

## **Kentucky's List of Plant-Related Pests of Significant Concern**

Any pest on the USDA-APHIS-PPQ list of "exotic" or "significant regulatory pests" is of significant concern. The APHIS-regulated list can be found at the following national website <http://www.aphis.usda.gov/ppq/pestlist/>

In addition, the following are of special concern to the Commonwealth if introduced and/or they become established in Kentucky:

### **Pathogens:**

Soybean rust - *Phakospora pachyrhizi*

Exotic corn downy mildews - *Sclerophthora rayssiae* var. *zeae*, *Peronosclerospora phillippiensis*,

*Peronosclerospora sacchari*, and *Peronosclerospora maydis*

*Ralstonia solanacearum* -any race or biotype but especially race 3, biovar 2

Sudden oak death (*Phytophthora ramorum*)

Plum pox- *Plum Pox Virus*

Karnal bunt - *Tilletia indica*

Potato Virus Y- necrotic strains (N and NT strains)

New *Phytophthora*'s (species or races) on tobacco

Tobacco blue mold -*Peronospora tabacina*, (especially new fungicide-resistant strains)

New Tospo Viruses

*Epichloe typhina* in additional cool seasons grasses ( such as orchard grass)

### **Nematodes:**

Tobacco cyst nematode -*Globodera tabacum*

Corn cyst nematode -*Heterodera zeae*

Soybean cyst nematode- new race/HG-types- *Heterodera glycines*

### **Insects:**

Emerald ash borer - *Agrilus planipennis*

Asian longhorn beetle - *Anoplophora glabripennis*

Russian wheat aphid- *Diuraphis noxia*

Blue alfalfa aphid -*Acyrtosiphon kondoi*

Spotted alfalfa aphid - *Therioaphis maculata*

Silverleaf whitefly -*Bemisia argentifolii*

Pink hibiscus mealybug - *Maconellicoccus hirsutus*

### **Weeds:**

Tropical soda apple- *Solanum viarum*

Cogongrass -*Imperata cylindrica*

Rigid Ryegrass -resistant strains- *Lolium rigidum*

There are many other exotic/invasive weedy species of great concern that have already become established and are displacing native species.