

Noble County 4-H Crops Record Sheet

Intermediate: Grades 6-8

Name _____ Grade (as of Jan. 1) _____

Club _____

Leader's Signature _____

Please place a check beside the project(s) you are taking:

Corn _____ Alfalfa _____ Wheat _____

Oats _____ Soybeans _____ Mixed Hay _____

Crop Records

1. How many acres are in the 4-H project crop field? _____

2. Who farms this field? _____ How did you help? _____

3. What type of tillage was utilized to prepare the field for planting? _____

4. What date was the crop planted? _____

5. What hybrid or variety was planted? _____

6. How many pounds of seed or seeds were planted per acre? _____

7. What do the following initials and numbers represent?

N _____ P₂O₅ _____ K₂O _____

8. Is nitrogen used as an herbicide, insecticide, or fertilizer? _____

9. Is P₂O₅ used as an herbicide, insecticide, or fertilizer?

10. What type of fertilizer was applied to this crop?

a. Was livestock manure applied to this field? _____

b. If yes, what type of manure was utilized? _____

c. Other than manure, list the types of fertilizer used. _____

Field Survey

To complete this survey, visit your field three different times and fill in the blanks as outlined below:

	Survey 1 (early season)	Survey 2 (mid-season)	Survey 3 (just before harvest)
Date	_____	_____	_____
Crop description	_____	_____	_____
Number of leaves per plant (average 10 plants)	_____	_____	_____
Plant height (average 10 plants)	_____	_____	_____

Insects present: Write down the kinds of insects and numbers you find.

Insect name	Number	Number	Number
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Weeds present: Write down the number of weeds you find in 10 feet of row. For broadcast plantings use a 1 by 10 foot area.

Weed name	Number	Number	Number
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Health problems: Write down the kinds of problems you see and the number of plants with the problems (spots, stripes, holes, yellowing, falling over, rotting).

Problem	Number	Number	Number
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Financial Record

Expenses

	\$ per acre	x	# of acres	=	\$
Field *	_____	x	_____	=	\$ _____
Power and machinery *	_____	x	_____	=	\$ _____
Fertilizer costs	_____	x	_____	=	\$ _____
Seed costs	_____	x	_____	=	\$ _____
Chemical costs	_____	x	_____	=	\$ _____
Other _____	_____	x	_____	=	\$ _____

<u>Sales</u> (You may estimate)	yield	x	price	=	\$
	_____	x	_____	=	\$ _____

Actual or Projected Income or Loss \$ _____

* You may use your parents' land and machinery. Enter the rental rates in the 'field' and 'power and machinery' blanks.