

## NEPDN- Significant Agent listing

Significant Agents are defined as plant pathogens, insects, nematodes, and weeds deemed hazardous to our regional agricultural and natural ecosystems. Although many of these organisms are established in the United States, they have the potential to cause significant damage in the Northeast Region. We wish to identify these pathogens and pests so that we can provide members of the network with timely information about their presence or spread within the Northeast. When an identification of one of the following organisms is made, diagnosticians will notify other regional network members, via the regional list-serve, of the finding. Regions will compile electronic fact sheets and informational websites and link them to their regional websites. To keep the list manageable we hope to limit it to 20-30 agents. Organisms already on the Agricultural Bioterrorism Select Agent listing need not be included on this listing.

\* after the name means it is a Federally Regulated Organism.

### Pathogens

1. Thousand Cankers, *Geosmithia morbida*
2. Bacterial ring rot/ canker, *Clavibacter michiganensis* subsp. *michiganensis*
3. Golden Nematode, *Globodera rostochensis* \*
4. Potato Mop Top, *Mop Top Virus* \*
5. Sudden Oak Death/Ramorum Blight, *Phytophthora ramorum* \*
6. Chrysanthemum White Rust, *Puccinia horiana* \*
7. Karnal Bunt, *Tilletia indica* \*
8. Soybean Rust, *Phakopsora pachyrhizi* \*
9. Plum Pox, *Plum Pox Virus* \*
10. Late Blight, *Phytophthora infestans*

### Insects

11. Emerald Ash Borer, *Agrilus planipennis* \*
12. Asian Longhorned Beetle, *Anoplophora glabripennis* \*
13. Brown marmorated stink bug, *Halyomorpha halys*
14. Bemisia tabaci biotype Q
15. Winter Moth, *Operophtera brumata*
16. Sirex Wood Wasp, *Sirex noctilio*
17. Swede Midge
18. European Crane Flies
19. Asian Gypsy Moth
20. Leek Moth, *Acrolepiopsis assectella*
21. SpottedWing Drosophila, *Drosophila suzukii*

### Weeds

22. Giant Hogweed, *Heracleum mantegazzianum* \*
23. Black Swallow-wort and Pale Swallow-wort, *Cynanchum nigrum* and *C. rossicum*
24. Water Chestnut, *Trapa natans*
25. Japanese Stilt Grass, *Microstegium vimineum*
26. Mile-a-minute, *Polygonum perfoliatum*

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