

CAPS Surveys 2011

In 2011 Ohio will continue to perform commodity-based surveys, as well as bundled surveys for the CAPS program. As part of the 2011 CAPS program the Ohio Dept. of Agriculture in cooperation with Ohio State University Extension will conduct a corn commodity trapping survey. This will be the first year of a two year corn survey. Also as part of the 2011 CAPS program the Ohio Dept. of Agriculture Plant Pest Control section will conduct a Bundled Nursery Survey. This will be the second year for the Bundled Nursery Survey.

Corn Commodity Survey:

Corn (*Zea mays*) is an annual crop in the Poaceae family. The major corn growing region of Ohio is the western half of the state although the crop can be found throughout the state. In 2009 Ohio ranked 8th in the US in corn production with 3,140,000 acres planted, 546,360,000 bushels produced with a yield of 174 bushels per acre.

Silver Y moth (*Autographa gamma*), Old World Bollworm (*Helicoverpa armigera*), Egyptian Cottonworm (*Spodoptera littoralis*), Rice Cutworm (*Spodoptera litura*), Asiatic Rice Borer (*Chilo suppressalis*), Asian Corn Borer (*Ostrinia furnacalis*), and False Codling Moth (*Thaumatotibia leucotreta*) will be surveyed as a corn commodity survey. None of the pests listed is known to occur in the U.S.

The goals of this survey are to trap for these pests to 1) detect their presence if they do occur in the state and 2) demonstrate the absence of these pests by negative trapping results. Pheromone traps will be set and maintained at six corn fields in six Ohio counties distributed throughout the central, north central and northwestern parts of the state.

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Bundled Nursery Survey:

Ohio has approximately 1,100 licensed nurseries (~18,000 acres) and 4,800 licensed dealers throughout the state, with the heaviest concentration of nurseries located in Lake county on Lake Erie. Due to budgetary constraints the survey will consist of fewer pests than the 2010 survey. The survey will consist of four pests (three insects and one disease); three pests are of national concern (OSB, PGM, SPBR) and one is of state concern (VLB).

Oak Splendour Beetle (*Agrilus biguttatus*): visual surveys of oak species will be conducted during nursery and dealer inspections. Where appropriate, adjacent wooded environs will also be surveyed.

Pink Gypsy Moth (*Lymantria mathura*): pheromone traps will be set in approximately 26 nurseries throughout the state.

Scots Pine Blister Rust (*Cronartium flaccidum*): visual surveys of *Pinus sylvestris*, other 2-needle pines, and alternate hosts in the genera *Paeonia*, *Impatiens*, *Delphinium*, *Asclepias*, *Myrica*, and *Tropaeolum* will be conducted during nursery and dealer inspections.

Viburnum Leaf Beetle (*Pyrrhalta viburni*): visual surveys for viburnum leaf beetle will be conducted in nurseries. As time permits, survey of native and residential plantings will be conducted with the goal of delimiting the infestations in the northeast corner of the state.