CROPS

NAME_____COUNTY_____CLUB_____

YEAR_____

CROPS

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? _____

_____

_____

Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Dennis R. Campion, Interim Director, Cooperative Extension Service, University of Illinois at Urbana-Champaign. The Illinois Cooperative Extension Service provides equal opportunities in programs and employment

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.)

_____

_____

_____

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_1 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 15th (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	Total yield (tons, bales) bushels)	Yield per acres	Market value per unit	Value of crop 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 [4th column of D])		

Illinois Extension
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

(Revised July, 2016)
University of Illinois * U.S. Department of Agriculture * Local Extension Councils Cooperating
University of Illinois Extension provides equal opportunities in programs and employment.