UVM Soil Nitrate Test for Corn (PSNT) (multiple sample form)

The University of Vermont

Agricultural & Environmental Testing Laboratory and UVM Extension

Main contact (mailing address)	Copy to (Extension, consultant, etc.). OR Billing info
Name:	Name:
Farm/Company:	Company:
Address:	Address:
City, State, Zip:	City, State, Zip:
Phone:	Phone:
E-mail:	E-mail:
Send results by: Mail ___ or E-mail ____	Send results by: Mail ___ or E-mail ____

Use this multiple-sample form ONLY if you are familiar with how to fill it out properly. More detailed instructions are on the regular (single-sample) questionnaire. See back of form for more information.

Lab Number (lab use only) :	N	N	N	N	N
Field / Sample ID:					
1. Drainage: 1) Droughty,deep sands,shallow rock 2) Well drained 3) Moderately well drained 4) Poorly drained					
2. Manure applied this spring, or applied and incorporated last fall: T/A Gal/A Bu/A Free stall Bu/A w/Bedding 1) 0 0 0 0 2) 5 2,000 125 200 3) 10 4,000 250 400 4) 20 8,000 500 800 5) 30 12,000 750 1,200					
3. Years since sod: 1) 1st year corn 2) 2nd year corn 3) 3rd year corn 4) 4th year corn 5) 5th year corn					
4. If three year or less in corn, then previous sod crops: 1) good legume 2) poor legume 3) good grass 4) poor grass 5) small grain or summer annual					
5. Pounds of N per acre from fertilizer broadcast before sampling: 1) None 2) 20 3) 40 4) 60 5) 80 6) 100 7) 120 8) 150					
Check here for sweet corn or veg. crop					

** Although it is not necessary to answer the questions to get a sidedress recommendation, they help us identify unusual test results that may be due to poor manure management, very poor plowed down sod, unusually high rainfall, or wet soil conditions that reduced or delayed the availability of N from manure or other sources.

** There is less room for sample names in this 5-sample form, so try to keep them short!

How to Sample for the Corn Nitrate Test (PSNT)

** Sample fields when the corn is 8 to 12 inches tall. Take 15 to 20 cores per field (or sample area) to a depth of 12 inches, deeper than for the routine soil test. Take samples from midway between rows to avoid sampling the starter fertilizer bands.

** Dry the samples as soon as possible. Mix the sample thoroughly and remove approximately one cup of soil. Spread the sample thinly on a pie pan or cookie sheet and place in the oven at very low heat (200 degrees F) until dry. Soil can also be air-dried by spreading it very thinly on a newspaper or cookie sheet. The sample must dry within a day to avoid changing the nitrate level.

**Place sample in a clean plastic bag. Fill out the information sheet (one per sample) and enclose it with the sample.

** Send or deliver the sample to the UVM Agricultural and Environmental Testing Laboratory. We will try to email (or mail) your results within 24 hours of receiving your sample (depending on how many samples arrive during the day—the lab can process a maximum of 50 samples per day).

** We will dry your samples for you if we receive them the same day that they are sampled. Store moist samples in a cooler with ice if you are delivering them from a distance.

The fee is $9 per sample; checks only, payable to: UVM (billing by prior arrangement only).

Send samples & payment to: University of Vermont, AETL
262 Jeffords Hall
63 Carrigan Dr
Burlington, VT 05405-1737

If you have any questions feel free to contact us at: agtesting@uvm.edu (preferred contact method)
802-656-3030
www.uvm.edu/pss/ag_testing