

Soybean Cyst Nematode

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HEC Agronomy Newsletter
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Yesterday, I attended an agronomy meeting put on by Agvise Laboratories. They are the company that processes all of our soil tests. One topic that was discussed by one their agronomists was Soybean Cyst Nematode. I was amazed at the amount of testing that is happening in our area.

In North Dakota, SCN testing started in 2006 with 4 samples. Since then we have seen the sampling numbers climb. The trends have been 2007- 104 samples, 2008- 154 samples, 2009 – 270 samples. The actual results from these tests show relatively little infestation and severities are still low. In 2009, 71% of these samples were had zero eggs, about 17% have 1-200 eggs, about 5% had 201- 2,000 eggs and about 5% had 2,001 – 10,000 and about 2% of the samples had over 10,000 eggs. All of the testing that was done in North Dakota was from Barnes, Steele, Sargent, Ransom, Richland, Cass, and Traill Counties and all of these counties were found to have some populations of SCN.

Below is a brief guide to planting decisions to help growers understand their SCN testing results.

0-200 eggs- Use Susceptible Variety

200-2,000 eggs – Use Resistant Variety

2,000-10,000 eggs- Yield loss likely to occur, even if a resistant variety is planted

> 10,000 eggs- Do not plant soybeans

This SCN pest is one that is yet coming. Detection is going to be important to help everyone make management decisions regarding this pest. For more information about SCN, please see the following link:

<http://www.extension.umn.edu/distribution/cropsystems/components/DC3935b.html#manage>

Please or stop in if you have any questions or comments.