

CROP EXPORT CERTIFICATION

PLANT INDUSTRY BUREAU LAB
WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

Each year, the Wisconsin Department of Agriculture, Trade and Consumer Protection inspects, tests, and certifies plant material for growers shipping seed and plants outside of Wisconsin. In 2024, the Plant Industry Bureau provided field inspections to 16 Wisconsin producers to meet the phytosanitary certification requirements of 31 importing countries. The Plant Industry Bureau Laboratory (PIB Lab) tested 102 samples from 14 host crops including field crops, fruits, vegetables, flowers, and small grains for 145 different bacterial, fungal, viral diseases, and nematodes (Table 1). This was a decrease in samples from 2023, during which 120 samples were tested; and an increase from 2022, in which 92 samples were tested. All regulated diseases that were detected in 2024 as part of this phytosanitary testing are known to occur in Wisconsin. The results for selected pests and diseases are reported below by crop.

Table 1. 2024 phytosanitary testing results.

Host Crop	Number of Samples	Number of Screened Pathogens	Regulated Pathogens Detected
Beet	1	18	None
Blueberry	29	2	None
Carrot	1	12	None
Corn	47	62	<i>Cercospora zea-maydis</i> (gray leaf spot, 1), <i>Colletotrichum graminicola</i> (anthracnose, 1), High Plains virus (1), <i>Setosphaeria turcica</i> (northern corn leaf blight, 6), sugar cane mosaic virus (2)
Cucumber	1	4	None
Garlic	3	1	None
Oats	1	6	None
Onions	1	17	<i>Alternaria porri</i> (Purple blotch, 1)
Pepper	5	2	None
Soybeans	1	7	None
Squash	3	2	None
Sunflower	3	2	None
Tomato	5	6	Tomato bushy stunt virus (1)
Watermelon	1	4	None
Total	102	145	7

Corn

Forty-seven seed corn samples were submitted to the PIB Lab for analysis. The PIB Lab detected five diseases in the submitted samples: *Cercospora zea-maydis* (gray leaf spot, 1), *Colletotrichum graminicola* (anthracnose, 1), High Plains virus (1), *Setosphaeria turcica* (northern corn leaf blight, 6), and sugar cane mosaic virus (2) (Table 1, Figure 1). In all inspected fields, no Stewart’s wilt, Goss’s wilt, bacterial leaf streak, or exotic downy mildews were detected. Stewart’s wilt has not been found in this state since 2010. Corn virus screens showed no maize chlorotic mottle virus (MCMV) or maize dwarf mosaic virus (MDMV).

Cucurbits

Anthrachnose (*Colletotrichum orbiculare*) and bacterial spot (*Xanthomonas campestris* pv. *cucurbitae*) were not detected in one cucumber, three squash, and one watermelon sample. Additionally, angular leaf spot (*Pseudomonas syringae* pv. *lachrymans*) was not detected in the cucumber and watermelon samples.

Onion

Purple Blotch (*Alternaria porri*) was detected on one onion sample in 2024 (Figure 2).

Soybean

One sample was examined and found free from anthracnose, bacterial tan spot, bean pod mottle virus, southern bean mosaic virus, soybean cyst nematode, tobacco ringspot virus, and tomato ringspot virus.

Sunflower

Blight caused by *Alternaria helianthi* and stem canker caused by *Phomopsis helianthi* were not detected in three sunflower samples.

Tomato and Pepper

In five tomato samples, no pepino mosaic virus, potato spindle tuber viroid, tomato aspermy virus, tomato black ring virus, or tomato ringspot virus were detected. Tomato bushy stunt virus was detected in one of the five tomato samples. Anthracnose (*Colletotrichum acutatum*) and leaf blight (*C. capsici*) were not detected in five pepper samples.

Export requirements are subject to frequent changes imposed by the importing countries. For more information about requesting field inspections and phytosanitary certificates, please visit our website https://datcp.wi.gov/Pages/Programs_Services/ShippingPlantMaterial.aspx.



Figure 1. Grey leaf spot lesion on corn.

Photo: Daren Mueller, Iowa State University, Bugwood.org



Figure 2. Purple leaf blotch on onion.

Photo: Howard F. Schwartz, Colorado State University, Bugwood.org

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PEST SURVEY PROGRAM

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