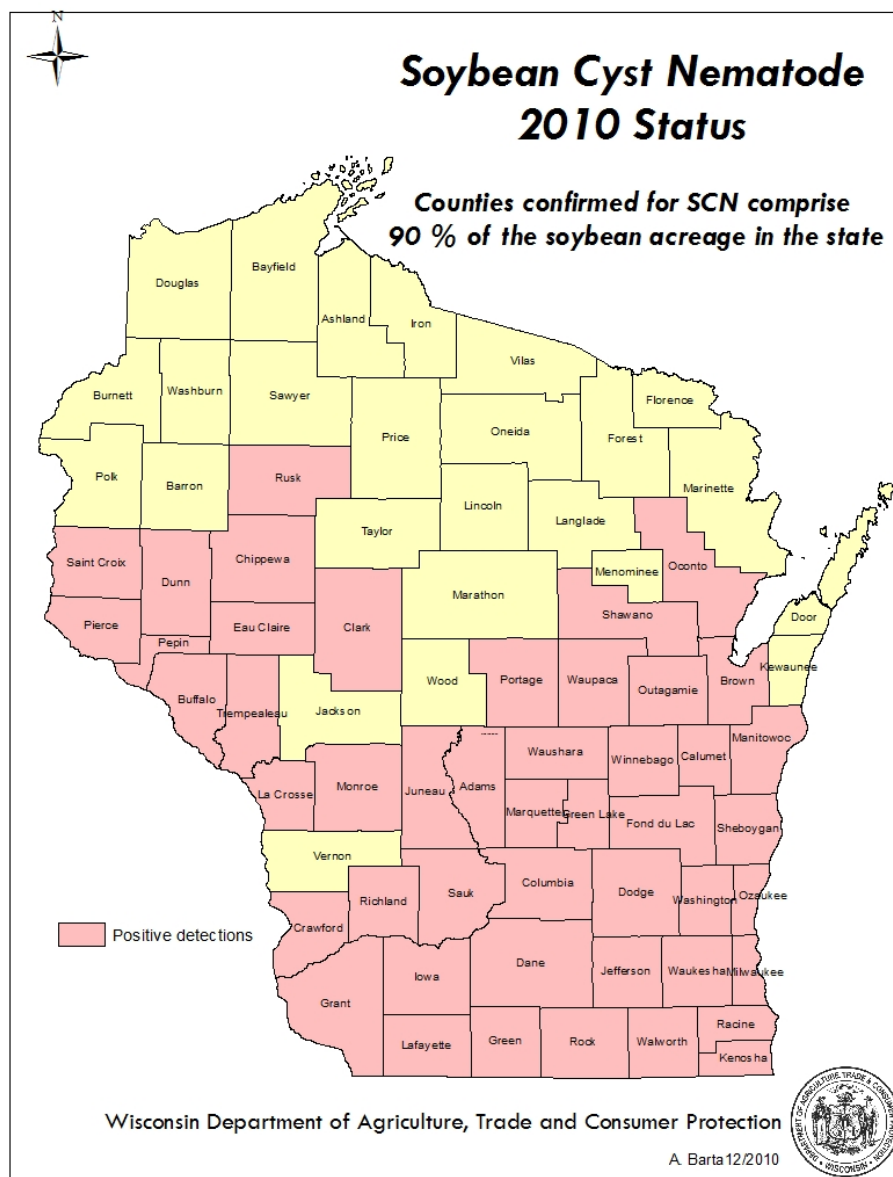


Wisconsin Pest Survey Report

2010 SOYBEAN CYST NEMATODE SURVEY

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

Soybean cyst nematode (*Heterodera glycines*) is the greatest yield-reducing pest and disease problem in soybean production in the U.S (Wrather & Koenning). The map below shows all infested counties from the first find in Racine County in 1981 to the most recent in Oconto County in 2010. The total number of Wisconsin counties with at least one soybean cyst nematode (SCN) infested field is 47. Soybean acreage in the counties where SCN has been detected adds up to 90% of the soybean crop in Wis.



