Stalk Nitrate Challenge Data Form

Your Name: ___________________  Your phone # or email address: ___________________

Your address: ________________________________________________________________

Field location (description or GPS coordinates at center of field): __________________

Corn Variety: _______________  Yield goal: _______ bu/A  Planting date: __________

Winter cover/trap crop? (if yes, what crop?): ________________________________

Crop(s) previous year: ______________________________________________________

Source of Nitrogen 1:
Fertilizer type ___________________________  Date of Application: __________
Method of application: ___________________  Target N rate: _______ lbs/A
If surface applied:   Incorporated (yes/no):  _______    Days to incorporation: __________
N loss inhibitor used (yes/no) _________    Type used __________________________

Source of Nitrogen 2 (if needed):
Fertilizer type ___________________________  Date of Application: __________
Method of application: ___________________  Target N rate: _______ lbs/A
If surface applied:   Incorporated (yes/no):  _______    Days to incorporation: __________
N loss inhibitor used (yes/no) _________    Type used __________________________

Source of Nitrogen 3 (if needed):
Fertilizer type ___________________________  Date of Application: __________
Method of application: ___________________  Target N rate: _______ lbs/A
If surface applied:   Incorporated (yes/no):  _______    Days to incorporation: __________
N loss inhibitor used (yes/no) _________    Type used __________________________

Stalk Nitrate Sample Information:
Date of sampling: __________
Number of stalks included: _______    Area represented by sample _______ Acres

There will be no analysis cost for your first 10 samples if you provide the requested information.  Test cost typically is $12/sample. Discount may be available for more samples, contact me.

Sample Handling: Sample anytime from ¼ milk line to three weeks after black layer formation. Sample at least 15 stalks from the sampling area. For each stalk remove the 8-inch section from six inches above the ground to 14 inches above the ground. Select representative plants and do not include heavily diseased or damaged plants. Place the sample in a paper bag (not plastic). Do not freeze sample. Refrigerate if samples are shipped more than one day after sampling.

Mail the sample plus this data sheet to: Missouri Soil Testing Lab, Attn: Stalk Nitrate Test Challenge, 23 Mumford Hall, University of Missouri, Columbia MO 65211 or MU Delta Regional Soil Testing Lab, 147 State Hwy T, Portageville. MO 63873. You must include a completed form with each sample to receive no-cost analysis.

Questions? Contact John Lory (LoryJ@missouri.edu; 573-884-7815).
Stalk Nitrate Challenge Data Form *(Example)*

Your Name: ____ Example ______ Your phone # or email address: __LoryJ@missouri.edu__

Your address: ___ MU Dairy, Hwy 40, Columbia, MO 65201

Field location (description or GPS coordinates at center of sampled area): ____________________________


Corn Variety: ____ My Variety ______ Yield goal: ___ 150 bu/A ____ Planting date: ___ 4/5/2009

Winter cover/trap crop? (if yes, what crop?): _Wheat, grazed late winter_____________________

Crop(s) previous year: _Soybean ________________________________

Source of Nitrogen 1:

Fertilizer type ___ Anhydrous Ammonia __________ Date of Application: ___ 11/18/2008 __

Method of application: ___ injection __________ Target N rate: ___ 75 ___ lbs/A __

If surface applied: _Incorporated (yes/no): ______ Days to incorporation: ____________

N loss inhibitor used (yes/no) ________ Type used ________________________________

Source of Nitrogen 2 (if needed):

Fertilizer type ___ Hog lagoon effluent __________ Date of Application: ___ 6/1/2009 __

Method of application: ___ Traveling gun ________ Target N rate: ___ 50 ___ lbs/A __

If surface applied: _Incorporated (yes/no): ______ Days to incorporation: ____________

N loss inhibitor used (yes/no) ________ Type used ________________________________

Source of Nitrogen 3 (if needed):

Fertilizer type ___ ____________ __________ Date of Application: ____________

Method of application: ____________ __________ Target N rate: _______ lbs/A __

If surface applied: _Incorporated (yes/no): ______ Days to incorporation: ____________

N loss inhibitor used (yes/no) ________ Type used ________________________________

Stalk Nitrate Sample Information:

Date of sampling: ___ 10/2/2009 __

Number of stalks included: ___ 15 ______ Area represented by sample ___ 20 ___ Acres

There will be no cost for this analysis for your first 10 samples if you provide the requested information. Test cost typically is $12/sample. Discount may be available for more samples, contact me.

Sample Handling: Sample anytime from ¼ milk line to three weeks after black layer formation. Sample at least 15 stalks from the sampling area. For each stalk remove the 8-inch section from six inches above the ground to 14 inches above the ground. Select representative plants and do not include heavily diseased or damaged plants. Place the sample in a paper bag (not plastic). *Do not freeze sample.* Refrigerate if samples are shipped more than one day after sampling.

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