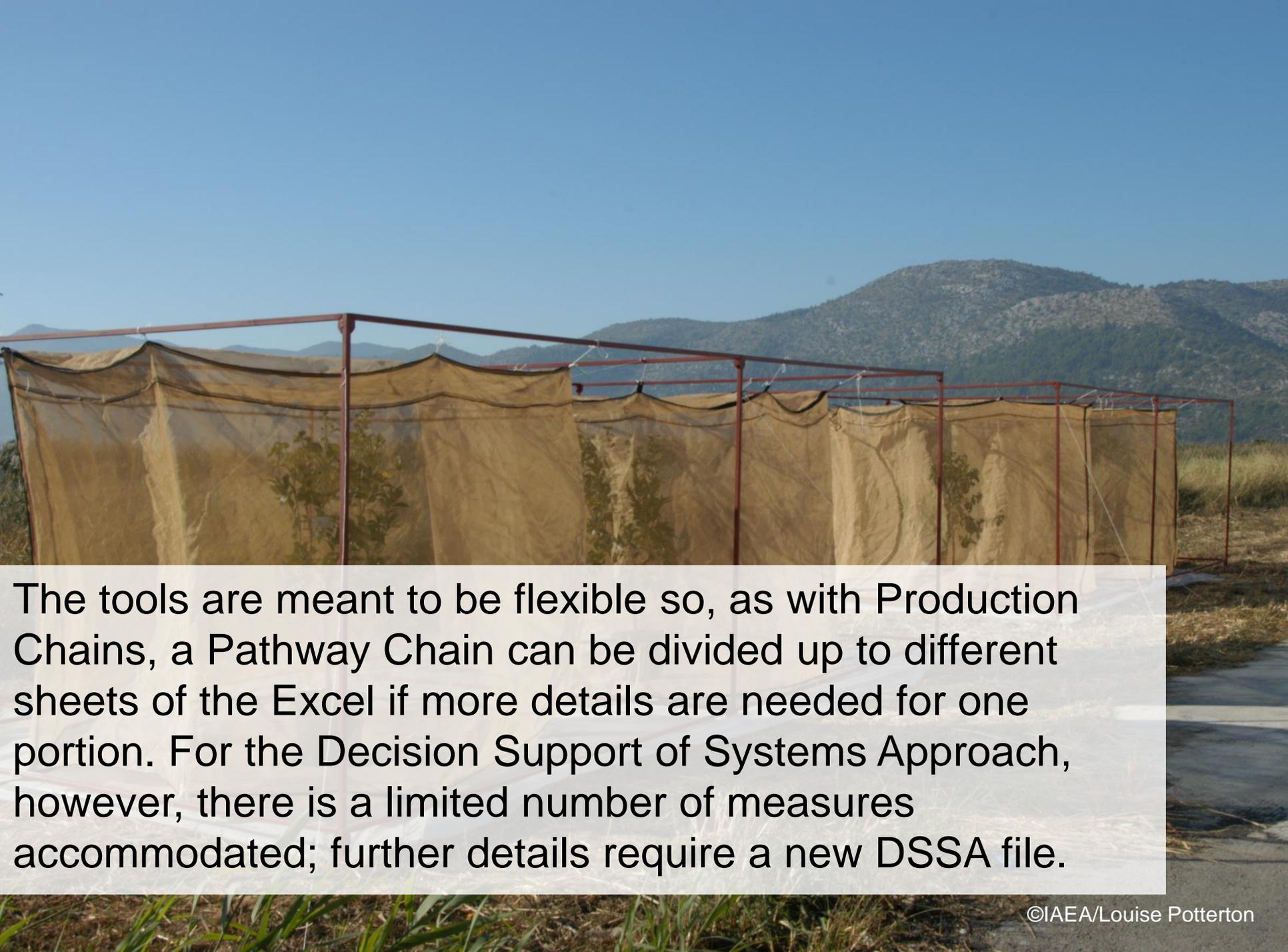
The Production Chain, normally completed for each crop/pest combination following the format of a PRA, becomes a Pathway Chain or map, which may cover multiple pests if they are controlled with similar measures.