Soybean growers in all parts of the state are urged to sample their fields for SCN. SCN may go undetected in fields because of the lack of above-ground symptoms but still cause yield losses. Effective management of this pest requires an accurate assessment in each individual field and choosing resistant varieties if necessary.

Free testing is available through the UW Plant Disease Diagnostics Laboratory at <http://www.plantpath.wisc.edu/soyhealth/scnsamp.htm>.

Private laboratories also offer testing services. Fields may be sampled at any time that the soil is not frozen.

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Soybean cyst nematode affects a variety of bean crops beside soybeans. For complete management information of SCN, please see the University of Wisconsin website:

http://www.plantpath.wisc.edu/soyhealth/pdf/SCN_Management.pdf

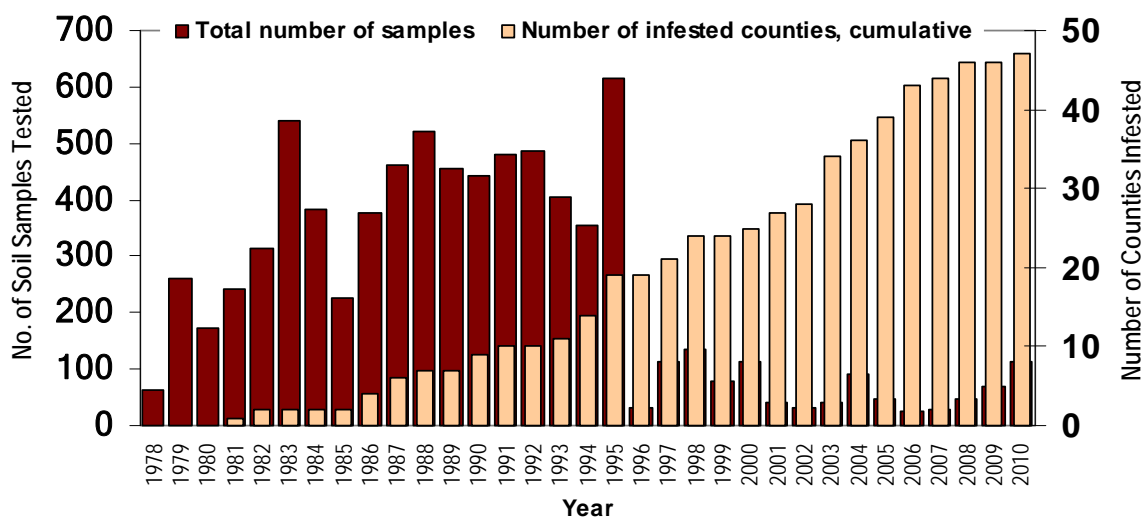
SCN is also a factor in the sudden death syndrome (SDS) of soybean, which is an increasing problem in the Midwest. For more information SDS, see this link

<http://www.plantpath.wisc.edu/soyhealth/pdf/SDS%20Update%202010.pdf>

History of SCN in Wisconsin

SCN (*Heterodera glycines*) was first detected in the U.S. in 1954, in Hanover County, North Carolina. Survey efforts in 1957, 1958 and 1962 did not find the nematode in Wisconsin; the first report in the state was made in 1978, in Racine County. The year 2008 marked 30 years of annual state-wide survey for Soybean Cyst Nematode (SCN) by DATCP and University of Wisconsin. The chart below shows the number of soil samples collected each year from 1978 until 2010 and the cumulative number of infested counties.

Wisconsin Soybean Cyst Nematode Survey 1978 to 2010



Reference

J. A. Wrather, University of Missouri-Delta Center, P.O. Box 160, Portageville, MO 63873, and Steve Koenning, North Carolina State University, "Soybean Disease Loss Estimates for the United States, 1996-2007".

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