

Plant Clinic Sample Summary

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For information about submitting a sample, please see our website at <https://extension.illinois.edu/plant-clinic>.

The following diseases, disorders, and pest issues were identified at the Plant Clinic from June 1 through June 11, 2023. Unless otherwise noted, the diagnoses were confirmed on the samples. Diagnoses are suspected when damage or injury indicative of a specific cause is found, but the causal agent itself is not present on the sample.

Host	Diagnosis	Pathogen/Pest	County
Broad-Leaved Woody Ornamentals			
Burning Bush	Winged euonymus scale	<i>Euonymus alata</i>	Sangamon
Hydrangea	Phytophthora root rot	<i>Phytophthora</i> sp./spp.	Champaign
	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	Champaign
Japanese Maple	Phomopsis dieback; Twig blight; Canker	<i>Phomopsis</i> sp./spp.	Champaign
	Cultural/environmental problem (suspected)	None	Jackson
Silver Maple	Cultural/environmental problem (suspected)	None	Champaign
Bradford Pear	Fire blight	<i>Erwinia amylovora</i>	Champaign
Ornamental Pear	Fire blight	<i>Erwinia amylovora</i>	Sangamon
Needled Woody Ornamentals			
Arborvitae	Needle blight	<i>Phyllosticta thujae</i>	Coles, Cook
	Spruce spider mite	<i>Oligonychus ununguis</i>	Cook
	Cultural/environmental problem (suspected)	None	Cook
Colorado Blue Spruce	Rhizosphaera needle cast	<i>Rhizosphaera kalkhoffii</i>	Vermilion
	Stigmata needle blight	<i>Stigmata lautii</i>	Vermilion
	Bagworm	<i>Thyridopteryx ephemeraeformis</i>	Vermilion
Herbaceous Ornamentals			
Speedwell	Cultural/environmental problem (suspected)	None	Kane
Field Crops			
Soybean	Phytophthora crown and root rot	<i>Phytophthora</i> sp./spp.	Greene
	Pythium damping off	<i>Pythium</i> sp./spp.	Champaign
	Rhizoctonia root and crown rot	<i>Rhizoctonia</i> sp./spp.	Champaign, Calhoun

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	Fusarium crown and root rot	<i>Fusarium sp./spp.</i>	Calhoun
	Soybean cyst nematode	<i>Heterodera glycines</i>	Champaign
	Thrips	Family Thripidae	Moultrie, McLean
	Herbicide injury: Mesotrione (suspected)	None	Champaign
	Herbicide injury: HPPD inhibitor (suspected)	None	Champaign, Moultrie
	Herbicide injury: PPO Inhibitor (suspected)	None	McLean
Wheat	Bacterial leaf streak	<i>Xanthomonas sp./spp.</i>	Tazewell
	Wheat thrips	<i>Haplothrips tritici</i>	Tazewell

NOTES

We have received numerous samples displaying symptoms of herbicide damage on soybean plants throughout the state of Illinois. Symptoms include damage consistent with exposure to HPPD inhibitors, PPO inhibitors, plant growth regulators, and seedling root growth inhibitors. The damage patterns observed in the fields indicate both drift and carryover effects.

Additionally, we have received a few samples of ornamental pear trees exhibiting symptoms of fire blight, caused by the bacterium *Erwinia amylovora*. Despite the dry conditions prevailing across most of the state which are generally unfavorable for bacterial diseases, *E. amylovora* persists in previously infected plants in cankers and initiates new infections in spring.

Due to the high temperatures and low precipitation experienced in May, we have received many samples of trees with suspected environmental problems during this period. It is important to note that abiotic stresses, such as water stress, can weaken ornamental trees, making them more susceptible to pests and pathogens.

For information on the regional climate and historical data in the state, please refer to the following website: <https://stateclimatologist.web.illinois.edu/data/champaign-urbana/>



Fire blight on Callery pear



Fomesafen carryover on corn

The University of Illinois Plant Clinic is the federally designated plant diagnostic laboratory for the state of Illinois and is a member laboratory of the National Plant Diagnostic Network (NPDN). We are an Extension program housed in the Department of Crop Sciences. The Plant Clinic is supported by NPDN grant monies, USDA-NIFA-CPPM grant monies, Extension support, Departmental personnel and building space, and service fees.

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