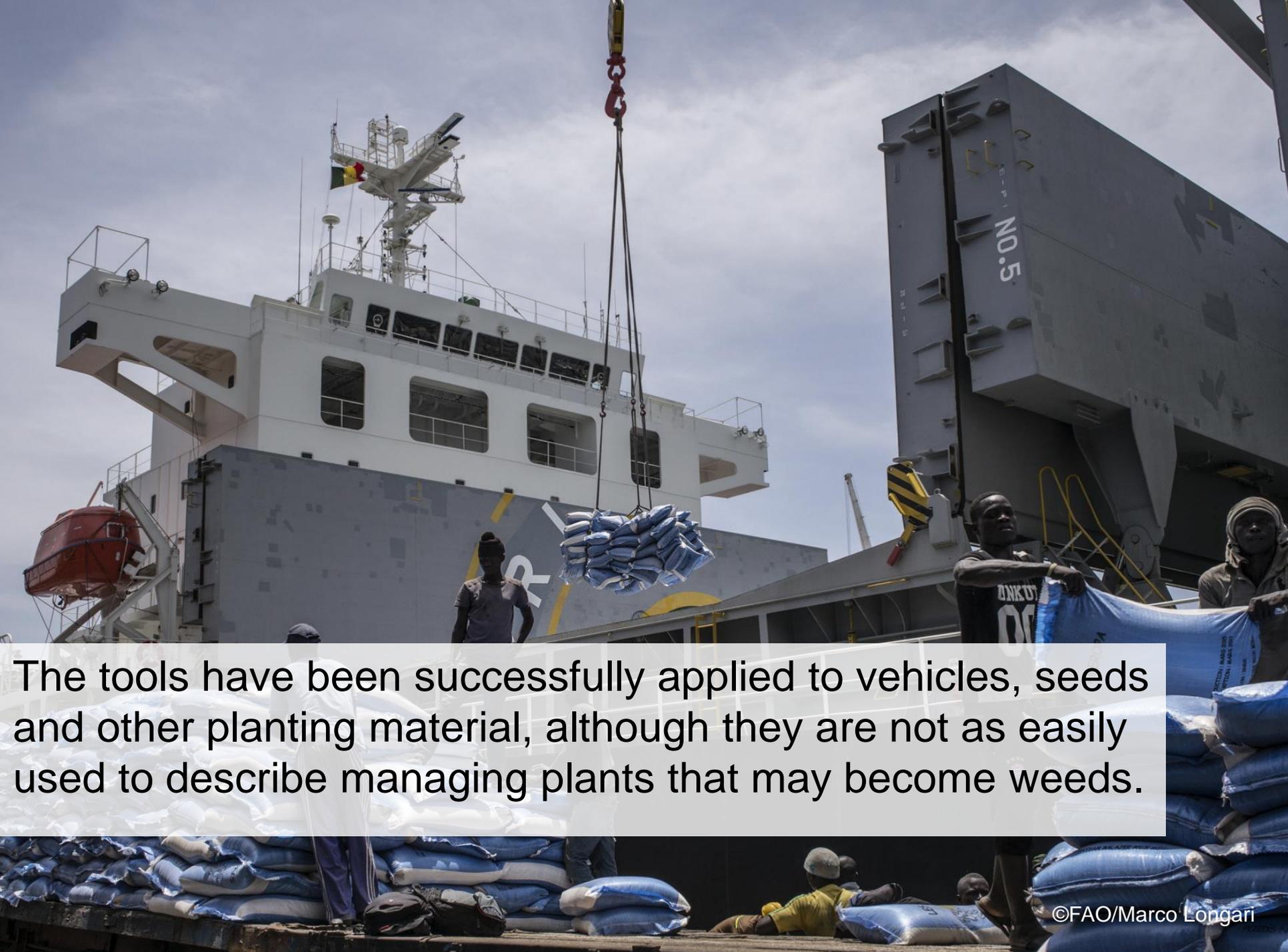
It is important when considering a Pathway to discuss and define which risk you are working on, which then informs the exact objective of each measure.

A person wearing a green protective suit is using a long bamboo pole to reach into an orange tree. The pole has a yellow container attached to it, which is positioned near a branch of the tree. The tree is filled with green leaves and several ripe, yellow-orange fruits. The background is a clear blue sky.

