

Australia's National Priority Plant Pests (NPPPs)

The Plant Health Committee has identified National Priority Plant Pests (NPPP) that are exotic to Australia, under eradication, or have limited distribution and are under official control. Our NPPP highlights the threats Australia faces from plant pests and diseases. The NPPP guides national action and investment of public funds to address these threats. This effort often has broader benefits to the system than just in preparedness for the specific pest or disease. While by no means the only plant pests of biosecurity concern, the NPPP serve to highlight the sort of threats Australia faces.

Indicators

- Some species present in Australia (including external territories), with limited distribution and under official control
- Strains and biotypes present in Australia
- Species within the genus present in Australia
- Also listed in the National Priority List of Exotic Environmental Pests, Weeds and Diseases (EEPL)



1

Xylella & exotic vectors

Over 700 plant host species including native, commercial and ornamental plants



2

Khapra beetle

Dried plant or animal products, grains, rice, oilseeds, dried fruits



3

Spotted wing drosophila

Berries, cherries, peaches, nectarines, apricots, plums, prunes and grapes; apples, pears and other fruit with thicker skins once fruit begins to rot



4

Fruit flies (exotic)

Berries, citrus, avocado, mango, papaya, passionfruit, melon, olive, summerfruit, lychees, cherries, apples and pears, and grapes



5

Karnal bunt

Wheat, durum wheat, triticale



6

Huanglongbing & vectors

Commercial varieties of citrus, especially oranges, mandarins and tangelos as well as related ornamentals



7

Spongy moth

More than 1000 plant species including eucalypts and pine forests, fruit and nut trees



8

Stink bugs (exotic)

Over 300 agricultural and ornamental plant species; our way of life



9

Mites of bees (Apis spp.)

Australia's bees and the pollination services they provide to certain crops



10

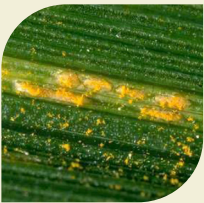
Myrtle (eucalyptus) rust (exotic strains)

Over 100 known host plant species, mainly from the Myrtaceae family; eucalypt plantations, native forests and urban plantings



Banana phytoplasma diseases

Bananas, coconut



Barley stripe rust (exotic strains)

Barley



Bees (Apis spp.) (exotic species)

Australia's honey bees and the crops that they pollinate



Begomovirus & vectors (exotic strains & species)

Fibre, grain, vegetable and fruit crops including cotton, amaranth, soybeans, beans, cassava, potatoes, tomatoes, chilli, passionfruit, melon and papaya; nurseries



Blood disease & moko disease of bananas

Bananas (including plantains) and Heliconia species



Bursaphelenchus spp. and exotic sawyer beetle vectors

Plantation forest and ornamental trees including pine, larch and spruce; palm species including oil, date and coconut



Candidatus Liberibacter solanacearum complex

Crops including potato, tomato, carrot, capsicum and chillies



Citrus canker

Commercial citrus species and related plants



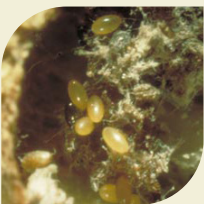
Dutch elm disease

Elm trees in our cities, parks and gardens; garden and nursery industry



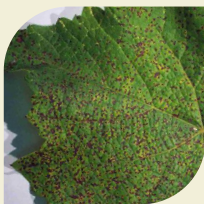
Fire blight

Plants in the family Rosaceae, including apple, pear, hawthorn, quince, loquat, rose



Grape phylloxera

Grapevines



Grapevine leaf rust

Grapevines



Invasive snails (exotic species)

Over 500 plant species including fruit and vegetables; nurseries and rice; natural environment and humans



Longhorn beetles (Anoplophora spp.) (exotic species)

Many trees including apple, pear, citrus, walnut, stonefruit; many ornamental hardwood trees, freshly cut logs/timber with bark, some native trees



Panama disease

Bananas



Phytoplasmas 16Srl group

Many vegetable crops including carrot, lettuce, onion and spinach; grains including canola, wheat and barley; forestry and flowers, including the daisy (aster) family



Pine pitch canker

Pines including Australia's pine plantations



Plum pox virus

Stone fruit crops including plums, peaches, apricots, nectarines; cherries and almonds; related ornamentals



Potato cyst nematode (exotic strains)

Plants in the Solanaceae family including potato, tomato and eggplant



Potato late blight (exotic strains)

Potato, tomato and related species including eggplant



Southern armyworm

Alfalfa, barley, buckwheat, clover, cotton, maize, millet, peanut, sugarbeet, soybean, sugarcane, tobacco, wheat, apple, grape, orange, papaya, peach, strawberry and a number of flowers, weeds and grasses



Spotted lantern fly

More than 100 plant species from 33 families, including grapevine, apple, peach, black cherry, rose, poplar, maple, beech, and oak



Stem borers of sugarcane and cereals (Chilo spp.) (exotic species)

Sugarcane, rice, sorghum and corn



Sudden oak death (airborne Phytophthora spp.)

Forest species, avocado, ornamentals, chestnut, hazelnut, macadamia, blueberry, and production nurseries; native species and forestry



Texas root rot

Thousands of plant species; cotton, grapes, fruit trees, forest trees, alfalfa, cherry, grains, soybean, lucerne and ornamental plants



Tobamoviruses (exotic strains)

Many vegetable crops including melons, squash, tomatoes, potatoes, and capsicum



Ug99 wheat stem rust

Grain (wheat, barley, oats and rye)



Scan for more information