

## Department 14 – Plant and Soil Science

701, 702, 703

Superintendents: Mark Alden, Judy Alford,  
Joy Campshure, Brett Iverson, Rose McMahon

### Requirements:

1. Youth enrolled in 4-H, FFA, or other youth groups in a supervised fruit and/or vegetable project are eligible to participate in this project.
2. Field crops exhibited must be of the current year's crop unless noted and from the exhibitor's own fields.
3. Hay must be thoroughly cured and haylage must be fermented.
4. Dry hay exhibits should be a 4 inch thick slice from a small square bale or equivalent amount cut from large round or square bale placed in a clear plastic bag.
5. Haylage and silage exhibits should be a completely filled (approximately 4 quarts), one gallon sized zipper locked clear bag. Corn silage may be from previous falls' harvest.
6. Small grain exhibits should be a completely filled (approximately 4 quarts), one gallon-sized zipper locked clear bag. Label with variety.
7. Small grain sheaves should be 3 to 4 inches in diameter, dried, cured and labeled with variety.
8. Corn grain must be shown on the cob, husked, and labeled with hybrid identification and maturity.
9. Corn stalks must include root placed in plastic bag. Stalks must be tied and labeled with hybrid identification and maturity
10. Field crop exhibits may be removed after 8:00 p.m. on Sunday.

### ***MOST UNUSUAL PLANT GROWING SITUATION CONTEST***

1. Category - Vegetables
2. Category - Houseplants and garden flowers

Contestants must have exhibited 5 items in either vegetables or plant area. Participants can enter by completing a short entry form available at the Extension Office. Must include a photo of vegetable or plant growing in an unique situation. Photograph must have a sign in it depicting the year it was grown or the situation in which it existed. The winner in each category will receive a \$25.00 prize.

### **PREMIUMS**

|                                | <u>1st</u> | <u>2nd</u> | <u>3rd</u> | <u>4th</u> |
|--------------------------------|------------|------------|------------|------------|
| <b>Class A</b> - Grades 3-5    | 2.00       | 1.75       | 1.50       | 1.25       |
| <b>Class B</b> - Grades 6-8    | 2.50       | 2.25       | 2.00       | 1.75       |
| <b>Class C</b> - Grades 9 & up | 3.00       | 2.75       | 2.50       | 2.25       |

### **GROWING CORN** - Project Code 701

Lot Nos.

1. Corn, 8 ears, husked, identify variety and maturity
2. Corn, shelled, 4 qts. in a 1 gal. zipper locked clear bag, identify variety, may be from previous year
3. Corn, high-moisture, 4 qts. in a 1 gal. zipper locked clear bag, may be from previous year
4. Corn, 3 stalks, identify variety and maturity, tied, roots placed in plastic bag

**GROWING FORAGE - Project Code 702**

5. Alfalfa Sheaf, 3 - 4" in diameter
6. Red Clover, Sheaf, 3 - 4" in diameter
7. Alfalfa hay – first cutting - may contain grass.
8. Alfalfa hay – second or subsequent cutting - may contain grass.
9. Haylage - 1st crop, 4 qts. in a 1 gal. zipper locked clear bag.
10. Haylage - 2nd crop, 4 qts. in a 1 gal. zipper locked clear bag.
11. Corn silage - 4 qts. in a 1 gal. zipper locked clear bag – from previous year

**GROWING SMALL GRAINS - Project Code 703**

12. Barley, 4 qts. in a 1 gal. zipper locked clear bag - identify variety
13. Oats, 4 qts. in a 1 gal. zipper locked clear bag - identify variety
14. Wheat, 4 qts. in a 1 gal. zipper locked clear bag - identify variety
15. Soybeans, 4 qts. in a 1 gal. zipper locked clear bag, from previous year – identify variety
16. Barley, sheaf
17. Oats, sheaf
18. Soybeans, sheaf 2½ - 3" diameter at neck, freshly cut
19. Wheat, sheaf

**OTHER FIELD CROPS**

20. Exhibit any other field crop not listed above, identify variety

**COLLECTION CROP WEEDS AND DISEASES**

21. Collection of 10 weeds with identification (dried, pressed and mounted on 14"x 22" poster)
22. Collection of 5 crop specimens showing symptoms of diseases with identification and description of how they harm plants (mounted on 14"x 22" poster)