

2021 Summary of Priority Pest List Changes

Each year, Science and Technology (S&T) evaluates and updates the Priority Pest List for CAPS and Plant Protection Act 7721 Goal 1 (PPA 7721) early detection surveys. For more information see the [Development of the Priority Pest List](#).

In 2021, the Economic and Environmental Importance (EEI) list and Additional Pests of Concern (APC) list are discontinued. The EEI list represented organisms on the Priority Pest List that had been evaluated using the Objective Prioritization of Exotic Pests (OPEP) Impact Assessment model and found to belong in Category 1 (high and some moderate impact pests). As of 2021, the Priority Pest List has been fully evaluated. The APC list represented organisms that were evaluated using the OPEP Impact Assessment model and did not score high enough to be placed on the Priority Pest List. In 2021, pests in Category 2 (moderate) were removed from the Priority Pest List, which eliminated the need for the APC list.

In total, 32 pests were removed, including 25 from the 2021 Priority Pest List and seven with the discontinuation of the APC list. One new pest (*Magnaporthe oryzae* Triticum pathotype) was added to the Priority Pest List.

Organisms removed from the Priority Pest List are still available for bundled surveys unless indicated otherwise. Review [Guidance for Bundling Former Priority Pests](#) for more information.

I. Commodity and Taxonomic Pest Lists

Corn

Removed

- *Chilo partellus* (Spotted stem borer): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Peronosclerospora maydis* (Java downy mildew): This organism currently lacks a diagnostic method for species screening and confirmation. Not approved for bundling.
- *Spodoptera litura* (Cotton cutworm): Corn is not a major host of this organism.

Cotton

Removed

- *Spodoptera littoralis* (Egyptian cottonworm): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Cyst Nematode

Removed

- *Heterodera cajani* (Pigeonpea cyst nematode): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Exotic Wood Borer/Bark Beetle (EWB/BB)

Removed

- *Agrilus planipennis* (Emerald ash borer): This organism is widespread in the United States.
- *Anoplophora chinensis* (Citrus longhorned beetle): This organism currently lacks an effective survey method. Not approved for bundling.
- *Callidiellum villosulum* (Brown fir longhorned beetle): There is not enough information to predict the likelihood of impacts in the United States. It is not a pest in its native range and has not been introduced outside of its native range.
- *Dendroctonus micans* (Great spruce bark beetle): This organism currently lacks an effective survey method. Not approved for bundling.
- *Monochamus alternatus* (Japanese pine sawyer): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Pityogenes chalcographus* (Six-toothed spruce bark beetle): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Tomicus destruens* (Mediterranean pine shoot beetle): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Trypodendron domesticum* (European hardwood ambrosia beetle): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Grape

Removed

- *Eupoecilia ambiguella* (European grape berry moth): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Oak

Removed

- *Raffaelea quercivora* (Japanese oak wilt): This organism currently lacks diagnostic methods for species screening and confirmation. Not approved for bundling.

- *Trypodendron domesticum* (European hardwood ambrosia beetle): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Palm

Removed

- *Aspidiotus rigidus* (False coconut scale): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Darna pallivata* (Nettle caterpillar): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Haplaxius crudus* (American palm cixiid): This organism is present in the United States and is not federally regulated.
- *Raoiella indica* (Red palm mite): This organism is present in the United States.

Pine

Removed

- *Dendroctonus micans* (Great spruce bark beetle): This organism currently lacks an effective survey method. Not approved for bundling.
- *Monochamus alternatus* (Japanese pine sawyer): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Tomicus destruens* (Mediterranean pine shoot beetle): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Small Grains

Added

- *Magnaporthe oryzae* Triticum pathotype (Wheat blast)

Removed

These organisms were evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

- *Anguina tritici* (Wheat seed gall nematode)
- *Spodoptera littoralis* (Egyptian cottonworm)

Solanaceous Hosts

Removed

These organisms were evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

- *Meloidogyne fallax* (False Columbia root-knot nematode)
- *Spodoptera littoralis* (Egyptian cottonworm)

Soybean

Removed

- *Spodoptera littoralis* (Egyptian cottonworm): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Stone Fruit

Removed

- *Bactrocera zonata* (Peach fruit fly): Fruit fly pest survey is supported by the PPQ Fruit Fly Program.
- *Leucoptera malifolia* (Pear leaf blister moth): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.
- *Monilinia fructigena* (Brown rot, Apple brown rot): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

Tropical Hosts

Removed

- *Ceratocystis manginecans* (Mango sudden decline): This organism currently lacks a diagnostic method for species confirmation. Not approved for bundling
- *Neofusicoccum mangiferae* (Mango fruit rot): This organism was evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List.

II. Pests of Economic and Environmental Importance

The Pests of Economic and Environmental Importance (EEI) list is discontinued.

III. Additional Pests of Concern

The Additional Pests of Concern list is discontinued.

Removed

- *Ditylenchus angustus* (Rice stem nematode)
- *Erwinia pyrifoliae* (Asian pear blight)
- *Mamestra brassicae* (Cabbage moth)
- *Nepovirus Tomato black ring virus* (Tomato black ring, TBRV)
- *Phytophthora austrocedrae* (Mal del ciprés, Cypress mortality)

- *Pieris brassicae* (Large white butterfly)
- *Unaspis yanonensis* (Arrowhead scale)

All of these organisms were evaluated using the OPEP Impact Assessment model and scored below the threshold to be included in the Priority Pest List. All are approved for bundling.

IV. Pest Name Changes

No changes to taxonomy or common names.

V. Host Matrix changes

The Host Matrix is a tool for identifying targets for bundled survey by pest or host. It is available in a searchable online table or a downloadable spreadsheet on the [CAPS Resource and Collaboration website](#). The [Host Matrix](#) is updated annually to reflect changes in the Priority Pest List. The following changes were made to the 2021 matrix:

Changes to hosts of Priority Pests

Removed

There is no direct evidence to support these commodities as preferred hosts of the respective pests.

- *Chrysodeixis chalcites* – tobacco
- *Helicoverpa armigera* – pumpkin/squash/zucchini
- *Rhabdoscelus obscurus* – new world palm/palmetto, palm (Tree and Shrub Hosts)
- *Spodoptera litura* – alfalfa, apple, cocoa, canola, chickpea, corn, cowpea, kale/collards, mulberry, onion, rice, sorghum, strawberry, sunflower, sweet potato
- *Thaumatotibia leucotreta* – sorghum
- *Thaumetopoea pityocampa* – cedar

Added

Crociosema aporema – alfalfa and beans

Host Commodities Removed from Matrix

These commodities are not a preferred host of any pest on 2021 Priority Pest List.

- Carrot
- Cedar
- Cypress
- Hazel
- Juniper
- Kale
- Lettuce
- Mango
- Onion
- Rye
- Spinach
- Sweet potato