



# Crop Production Project Worksheet

Your name \_\_\_\_\_ Production year \_\_\_\_\_

Years enrolled in crop project \_\_\_\_\_

My goals for this year are \_\_\_\_\_

What I did and learned as I worked toward my goals \_\_\_\_\_

Kind of crop \_\_\_\_\_ Acres in project \_\_\_\_\_

Type of soil \_\_\_\_\_ % Slope \_\_\_\_\_

Yield goal \_\_\_\_\_

Planting date \_\_\_\_\_ Distance between rows \_\_\_\_\_ inches.

Planting rate: I planted \_\_\_\_\_ seeds every \_\_\_\_\_ inches.

**Table 1. Field history.**

History of plot area for the past 2 years.						
Year	Crop grown	Total fert. applied (lb/A)			Was area manured?	Amount of lime applied per acre
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		
1 yr. ago						
2 yrs. ago						

**Table 2. Soil test recommendations for this year's crop.**

Your sample no.	Laboratory analyses						Lime lb/A of calcium carbonate	Nutrient recommendations for crop grown (lb/A)		
	Organic matter %	P	K	Soil	Buffer	Plow depth (in.)		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O

Were any other nutrients recommended? \_\_\_\_\_ If yes, what nutrients and how much? \_\_\_\_\_

**Table 3. Financial arrangement.**

A. **Credit arrangement.** To finance this project I borrowed \$ \_\_\_\_\_ from \_\_\_\_\_ at \_\_\_\_\_ percent interest. I paid it back as follows:

Date \_\_\_\_\_ principal \$ \_\_\_\_\_ interest \$ \_\_\_\_\_

Date \_\_\_\_\_ principal \$ \_\_\_\_\_ interest \$ \_\_\_\_\_

Total principal \$ \_\_\_\_\_ Total interest \$ \_\_\_\_\_

B. **No credit arrangement.** To finance this project I used \$ \_\_\_\_\_ of my own money for fertilizer, seed, and other cash costs. I allowed \_\_\_\_\_ percent interest on this money or \$ \_\_\_\_\_ as the cost of having my money invested in this project.

**Table 4. Fertilizer applied for this year's crop (per acre).**

Date	Application method	Amount (lb/A)	Analysis

Was any manure applied? \_\_\_\_\_ How much \_\_\_\_\_ (tons/A)

List all tillage operations in order performed \_\_\_\_\_

\_\_\_\_\_

Conservation practices applied \_\_\_\_\_

\_\_\_\_\_

Pest management (weeds, insects, diseases) \_\_\_\_\_

\_\_\_\_\_

Pest control method (include kind and amount) effectiveness \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Table 5. Total machinery costs.**

Machine Operation	Rate per acre*	Total cost per acre
Tillage		\$
Planting		\$
Pest Control		\$
Harvest		\$
Delivery		\$
Total	XXXX	\$

\*Ask for this year’s custom rate guide at your county extension office.

**Table 6. Total other costs.\*\***

1. Drying costs per bushel \_\_\_\_\_ times bushels per acre \_\_\_\_\_ gives \$ \_\_\_\_\_ drying costs per acres. (Use custom rate guide or local elevator rate.)
2. Seed: \$ \_\_\_\_\_ cost per acre.
3. Fertilizer: \$ \_\_\_\_\_ cost per acre.
4. Lime: If applied for this crop, divide total cost per acre by 5 to prorate cost of 5 years = \$ \_\_\_\_\_ cost per acre (for single year).
5. Herbicides: \$ \_\_\_\_\_ cost per acre.
6. Insecticides: \$ \_\_\_\_\_ cost per acre.
7. Land charge: If cash rented, use actual per acre rent. Otherwise, land value per acres x 7%, plus taxes = \$ \_\_\_\_\_ cost per acre.
8. Other (include interest from Table 3) \_\_\_\_\_ \$ \_\_\_\_\_ cost per acre.

\*\*Include costs of application in the cost of fertilizer, lime, herbicides, and insecticides, except where these are included as part of planting costs.

**Table 7. Harvest report.**

Variety	Date of harvest	Harvest moisture percentages	Plant population (plants per acre, or plants per foot of row)	Yield(bu/A) at appropriate moisture level)***

\*\*\*Use moisture percent for commonly quoted grade (Ex: Corn 15.5%, Soybeans 13%).

**Table 8. Gross income per acre.**

Corn: Yield per acre at 15.5% moisture \_\_\_\_\_, times local elevator price per bushel on date of harvest \_\_\_\_\_, of the sample which grades No. \_\_\_\_\_ corn = \$ \_\_\_\_\_ gross income per acre.

Other crops: Yield per acre at \_\_\_\_\_ % moisture \_\_\_\_\_, times local elevator price per bushel on date of harvest \_\_\_\_\_ = \$ \_\_\_\_\_ gross income per acre.

**Table 9. Financial Summary.**

	Landlord (or parent)	Tenant (or member)
1. Gross income per acre –Table 8	\$ _____	\$ _____
2. Machine costs per acre – Table 5	\$ _____	\$ _____
3. Drying costs per acre – Table 6, line 1	\$ _____	\$ _____
4. Seed costs per acre – Table 6, line 2	\$ _____	\$ _____
5. Fertilizer costs per acre – Table 6, line 3	\$ _____	\$ _____
6. Lime costs per acre – Table 6, line 4	\$ _____	\$ _____
7. Herbicide costs per acre – Table 6, line 5	\$ _____	\$ _____
8. Insecticide costs per acre – Table 6, line 6	\$ _____	\$ _____
9. Land charge or rent per acre – Table 6, line 7	\$ _____	\$ _____
10. Other expenses per acre – Table 6, line 8	\$ _____	\$ _____
11. Total expenses (add lines 2 through 10)	\$ _____	\$ _____
12. Net return	\$ _____	\$ _____
13. Total return for project (line 12 times number of acres in project)	\$ _____	\$ _____

What citizenship or leadership activities did you do in the crops project? \_\_\_\_\_

What communication did you do in the crops project? \_\_\_\_\_

List recognition received in the crops project. \_\_\_\_\_

How do you feel about your accomplishments in the crop project? \_\_\_\_\_

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