

Purpose

The Deep Soil Sampling Program of the Bazile Groundwater Management Area has been established to assist producers in attaining as much knowledge as possible of the nitrogen present and available to crops in the **full crop root zone**.

Deep Soil Sampling should be considered as part of a comprehensive irrigation and fertilization management plan. The use of deep soil sampling results can reduce the potential of Nitrogen over-application and leaching. The ability to better manage Nitrogen application benefits the entire region by reducing potential contamination of groundwater supplies by over-application of Nitrogen fertilizer.

Please line up a professional consultant to do the testing and furnish copies of their results and billing to receive reimbursement at 75% of actual charges.

Contacts

Knox County NRCS

PO Box 300
Bloomfield, NE 68718
Phone: 402-373-4914

Lewis and Clark NRD

608 North Robinson
PO Box 518
Hartington, NE 68739
Phone: 402-254-6758
Fax: 402-254-6759
E-mail: lcnrdr@hartel.net
Web: www.lcnrd.org

Deep Soil Sampling Cost Share Program for the Bazile Groundwater Management Area



Soil Sampling Probe



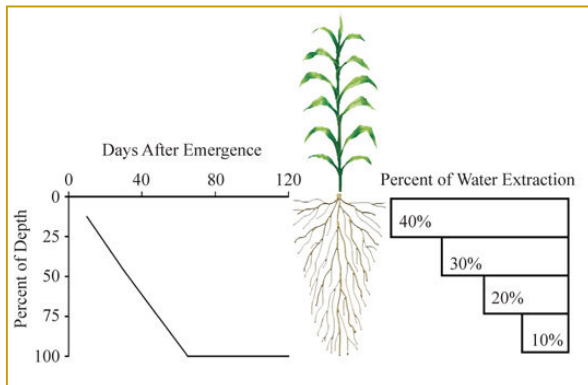
Tel: 402-254-6758



Deep Soil Sampling in the Bazile GWMA

Deep Soil Testing is described as taking soil samples down to depths of 36 inches or more. This usually involves three samples: 0-8", 8-28", and 24-36". LCNRD requires at least the 0-8" and 36" profile sampling. Pounds of Nitrogen from each sample are determined and from that an estimate can be made on Nitrogen available in the root zone (6 feet). Sampling needs vary but one test per 40 acres is a good rule to follow.

Cropping history, the next years' crop choice, nitrate results from deep soil testing and nitrate content in irrigation water (when applicable) are used to make recommendations for fertilizer application. A copy of the test results and invoice from the crop consultant are required for payment.

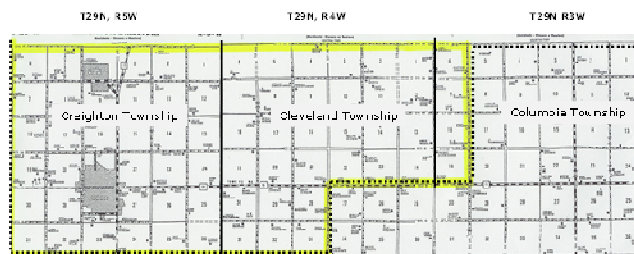


Root zone soil water extraction and plant root development patterns.

Deep Soil Sampling Requirements

- Apply for cost share September 1 to March 1 each year.
- Application approval from the LCNRD required prior to testing.
- 75% cost share rate.
- Cost share provided for probing and basic soil nitrate test.
- \$100 minimum cost share amount.
- Nitrogen fertilizer application must reflect recommendation of your crop consultant.
- Payment will be issued following receipt of the annual report and deep soil test results
- Deadline for receipt of annual reports is February 1st.
- Available in the Bazile Groundwater Management Area of Knox County.
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Bazile Groundwater Management Area



Area Consultants

- ▶ **CHS**
809 East Broadway
Wausa, NE 68786
402-586-2272
- ▶ **Central Valley Ag**
222 2nd St
PO Box 419
Brunswick, NE 68769-9998
402-842-4295
- ▶ **Jeremie Johnson**
707 Lake St
Creighton, NE 68729
402-358-3833
- ▶ **Steve Keck**
54031 866 RD
Plainview, NE 68769
402-582-3256
- ▶ **Northeast Ag Consulting**
56487 Hwy 84
Hartington, NE 68739
402-254-7483
- ▶ **John Pavlik**
86619 520 Ave
Royal, NE 68773
402-394-1259
- ▶ **Mark Pavlik**
Pavlik Crop Consulting
PO Box 66
Magnet, Ne 68749
402-394-1917

- ▶ If you wish to use a consultant not included in this list please feel free to do so. There are other ag-chemical representatives and/or crop consultants that can perform deep soil sampling.