

# Cass County 4-H Crops Record Sheet

Advanced: Grades 9-12

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 \_\_\_\_\_

Brand and type of seed used: \_\_\_\_\_

## Your Crop Production Practices

### 1. Tillage

Date	Type of tillage	Depth	Other notes
_____	_____	_____	_____
_____	_____	_____	_____

### 2. Planting Record (Record as appropriate)

Date Planted	Hybrid or variety	Germination	Seeds planted	Depth planted	Row width	Final Population
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### 3. Chemicals Applied (Herbicides, insecticides, etc.)

Date	Chemical formulation	Rate	Method of application
_____	_____	_____	_____
_____	_____	_____	_____

4. Fertilizer Applied

          Pounds of nutrient applied per acre:

Date Applied	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	(micro., lime, etc.)	Type of fertilizer (NH, 45%, etc.)	Method of application (surface plowdown, etc.)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

5. What crop pests did you notice in your field?

- a. weeds: \_\_\_\_\_  
\_\_\_\_\_
- b. insects: \_\_\_\_\_  
\_\_\_\_\_
- c. diseases: \_\_\_\_\_  
\_\_\_\_\_
- d. other (example: mites, nematodes or deer): \_\_\_\_\_  
\_\_\_\_\_

6. What pesticides were utilized to control pests in this field?

- a. Herbicide(s) used to control weeds: \_\_\_\_\_
- b. Insecticide(s) used to control insects: \_\_\_\_\_
- c. Other (example fungicide or miticide): \_\_\_\_\_

7. Have crop pests significantly lowered crop yield? \_\_\_\_\_

8. Was the weather favorable for your crop this year? \_\_\_\_\_

9. Weather information:

- a. Soil temperature at planting: \_\_\_\_\_
- b. Were the soil conditions too dry, too wet, or appropriate when the field was tilled \_\_\_\_\_ and when the crop was planted? \_\_\_\_\_

- c. How many inches of rain have fallen on this crop through harvest or when this record sheet was filled out? \_\_\_\_\_
- d. Would you describe air temperature as being too cool, too warm, or appropriate for this crop?  
\_\_\_\_\_
- e. If poor weather has reduced crop yield, describe how it impacted the growth and development of this crop.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- f. Was this crop irrigated? \_\_\_\_\_ What type of irrigation system was utilized? \_\_\_\_\_  
\_\_\_\_\_

### 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	_____	= \$ _____

**Sales** (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.

