

# Core Program Action Plan

Program Name: *Dave Franzen Soil Fertility*

Contact Person(s):

Situation:

Soil fertility is a substantial portion of a farm producer's annual crop production budget. Making better nutrient management decisions is critical for farm profitability.

Need Assessment: Summarize results of the needs assessment for your project.

Producers need to be able to assess nutrient management needs, choose the right source, and determine the best application timing and methods.

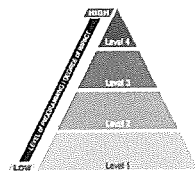
## Educational Objectives

List what participants will know, be able to do differently, or what behavior or condition change takes place because of participating in your project program.

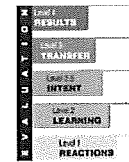
Participant learning/intent/transfer and results:
Understand that each crop has unique mineral nutrient requirements.
Understand that nitrogen and yield are independent between fields, and that yield-based formulas for N rate are not reasonable.
Understand the relationship between soil conservation and yield.
Know how to evaluate soil-related products and amendments.

## Educational Experience

Describe the experiences that will be utilized and identify the Transformational Triangle level to which this experience is most closely connected.



Transformational Education Experience	Level
County-based producer programs	1
Trainings for county agents and area Extension	2
State and regional educational workshops- Soil Workshop, Conservation Tillage Conference, Minnesota Short Course	3
CCA training for agents and others	4



## Program Evaluation

List the evaluation/method/questions that will be utilized to determine whether objectives were met. Identify the Kirkpatrick Evaluation Model Level to which this evaluation is most closely connected.

Education Evaluation	Level
Before and after polling of knowledge, during program surveys	1-2-3-4

## Educational Program Plan Summary

Summarize your project plans, and how your project will enable your participants to achieve your desired results.

Finish development of phone app for N-calculator that is now web-based, for corn, spring wheat/durum, sunflower.

Revision of older extension soil fertility circulars.

Coordinate the annual Soil and Soil Water Workshop.

Participate in regional and county-based soil fertility educational programs.

Participate in teaching county-agents CCA training.

Phone apps should result in improved utilization of modern N rate recommendations. Several soil fertility circulars need to be revised and modernized. These should reinforce modern crop mineral nutrient strategies for Extension educators, industry professionals and farmers. Teaching county agents should help them become the county experts in soil fertility.

## Challenges

What are your primary challenges that still need help:

Better county agent participation in state-regional meetings and funds to support their travel.

Large amount of mis-information in media and at corporate-sponsored meetings around the region.