

Wisconsin Pest Survey Report

2012 Crop Export Certification

<http://pestsurvey.wi.gov/>

Corn: Plant Industry laboratory tested 57 corn samples from five counties (Columbia, Dane, Eau Claire, La Crosse, and Rock) to verify that seed corn shipments are free from certain diseases and pests, so that they meet export requirements. In 2012 three out of 57 corn samples (5%) tested positive for Goss’s wilt, a bacterial disease caused by *Clavibacter michiganensis pv. nebraskensis*. Goss’s wilt infections of corn were down significantly from last year, probably due to the hot and dry conditions in the state. The 2012 season followed two consecutive years of unusually high incidence of Goss’s wilt with 34% in 2011 and 62% in 2010 of infected field plots. 2010 and 2011 were marked by high precipitation and wind damage, conditions conducive to Goss’s wilt.

There were no detections of Stewart’s wilt (caused by *Pantoea stewartii*) for the second year in the row. Wheat streak mosaic virus (WSMV) was not detected in corn either. This virus and its vector the wheat leaf curl mite are not known to occur in Wisconsin. Seed corn also tested negative for Maize dwarf mosaic virus (MDMV) and High plains virus (HPV).

Soybean: Twelve seed fields in four counties (Fond du Lac, Green, Outagamie, Rock) were tested for the following diseases as required by various importing countries, see table below.

Soybean fields are tested for each of these diseases to meet export guidelines	No of fields testing positive
Soybean cyst nematode (<i>Heterodera glycines</i>)	5
Cercospora leaf blight (<i>Cercospora kikuchii</i>)	0
Anthrachnose stem blight (<i>Colletrichum truncatum</i>)	0
Stem canker (<i>Diaporthe phaseolorum</i>)	0
Downy Mildew (<i>Peronospora manshurica</i>)	0
Frogeye leaf spot (<i>Cercospora sojina</i>)	0
Phyllosticta leaf spot (<i>P. sojicola</i>)	0
Bacterial tan spot (<i>Curtobacterium flaccumfaciens pv. flaccumfaciens</i>)	0
Alfalfa Mosaic Virus (AMV)	0
Bean Pod Mottle Virus (BPMV)	1
Southern Bean Mosaic Virus (SBMV)	0
Tobacco Ringspot Virus (TRSV)	0
Tomato Ringspot Virus (ToRSV)	0

Vegetables: Two snap bean, 18 cucurbit, pepper and tomato plots were inspected and samples were tested for a variety of pathogens that are of phytosanitary concern to exporting countries. Overall fungal diseases were scarce during this hot and dry growing season but spidermites populations were high.

Please contact Ellen Hermanson at (608) 224-4576 if you would like to schedule a field inspection.

[http://datcp.wi.gov/Plants/Plant Shipment and Exports/index.aspx](http://datcp.wi.gov/Plants/Plant_Shipment_and_Exports/index.aspx)