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Teach Demonstrate Learn About Crop Production

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Teach Demonstrate Learn About Crop Production

SOUTH DAKOTA STATE COLLEGE
Brookings, South Dakota



COOPERATIVE EXTENSION SERVICE

Field Crops

Objectives

1. To learn, practice and demonstrate how to:
 - A. Manage the soil through the use of fertilizers, tillage and other good practices.
 - B. Produce quality crops by use of good seed and controlling insects, diseases and weeds.
 - C. Use equipment and labor to best advantage.
 - D. Harvest, process, store and market high quality crops.
2. To learn that an important relationship exists between the cropping program and the type of dairy, livestock and poultry operation on the farm.
3. To provide interesting experiences through demonstrations, exhibits, tours, judging and comparing results.
4. To develop leadership talents and work toward achieving the broad objectives of character and effective citizenship.
5. To become aware of job possibilities on the farm and in related industries through the field crops program by meeting people concerned with crops—successful farmers, college and industrial men, market and sales people, writers and others.

Project Requirements

Beginners (under 3 years 4-H experience) 9-12 years old

1. Plant and care for an acreage of an adapted variety of any of the following crops: (never less than 1 acre—5 or more recommended) Corn, barley, wheat, oats, flax, sorghum, soybeans, rye, legume, grass, potatoes or any other crop adapted to South Dakota.

2. Attend Club meetings and give at least one demonstration at club.
3. Study sections on "Choosing a variety and preparing the seed for planting." "Seed bed preparation and planting," and "harvesting." (Study of other sections if members are ready and time permits.)
4. Exhibit crop (if harvested by achievement day time).
5. Keep records on cost of product.

Intermediate (4-7 years 4-H experience) 13-16 years old

1. Plant and care for acreage of an adapted variety of one of the crops. (Increase acreage.)
2. Attend club meetings, demonstrate at club and at public meetings.
3. Continue study of sections on "Varieties," "Seed Bed Preparation" and "Harvesting" plus study of "Soil Fertility," "Weed Control," "Diseases of Crops" and "Insect Pests." (Study of advanced sections may be included if members are ready and time permits.)

Advanced (8-11 years 4-H experience) 17-21 years old

1. Assist leader with younger members.
2. Increase acreage and possibly the number of different crops produced.
3. Study sections on "Harvesting, Drying and Storing" and "Marketing."
4. Continue demonstrations as technique to instruct younger members.
5. Exhibit.
6. Keep accurate cost records.
7. Do some experimental work on fertility, varieties, insect, weed and disease control, etc.

Compiled by Frank J. Heitland, State 4-H Club Agent

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