

MAHNOMEN COUNTY

Year

4-H Crop Science Project Record

Name _____ Age _____ Grade in School _____ Date _____

Club Name _____ Year in 4-H _____ Year in this project _____

PROJECT

Corn _____ Small Grains _____ Potato _____ Variety _____

Certified seed planted? _____ Acres grown _____

Seed purity (% weed seeds) _____ Date planted _____

Amount of seed planted per acre _____ % seed germination _____

Depth planted (inches) _____ Planting implement used _____

Previous crop in field _____ Herbicides used last year _____

Soil texture: Coarse (sandy) _____ Medium (loamy) _____ Fine (clay, silt) _____

Topography: Level _____ Gently rolling _____ Steep _____

Soil problems (drainage, salts, etc): _____

Soil test results: pH _____ % organic matter _____ Phosphate _____ Phosphorus _____

Fertilizer used: Broadcast _____
(grades & lb/A) Starter _____
Sidedress _____

Type of basic tillage used: Moldboard plow _____ Chisel plow _____

Field cultivator _____ No. Times _____ Disk _____ No. Times _____

Other (specify) _____

Annual weed problems observed: (identify by species if possible)

Grasses: _____ Broadleaves: _____

Perennial weed problems (examples: quackgrass, Canada thistle): _____

Wild oat herbicide used Stage of growth: crop, weed Grass herbicide used, Stage of growth: crop, weed

Broadleaf herbicide used _____ Stage of growth: crop _____ weed _____

Rate of herbicide used _____

Were weeds effectively controlled? Yes _____ No _____

Insect problems observed

Insecticides used:

Disease problems observed

Fungicides used

Lodging problem?

Rainfall amount during season: Too much _____ Enough _____ Not enough

Date of harvest _____ Method of harvest

Harvesting problems

Yield (bu/A) _____ Moisture content (% if applicable)

What did you do with your crop? Storage
Market (immediate or future) _____ Feed

List Project Activities (demo, project talk, field trips, project meetings attended/conducted, fair exhibits, tours, etc.)

<u>Activity</u>	<u>What I Did</u>	<u>What I Learned</u>
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PROFIT DETERMINATION

1. Receipts		Total
Yield of crop (bu)	@ \$ _____ =	

2. Production expenses:

Land charge _____	Cost of seed
Cost of chemicals (weeds, insects, diseases)	
Cost of commercial fertilizer	
Machinery costs:	
Tractor	
Other	
Fuel costs	
Custom work hired	
Total production expenses	

3. Profit :