Pre-sidedress Soil Nitrate Test for Corn

Soil Test Information and Report Form

Agricultural Analytical Services Laboratory
The Pennsylvania State University
111 Ag Analytical Srvcs Lab
University Park, PA 16802

(814) 863-0841 aaslab@psu.edu www.aasl.psu.edu

Grower _____
Address _____
City, State, Zip _____
County _____

Date _____
Copy to _____
Address _____
City, State, Zip _____

NOTE: PLEASE SEND $10.00 PAYMENT WITH SAMPLE.

Please list a telephone, email or fax number for the person who should be contacted with the results. If no number/email is given, results will be mailed.

Person to contact_____

Best time to call (8am – 4:30 pm): _____

Phone, Email or Fax (circle one): Phone:_____ - _____ - _____

Fax # _____ - _____ - _____

Email: _____

Sample #	Lab No.		Field ID	Expected Yield **Bu/A** or **T/A**	Recent Manure[1]	Previous Manure[2]	Previous Crop	Soil Nitrate-N (ppm)	N lb/A Recommendation
Lab Use Only		Please complete all of the information in the sections below						Lab Use Only	
1					__ None __ Any	__ None __ Any	__ Corn __ Soybeans __ Forage Legume __ Other		
2					__ None __ Any	__ None __ Any	__ Corn __ Soybeans __ Forage Legume __ Other		
3					__ None __ Any	__ None __ Any	__ Corn __ Soybeans __ Forage Legume __ Other		
4					__ None __ Any	__ None __ Any	__ Corn __ Soybeans __ Forage Legume __ Other		
5					__ None __ Any	__ None __ Any	__ Corn __ Soybeans __ Forage Legume __ Other		

[1]Manure applied since last harvest. [2]Manure applied in the previous three years. **Complete this form and return with soil samples.**

Sampling Procedure for the Pre-sidedress Soil Nitrogen Test (PSNT)

1. Sample only those fields that have received 40 pounds of N or less as fertilizer prior to sampling for the N soil test. This test is best suited for those fields where some residual N availability is suspected because of previous manure applications, forage legume crops, or heavy N fertilizer applications.

2. Take soil samples when the corn is approximately 12 inches tall or at least a week before sidedressing is planned.

3. Sample soil by taking 10 to 20 cores across the field, to a 12 inch-depth if possible. If not, sample as deep as you can. Samples should be obtained between rows to avoid starter fertilizer bands. Also, avoid sampling any atypical areas such as wet spots, weedy areas, or those areas receiving excessive manure in the field.

4. Crumble the cores and dry samples as thoroughly and quickly as possible by spreading thinly on newspaper in a warm place and stirring occasionally. Unlike regular soil samples, these samples can be heated to speed drying. Samples should be completely dry within 24 hrs.

5. Place the dried sample in the soil test bag, complete the reverse side of this form for all of your samples, and mail or deliver the form and all samples immediately to the Agricultural Analytical Services Laboratory, Penn State University, University Park, PA 16802.

6. Be sure to include one phone number, email or fax of the individual who should be contacted with the results along with the best time to contact this person between 8 am and 4:30 pm. Results of the test and N fertilizer recommendations will be sent to this individual as soon as possible after the test has been run.

Please note: Send $10.00 payment with the sample. The fee that you pay for analysis covers priority analysis of the sample for nitrate-N only and for the telephoning, emailing or faxing of the soil sample results.