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_2O_5	K_2O		
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_2O_5	K_2O

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

_____

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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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