

20 February 2009

To: Representatives of the soybean seed industry in North Dakota

From: R. Jay Goos, Professor of Soil Science, NDSU

All soybean varieties entered in the 2009 variety trials of Dr. Ted Helms, and also of the Langdon and Carrington Research Extension Centers automatically be entered in our iron deficiency chlorosis trials. There is no additional fee to you, and no separate shipment of seed needs to be sent. These trials are supported by the North Dakota Soybean Council.

Most of you are familiar with our chlorosis trials. Trials will be established at five locations in eastern North Dakota, on sites known to produce substantial chlorosis. Single-row plots are planted on 30-inch centers. Chlorosis scores are usually taken at the 2-3 trifoliolate stage, 5-6 trifoliolate stage, and two weeks after the 5-6 trifoliolate stage. Each trial has four replicates. The trials are not taken to yield. Further information about our procedures and results from prior years are documented at our web site: www.yellowsoybeans.com

As in prior years, the chlorosis trials will be made available to you, for the inspection of your entries, after the 5-6 trifoliolate stage. The data will be available after 1 September 2009, and will be published on our web site, handed out at field days, and included in Extension publications and presentations.

The University of Minnesota has a similar policy, where all varieties entered in their variety trials also receive a chlorosis evaluation at separate locations. Testing everything entered in an NDSU variety trial provides the farmer with a more comprehensive set of information upon which to make variety selections.