

DON'T GO until it's 50°F or below

Fall application into warm soils is costing you!



photo courtesy of USDA-NRCS

✓ Know the fate of nitrogen (N) applied to your soils

- Use ISU's "Fate of Applied Anhydrous Ammonia in Iowa Soils" computer program at the ISU NPKnowledge Internet site*

✓ Know the soil temperature

- Measure the soil temperature at 4 inches, at 10 AM or 7 PM, or
- Use ISU's county soil temperature and forecast*

✓ Time of application counts

- Delay fall anhydrous ammonia application until 50°F soil temperatures are reached and cool weather is forecast. Consider use of a nitrification inhibitor to further slow conversion of ammonia.
- Waiting until spring, or sidedressing N next season is encouraged.

* ISU's NPKnowledge Internet site:
<http://extension.agron.iastate.edu/NPKnowledge>

Sponsors:

Agribusiness Association of Iowa
Iowa Certified Crop Advisers

Iowa Department of Natural Resources
Iowa State University Extension

Iowa Department of Agriculture and Land Stewardship, Division of Soil Conservation

USDA-Natural Resources Conservation Service

This publication has been funded in part by the Iowa Department of Natural Resources through a grant from the U.S. Environmental Protection Agency under the Federal Nonpoint Source Management Program (Section 319 of the Clean Water Act).

IOWA STATE UNIVERSITY
University Extension

... and justice for all

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Many materials can be made available in alternative formats for ADA clients. To file a complaint of discrimination, write USDA, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964.

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Stanley R. Johnson, director, Cooperative Extension Service, Iowa State University of Science and Technology, Ames, Iowa.