Nebraska On-Farm Research Network

Years:	2012
Title:	Fertility
Crop:	Corn
Study ID:	062155201201
County:	Saunders
Objective:	Study effect of Side-dress Nitrogen application on corn production and profitability.
Treatments:	Check vs Side-dress nitrogen

Sponsored by: University of Nebraska Lincoln **In partnership with:** Nebraska Corn Board, Nebraska Corn Growers Association

Nebraska On-Farm Research Network

Information: 2012

Corn

Nitrogen sidedress

Hybrid - Pioneer 1173RB
Planted 4/26/12 Harvest 9/17/12

NH3 @ 90 lbs
Liquid N (32%) @ 40 lbs
11-52-0 @ 100 lbs

Guardsman_MAX @ 3 pt
Roundup @ 24 oz
2-4-D @ 6 oz
Roundup @ 24 oz

Sponsored by: University of Nebraska Lincoln **In partnership with:** Nebraska Corn Board, Nebraska Corn Growers Association

Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

Nebraska On-Farm Research Network

WARD Laboratories, Inc.

Ag Testing - Consulting

Account No. : 80760

Soil Analysis Report

GLEWEN, KEITH
UNL-ARDC
1071 CR G
ITHACA NE 68033

Invoice No. : 1108330
Date Received : 06/11/2012
Date Reported : 06/13/2012

Results For : FUJAN
Location : FUJAN

Sample ID / Lab No.	Soil pH 1:1	Modified WDRF BpH	Soluble Salts 1:1 mmho/cm	Excess Lime Rating	Organic Matter LOI-%	FIA Nitrate ppm N	Depth Nitrate Lbs N/A	Method Phosphorus ppm P	-Ammonium Acetate- K ppm	Ca ppm	Mg ppm	Na ppm	Ca-P Sulfate ppm S	----------DTPA---------- Zn ppm	Fe ppm	Mn ppm	Cu ppm	Hot Water Boron ppm B	$CaNO_3$ Chloride ppm Cl	Sum of Cations me/100g	% Base Saturation H	K	Ca	Mg	Na
E-1							0 - 12 in																		
71283						26.2	94																		
M-2							0 - 12 in																		
71284						27.5	99																		
W-3							0 - 12 in																		
71285						26.3	95																		

Sponsored by: University of Nebraska Lincoln **In partnership with:** Nebraska Corn Board, Nebraska Corn Growers Association

Nebraska On-Farm Research Network

Results: 2012

	Corn Nitrogen sidedress	
Treatment	90#	130#
Yield, bu/ac @15.5%	106.7	109.7
Cost/Acre	---	$36.60
Prob>/T/ 0.4204 ns	A	A
Moisture, %	12.7	12.8
Prob>/T/ 0.7445 ns	A	A
Harvest Population	27.6k	26.8k
Prob>/T/ 0.1342 ns	A	A

Summary: The addition of 40#/ac. sidedress nitrogen did not result in an increase of rainfed corn yield.

Sponsored by: University of Nebraska Lincoln **In partnership with:** Nebraska Corn Board, Nebraska Corn Growers Association

Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.