



Soybean Cyst Nematode Program

Red River Sales & Agronomy



- A huge percentage of soybean varieties that have Soybean Cyst Nematode resistance have PI88788 resistance
- Resistance to PI88788 resistance is definitely occurring in southern areas and yield loss is significant.
- Current testing is not specific enough to make management decisions.
- We need the option of full yield potential soybeans in our rotation in the future
- Five years from now we will need better information on local SCN levels and SCN resistance to make good management decisions.

Proposal:

- Test all soybean fields specifically for SCN with one sample taken in the spring right after planting, another sample taken at harvest time.
- 4-5 tests taken from each field, which will be taken from the same spots using GPS.
- The 4-5 tests will be taken from different areas of the field with one being taken from the least likely spot of high levels to provide contrast.
- Fields that test low will only be re-sampled when soybeans are due in the rotation.
- Fields that test high will be re-sampled every year even when the crop is non-susceptible.

The program is meant to get enough reliable information that in 5 years we will be better in position to make good management decisions, such as:

- Using Peking varieties even if they have lower yield potential
- Using in-furrow nematicides or seed treatments
- Changing your rotation to avoid SCN trouble
- Change use of soygreen or fertilizers