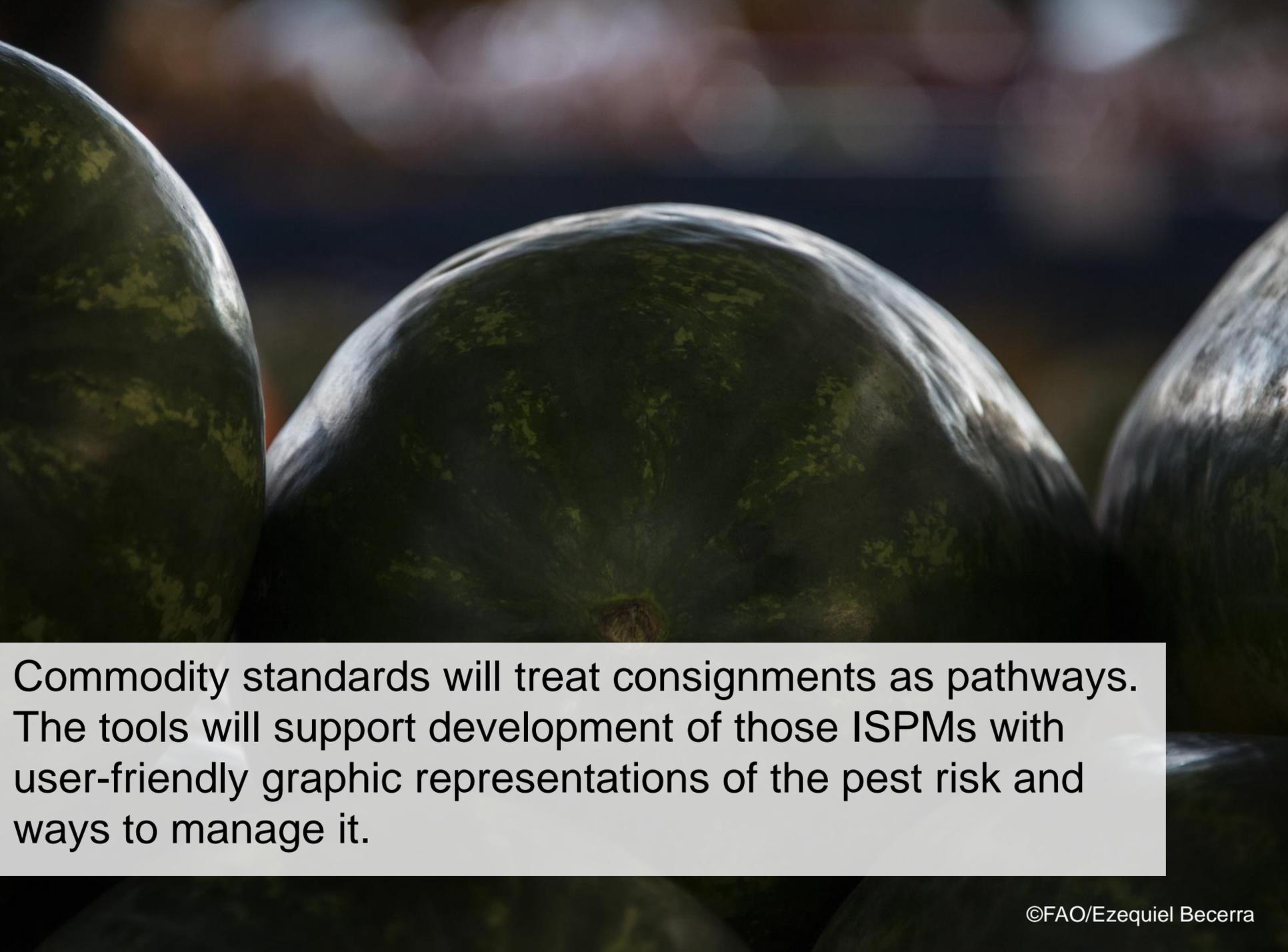
There may be different measures to manage a pathogen and its vector, for example, and these can both be included in one tool as long as each is clearly labelled, and the measures fit the space allowed.



The tools are meant to be flexible so, as with Production Chains, a Pathway Chain can be divided up to different sheets of the Excel if more details are needed for one portion. For the Decision Support of Systems Approach, however, there is a limited number of measures accommodated; further details require a new DSSA file.



The tools have been successfully applied to vehicles, seeds and other planting material, although they are not as easily used to describe managing plants that may become weeds.



Commodity standards will treat consignments as pathways. The tools will support development of those ISPMs with user-friendly graphic representations of the pest risk and ways to manage it.