

CAPS Surveys for 2010

The format for CAPS surveys continues to evolve to better suit the needs of the states. In addition to specific commodity based surveys, bundled surveys allow the states to tailor their surveys to meet the pest detection needs of the state and make more efficient use of available manpower. As part of the 2010 CAPS program the Ohio Dept. of Agriculture in cooperation with Ohio State University Extension will conduct a soybean commodity trapping survey for a second year. Also as part of the 2010 CAPS program the Ohio Dept. of Agriculture Plant Pest Control section will conduct a Bundled Nursery Survey. The Bundled Nursery Survey consists of pests determined to be of national concern, but also includes pests of concern to Ohio but not necessarily the rest of the U.S. The Bundled Nursery Survey will be conducted primarily in the nursery and dealer settings and will be conducted by Plant Pest Control Specialists during regular nursery and dealer inspections. This approach optimizes the available work force since the specialists conducting the survey are also performing nursery inspections as part of their regular duties.

Soybean Commodity Survey:

Soybean (*Glycine max*) is an annual crop in the Leguminosae family. The major soybean growing region of Ohio is the western half of the state; primarily counties in the northwest quadrant, although the crop can be found throughout the state. Summer Fruit Tortrix moth (*Adoxophyes orana*), Silver Y moth (*Autographa gamma*), Golden Twin Spot moth (*Chrysodeixis chalcites*), Old World Bollworm (*Helicoverpa armigera*), and Egyptian Cottonworm (*Spodoptera littoralis*) will be surveyed. With the exception of *Chrysodeixis chalcites*, which was detected in an Ohio greenhouse, none of the pests listed is presently known to occur in the U.S (see link to list of 2009 surveys for full descriptions).

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. Due to Ohio State University reductions in extension personnel a scaled down survey is proposed for 2010. Pheromone traps will be set and maintained at six soybean 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 1,200 licensed nurseries and 5,200 licensed dealers throughout the state, with the heaviest concentration of nurseries located in Lake county on Lake Erie. Ohio Department of Agriculture's nursery inspection staff consists of 13 plant pest control specialists and 1 field supervisor. These personnel also comprise the bulk of the CAPS survey work force, thus a bundled nursery survey makes the most efficient use of man power, time, and travel resources. The survey will consist of eight pests (six insects and two diseases); five pests are of national concern and three are of state concern.

Chrysanthemum White Rust (*Puccinia horiana*): visual surveys of mum producers and distributors will be conducted throughout the state for chrysanthemum white rust.

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.

Hemlock Woolly Adelgid (*Adelges tsugae*): visual surveys of *Tsuga* spp. will be conducted in nurseries for hemlock woolly adelgid. Native hemlock stands, residential, and landscape plantings will also be surveyed as time allows.

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

Asian Longhorned Beetle (*Anoplophora glabripennis*): visual surveys of hardwood hosts, especially maples, will be conducted during nursery and dealer inspections. When appropriate, wooded environs in proximity to the nurseries will also be surveyed.

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.

City Longhorned Beetle (*Aeolesthes sarta*): visual surveys of hardwood hosts will be conducted during nursery and dealer inspections. When appropriate, wooded environs in proximity to the nurseries will also be surveyed.

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.

