

NAME \_\_\_\_\_ COUNTY \_\_\_\_\_ CLUB \_\_\_\_\_

YEAR \_\_\_\_\_

## Illinois 4-H Crops and Soils Record

Circle the unit in which you are enrolled. Use a separate record for each unit.

CORN

SMALL GRAINS

SOYBEANS

Number of years in Crops and Soils Project \_\_\_\_\_

Division in which are you enrolled (circle one):    I        II        III        IV

Complete your project plan below after discussing ideas with your parents and your 4-H Crops and Soils Project leader. See your 4-H member's booklet for ideas. Also add your own ideas.

### Project Plan

Exercise number	Date you expect to start	People who will help you (parents, 4-H project leader, etc.)	The most interesting part of the exercise

Exhibit (describe what you exhibited and where): \_\_\_\_\_

\_\_\_\_\_

Talk or demonstration (describe what you demonstrated and where): \_\_\_\_\_

\_\_\_\_\_

Parent: What do you feel your child learned from this project? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project leader: What do you feel this member learned from this project? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Crop Production

(To be completed by members who are involved in raising one or more acres of crops. You may also want to add a sheet on which you record what you did or observed each day while producing your crop.)

## Financial Agreement

Describe the financial agreement you have in regard to land, machinery, labor, and inputs. How does it involve you, your parent, owner, or money lender? (If you traded labor for some of your costs, record that info in the Machinery and/or Labor section.)

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## Land

Soil type \_\_\_\_\_ Percent slope (range) \_\_\_\_\_

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

Previous two years' crop and yield \_\_\_\_\_

Was a cover crop used in the prior year? \_\_\_\_\_

Your soil test					Date _____	
Sample Number	pH	Available phosphorus (P <sub>1</sub> test)	Available potassium (K test)	Percent organic matter	Recommendation	Application
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

## Seed

Varieties	# of units	Planting date	Planting rate	Depth	Row Spacing	Yield	Total Production	Remarks

**Pest Management (diseases, insects, weeds)**

Pest	Date noticed	Control Method (kind and amount)	Effectiveness

**Weather**

Describe the effects of any weather condition that may have influenced production of your crop\_\_\_\_\_

\_\_\_\_\_

Total Monthly Precipitation:

Jan\_\_\_\_\_ Feb\_\_\_\_\_ March\_\_\_\_\_ April\_\_\_\_\_

May\_\_\_\_\_ June\_\_\_\_\_ July\_\_\_\_\_ Aug\_\_\_\_\_

Sept\_\_\_\_\_ Oct\_\_\_\_\_ Nov\_\_\_\_\_ Dec\_\_\_\_\_

**Harvesting and Storage**

Method of harvest\_\_\_\_\_ Method of storage\_\_\_\_\_

Yield per acre\_\_\_\_\_ Crop quality (good, fair, poor) \_\_\_\_\_ Harvested at \_\_\_\_\_% moisture

Method of drying\_\_\_\_\_ Stored at \_\_\_\_\_% moisture

**Marketing**

Record the local cash price on the 15<sup>th</sup> (or closest date) of each month for the crop you have chosen. Refer to local grain elevators. Indicate the unit you are using (bushels, tons) \_\_\_\_\_

Jan\_\_\_\_\_ Feb\_\_\_\_\_ March\_\_\_\_\_ April\_\_\_\_\_

May\_\_\_\_\_ June\_\_\_\_\_ July\_\_\_\_\_ Aug\_\_\_\_\_

Sept\_\_\_\_\_ Oct\_\_\_\_\_ Nov\_\_\_\_\_ Dec\_\_\_\_\_

\*Unit price received for your crop (dollars per bushel, ton) \_\_\_\_\_ Date \_\_\_\_\_ OR

\*Date you intend to sell your crop\_\_\_\_\_ Futures contract price\_\_\_\_\_

(If grain is not marketed by 8/31, use the cash price on 8/31 to determine value for any unpriced grain.)

## Cost of Production Summary

### A. Inputs

Material	Kind used	Amount applied per acre	Total amount used	Cost per unit (pound, gallon, ton)	Cost	
					Total	Member's share
Seed						
Commercial Fertilizer						
Manure						
Chemicals						
Land Rental						
Crop Sales Deductions						
Drying/storage						
Delivery						
Quality Costs						
Check off Costs						
Totals						

(A) Total \_\_\_\_\_

### B. Machinery

This should include costs for operations such as plowing, disking, planting, cultivation, spraying, harvesting, Drying, transporting, and storing. Use "Machinery Costs", available at Farmdoc/Management:

<http://www.farmdoc.illinois.edu/manage/index.asp>.

Type of work	Number of acres or hours	Rate per acre or hour	Cost	
			Total	Member's share
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
			(B) Total _____	

### C. Labor

By whom	Number of hours	Rate per hour	Total cost
Member	_____	_____	_____
Family or hired help	_____	_____	_____
(C) Total			_____

### D. Crop Yield Record\*

Crop harvested	Date harvested	Number of acres (bushels)	Total yield (tons, bales) acres	Yield per per unit	Market value Total	Value of crop	
						Member's share	
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
(D) Total						_____	_____

\* If the crop has not been harvested, estimate the yield. If this is a small grain crop, include the value of straw harvested in the yield record (e.g., crop harvested: oat grain, oat straw). If a small grain was seeded to a legume, this fact should be recorded. The value of a good stand is equal to one-half the production cost of the small grain (or one-half of A + B + C).

### Summary

	Total	Member's share
1. Total income from project (D)	_____	_____
2. Total production cost (A + B + C)	_____	_____
3. Profit (+) or loss (-)	_____	_____
4. Cost per unit produced (divide expenses [2] by total yield [4 <sup>th</sup> column of D])	_____	_____



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