

# Cass 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 or mixed hay \_\_\_\_\_ Wheat \_\_\_\_\_

Oats \_\_\_\_\_ Soybeans \_\_\_\_\_

### 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 \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

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

9. Is P<sub>2</sub>O<sub>5</sub> 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.

