



Dairy One

Soil Laboratory

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www.dairyone.com

Pre-Sidedress Nitrate Testing (PSNT) Sample Submission Form 4.0

An analysis is only as good as the sample submitted. For sampling instructions, policies and more information, visit our web site at www.dairyone.com.

Name/Company: _____ Account No.: _____

Street: _____ County (NY only): _____

City: _____ State: _____ Zip: _____ Phone: _____

Email: _____ 2nd email: _____

Results sent by email. I'd also like to receive copies by mail: ☐

Payment can be made at the time of sample submission in the form of check. Alternatively, an invoice will be sent to your account with instructions to pay online. If you do not yet have an account, we will create an account upon your first sample submission. Please include this account number on future submission forms.

Sample Information: \$10.00 per sample (attach additional sheets if necessary).			
Sample Description	Lab Use	Sample Description	Lab Use
1		7	
2		8	
3		9	
4		10	
5		11	
6		12	

Pre Sidedress Nitrate Testing (PSNT) is used to determine if sidedress N is needed on field corn with a history of manure or sod incorporation. PSNT measures nitrate N in the soil to determine the likelihood of a yield response from sidedressed N. PSNT is recommended for corn fields > 2 years after a sod and/or where manure rate is uncertain, if manure application is not expected to meet corn N requirement, or if N mineralization rates are expected to be higher than average (e.g. warm, moist soil). PSNT is not recommended where pre plant or early post plant broadcast fertilizer N applications were made since "leftover" nitrate could overestimate N mineralization potential of the soil, first year corn after a grass sod and starter N, or first year corn after an alfalfa grass stand is plowed down.

Sampling Guidelines

- A. Limit sample area to < 15 acres.
- B. Sample when corn is 6-12" tall.
- C. Collect 15-20 soil cores from a 12 inch depth and probe between rows but be careful to avoid any starter fertilizer band.
- D. Sample through the plastic if N was broadcast pre-plant and covered with plastic mulch.
- E. Take a separate sample for areas that are different, e.g. crop, cultivar, population, growth stage, history, management, etc.
- F. Wait 2-3 days after significant rainfall (due to nitrate leaching).
- G. Air dry or microwave the sample immediately to stop mineralization.
- H. Submit a minimum sample of one cup to the lab with completed submission form.

Samples can be dropped off directly at our facility at 730 Warren Rd. Ithaca, NY 14850 or one of our many pick-up locations found here: <https://dairyone.com/forage-and-soils-stops>

Alternatively, you can ship samples to our location through a carrier of your choice. We also offer sample kits, pre-paid UPS labels and USPS mailers through our online store (<https://dairyone.com/shop/>) or by scanning the QR code shown to the right.



LAB USE ONLY

Notes:

☐ UPS Label - Ground
\$17.00

☐ UPS Label - 2-Day
\$39.00

☐ UPS Label - Next Day
\$71.00