

Table of Contents

Page

Introduction	2
Project Requirements	3
Oral Presentation	
Record Book Evaluation	
Exhibit Points	6
Your Market Quality Evaluation	7

OBJECTIVES OF 4-H SMALL GRAIN PROJECT

- 1. To learn the fundamental principles of small grain production through project work, demonstrations, and activities.
- 2. To maximize yields, improve quality, reduce per unit costs, and increase profits.
- 3. To increase understanding of best management practices.
- 4. To improve the quality of exhibits at fairs.
- 5. To understand the impacts of market and quality factors.

Introduction to the Small Grain Project

The small grain crop project is divided into four parts. All four parts of the project must be completed to be eligible to receive a 4-H Small Grain Grower Certificate and be eligible for 4-H Champion Small Grain Grower. A 4-H Champion Small Grain Grower will be selected based on the results of the following four categories:

Category I.	Oral Presentation During County Field Tour Total Points Possible
Category 2.	County Fair Exhibit Total Points Possible
Category 3.	Yield and Market Quality Evaluation Total Points Possible
Category 4.	Record Book Total Points Possible100
TOTAL MAXIMUM PO	DINTS

APPROVAL AND ASSISTANCE OF PARENTS

This is to certify that I have read and approved the enclosed instructions, and that I will encourage my son or daughter to keep an up-to-date record book and to fulfill the requirements of the Small Grain Project.

Signature of Parent/Guardian _____

Club Name and Number _____

Date _____



REQUIREMENTS OF THE SMALL GRAIN PROJECT

- 1. Plant a minimum of five acres of small grain. If the chosen crop is malting barley, then plant with a source and variety approved by the malting barley contract. <u>An individual contract with the</u> <u>malting barley company is required.</u>
- 2. Club members must own their own project with a bona fide project agreement of contract with the parent or landlord as to machinery, labor, seed, share, etc. This must be signed by parent, leader, and contracting company field representative.
- 3. Use the best management practices as approved by the Cooperative Extension System for all crop-related activities, including land selection, seedbed preparation, planting, soil testing, fertilizing, cultivating, irrigation, and pest control.
- 4. Prepare an operating budget and keep accurate records of all labor, materials, and practices used.
- 5. Make an oral on-site presentation on a topic pertaining to cultural practices during the county field tour.
- 6. Prepare and exhibit your project at the county fair.
- 7. Carry project through harvest and quality evaluation.
- 8. Regularly attend 4-H club meetings and participate in club activities.
- 9. Complete your project record book and turn it in to your extension educator on or before the county fair.



THE ORAL PRESENTATION **COUNTY SMALL GRAIN FIELD TOUR**

The oral presentation is intended to provide you with an opportunity to learn more about your project and to share your ideas and experiences with others. Your oral presentation will be evaluated as follows:

Organization and Content		Points Possible	Your Score
Opening comments		5	
Background Information (field	history and site information)	10	
Knowledge and understandin	g of practices used (below)	15	
Variety Fertilization Pest control Seedbed preparation	Seed treatments Planting information Cultivation practices Irrigation scheduling		
Presentation		20	
Posture Pronunciation Distinct speech	Friendliness Ease and confident manner Handling of Questions		
General Appearance of Field		30	
Field borders Weed control Disease control	Plant population Insect damage Appearance of plants		
Personal Involvement		20	
101 TOTAL POINTS POS	SIBLE	Your Final Score	

Judged by: _____ Date: _____

PARENTS ARE ENCOURAGED TO ATTEND FIELD TOUR!



RECORD BOOK EVALUATION

During Project Year

Торіс	Date	Signature	Score*
Financial Performance Over Time (p. 3)			
Small Grain Budget (p. 4)			
Cash-Flow Worksheet (p. 5)			
General Information, Management Agreement (p. 6)			
Soil Information (p. 7)			
Field Map (p. 8)			
Growth Stages in Grain (p. 8)			
Water Usage (p. 9)			
Project Information, Seed Cost (p. 12)			
Machinery and Equipment Costs (p. 13)			
Fertilizer Costs (p. 13)			
Chemical Costs (p. 13)			
Labor Record (p. 14)			
Other Operating Expenses (p. 15)			
Yield and Crop Revenue (p. 15)			
Financial Summary (p. 16)			
General Information About Your Project (p. 17)			
Your Project Story (p. 18)			
Demonstration topic:			

Additional comments:	Score*

*Scores are determined as follows:

- 3 Page is completed accurately and on time.
- 2 Page is either late or incorrectly done.
- I Page is late and done incorrectly.

0 Lack of effort in completion of page and accuracy of work.



Your Record Book Score

All 4-H project record books will be graded under supervision of an extension educator at end of project year.

Points Possible	Your Score	
Completeness	30	
I. All blanks properly filled		
Accuracy	30	
I. Dates and accounts are correct.		
2. Record appears logical.		
3. Record is kept throughout the year		
and essential information is entered at proper time.		
Results - Story - Questions	30	
I. Record shows good management,		
development, and care of project.		
2. Proper language is used.		
3. Record shows that experience was gained		
and that approved practices were followed. 4. Questions are answered properly.		
Neatness	10	
I. Writing is legible (pen or pencil)		
 Book is reasonably clean. Record shows signs of use. 		
TOTAL	100	

Graded by: _____ Date: _____

Your County Fair Exhibit Points

	Points Possible	Your Score
Best of Class	5	
Blue Ribbon	20	
Red Ribbon	15	
White Ribbon	5	
Exhibit at Fair	25	
TOTAL	50	

Signed by Club Leader;	 Date:
0 /	



Your Market Quality Evaluation

	Points Possible	Your Score
Protein	10.0% - 11.5	
	11.6% - 12.5%	
	12.6% - 13.0%	
	13.0% + Reject	
Screenings	0 - 7% 20	
	>7% - 15% 15	
	>15% - 20% 10	
	>20% Reject	
Moisture	10% - 11% 15	
	11% - 12%	
	12% - 13% 5	
	>13% Reject	
Color	75 - 100 15	
	60 - 74 10	
(40 - 59	
	<40 Reject	
Foreign Kernels	(does not include wild oats*)	
	0	
	>0 - 0.5%	
	>0.5% Reject	
*Reject if wild	oat content is greater than 1%.	
Damaged and F	Diseased Kernels	
	>0 - 2.0%	
	>2.0% - 3.5%	
	>3.5% Reject	
Skin and Broker	n Kernels	
	0 - 1.0%	
	1.0% - 2.0%	
	>2.0% Reject	
	TOTAL 100	

Rejection in any category will automatically cause disqualification, resulting in a total score of zero.







