



GENERATIONS Nitrate Testing Project Application for Assistance

Farm Operator Name _____

Address _____

City, State & Zip _____

Home Phone _____ Cell Phone _____

Fax Number _____ Email _____

Field ID & Approximate Acreage _____
(This can be Unique ID Number Known Only by You **OR** FSA Tract & Field Number)

Approximate maturity date: _____

Was this field Zone or Grid mapped for soil test purposes? YES or NO

FFA Chapter: _____, _____, _____
Approx Mileage First Choice Second Choice Third Choice

I hereby certify that I am the actual farm operator and will personally accompany FFA students during the sample collection date.

_____ Date: _____

This portion to be filled in by SWCD personnel

Aerial Photo: _____ Plat Book Page _____ FFA Contact: _____ Sample Delivery Date: _____

Project Information

Objective:

FFA Chapters will perform corn stalk sampling on farms working directly with the operators. Eligible operations are farms within the Little River Watershed, below the Diversion Channel in the Missouri Bootheel counties of Dunklin, New Madrid, Pemiscot, Scott and Stoddard.

Benefits:

While FFA Chapters are utilizing this project as a fundraiser, it also offers a unique outreach opportunity. It allows for student interaction with farm operators and agribusiness professionals.

The nitrogen status of a corn crop can be assessed by measuring nitrate concentrations in the lower portion of cornstalks at the end of the growing season. This is done through the use of a tissue test on the corn stalk samples. Results can be used to evaluate nitrogen management practices used in any field in any year.

By assessing the levels of nitrate in cornstalks, producers can utilize this information as another tool for their fertilizer management. Results can be used in conjunction with soil maps, yield maps, varietal differences and the different forms of nitrogen fertilizer to give more precision to management decisions. These decisions affect the amount of nitrogen that is used in a given year and ultimately the profitability attained in farming operations.

Supported by:

Bootheel Resource Conservation and Development, Inc. (RC&D), Conservation Technology Information Center (CTIC), University of Missouri Delta Research Center, University of Missouri Extension, Missouri Coalition for the Environment, Missouri Corn Growers Association and USDA – Natural Resources Conservation Service (NRCS). This project is funded in part by assistance agreement number MX964472 between the U.S. Environmental Protection Agency and the Conservation Technology Information Center.

Conducted by:

Soil and Water Conservation Districts (SWCD) of Dunklin, New Madrid, Pemiscot, Scott & Stoddard Counties, participating FFA Chapters (current list available in the SWCD office) and area farm operators.

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