1950

Nebraska Record Book for Second Year 4-H Soil Conservation Club Member: Extension Circular Form 18-11-2

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Name of Member

Post Office

County

Age __ January 1, 19__

Grade in school ________

No. Years

Name of Club

Project

Leader

Assistant Leader

---Keep a Good Record---

A good record will help you learn more from your project. Write things down when they happen. If you wait, you will forget something. Keep accurate information on planting dates and when tillage operations were performed. This may help in determining why you secured a good or a poor stand.

Take before and after pictures. Examples of before pictures: gullies, eroded fields, land needing drainage, fields before being irrigated, erosion around farmsteads, feedlots and farmstead before planting trees. After pictures: Take after changes have been made.

Keep this record book with your other conservation club records.
PROPOSED PROGRAM OF THIS CLUB THIS YEAR.

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<tr>
<th>Date</th>
<th>Place</th>
<th>What to do</th>
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Problem I

BUILDING A TERRACE WITH A MOLDBOARD PLOW

The requirement here is assist or observe building a terrace after seeing a terrace built, answer the questions below.

1. Did you use the "Island" method described in your manual? If not, describe the method used.

2. What piece of farm machinery did you use?

3. How large was the tractor? How fast did the tractor travel?

4. How long did it take to build 100 feet of terrace?

5. How much did it cost to build 100 feet of terrace? Consider (1) Labor, (2) hourly hire for tractor and machinery. You will need to do some simple arithmetic to determine cost. For example: 560 feet of terrace was built. This is 5.6 hundreds of feet. Cost of labor was $2.00; Machinery $8.00. Total $10.00. The answer is $10.00 ÷ 5.6 = $1.80.

6. After the terrace is built, score it according to the instructions on page 9 of your manual. Fill in the blanks below.

   a. Back slope of channel _____ feet
   b. Channel _____ feet
   c. Front slope of terrace ridge _____ feet
   d. Back slope of terrace ridge _____ feet
   e. Cross sectional area of channel _____ square feet
   f. Height of terrace ridge _____ inches
Problem II

FARMING TERRACED LAND

The requirement here is to do or assist with some of the farming operations on terraced land. In the space below briefly describe the farming you have done or assisted with on terraced land.

Problem III

MAINTAINING TERRACES

The requirement for this problem is to do one of the following:

A. Participate in a club problem of maintaining a terrace by plowing.
B. Correct lows in terrace ridges and high points in channels.
C. Repair the discharge end of the terrace.

Briefly describe below what you have done for this requirement.

Problem IV

GRASS AND YOUR PASTURE

The requirement for this problem is to take part in planning a pasture rotation, or to help seed five acres of permanent pasture. Describe what you did. Make a diagram if it will help.
Problem V

THE FARMSTEAD WINDBREAK

Your requirement in this problem is to help set out a farm windbreak or to help in caring for a windbreak.

1. In the checkered space below sketch the windbreak and buildings with which you worked.

2. How many rows in the windbreak?

3. List the different kinds of trees and number of each.

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4. How far apart are the rows?

5. Where were the trees obtained?

   What did they cost per 100?

6. When were the trees planted?

   Month    Year
Problem VI

STUBBLE MULCH FARMING

The requirement is to take part in the club demonstration on page 28 of your manual or to assist in a stubble mulch farming program on your own farm. If you can, do both of these.

1. Record of stubble mulch demonstration:
   
   a. Time application was started
   b. Time runoff starts
   c. Calculate number of minutes from time started until runoff starts
   d. Gallons of water applied when runoff starts
   e. Total gallons of runoff at end of demonstration.
   
   f. Calculate:
      
      Inches of water applied
      Inches of water runoff
      Inches of water absorbed by soil

   g. Which plots holds water best?
   h. Which plot lost the most soil?

2. Describe below the stubble mulch farming with which you assisted. Include machinery used, time of year, and how successful you think the stubble mulch program was.
Problem VII

YOUR CONSERVATION FARM OR RANCH PLAN

You are to discuss and take a tour if possible of a farm using a conservation plan. From this you will get some ideas about your own farm.

Make a diagram of your home farm before any conservation practices were applied. Show field arrangement. Indicate number of acres in each field.

Now make a diagram showing your farm as it would look with a complete conservation plan in effect. Use green pencil for approved practices already in effect and red pencil for those that are planned.
Describe below what happened on your club tour and the achievement day. Either one or both.

---

**Project Summary**

**EXPENSES**

Enter the record of all money you spend for seed, trees, work, and materials used.

<table>
<thead>
<tr>
<th>Date</th>
<th>Kind of Expense</th>
<th>Amount</th>
<th>Cost per Unit</th>
<th>Expense</th>
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<tbody>
<tr>
<td>April 10</td>
<td>Tractor</td>
<td>3 hours</td>
<td>1.50</td>
<td>$4.50</td>
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CHECK THE FOLLOWING THAT YOU HAVE COMPLETED.

I. Assist or observe building of a terrace.  
   Take part in scoring a terrace.  
II. Assist with farming operation on terraced land.  
III. Do one of the following:  
   A. Participate in a club problem of maintaining a terrace by plowing.  
   B. Correct lows in terrace ridges and high points in channels.  
   C. Repair the discharge end of the terrace.
IV. Do one of the following:
A. Assist in planning a pasture program for your farm using warm and cool season grasses, supplemental feed and temporary pasture.
B. Assist in preparing and seeding 5 acres permanent pasture.
C. Set up a system of rotational grazing on your farm.
D. Take part in Grass identification contest.

V. Do one of the following:
A. Assist in setting out farm windbreak.
B. Help care for windbreak.

VI. Do one of the following:
A. Assist with stubble mulch demonstration.
B. Assist with stubble mulch farming at home.

VII. Make conservation plan diagram of your home farm.

VIII. Attend club tour or Achievement Day.

MY 4-H ACTIVITIES IN THIS PROJECT

Offices I held

My club held meetings. I attended meetings.
The club met at my home times.

(Check activities in which you took part and tell more about them in your story.)
I led in group singing , games , group discussions , secured new members, took part in: health improvement , health examination , 4-H picnic , 4-H tour , prize trip , 4-H camp , conservation camp , judging day , demonstration day , song contest , showmanship , dress revue , other 4-H events

MY DEMONSTRATION RECORD

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<th>Team</th>
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<td>Where Held</td>
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MY EXHIBITION RECORD

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We have read and approved this report:

Parent Leader Agent