

# Department 14 – Plant and Soil Science

Superintendents:

**Entry Day** – 1 p.m. – 8 p.m. Tuesday of the fair

**Judging Day** – Tuesday of the fair

**Judging Time** – 1 p.m. - 8 p.m., face to face judging only

**Check Out** – Exhibits will be released between 3:00 pm to 6:00 pm on Sunday of the fair

## Requirements:

- Youth enrolled in 4-H, FFA, or other youth groups in a supervised field crop project are eligible to participate in this project.
- Field crops exhibited must be of the current year's crop unless noted and from the exhibitor's own fields.
- Hay must be thoroughly cured and haylage must be fermented.
- 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 and placed in a clear plastic bag.
- Haylage and silage exhibits should be a completely filled (approximately 4 quarts), one gallon sized zip lock clear bag. Corn silage may be from previous falls' harvest.
- Small grain exhibits should be a completely filled (approximately 4 quarts), one gallon-sized zip lock clear bag. Label with variety.
- Small grain sheaves should be 3 to 4 inches in diameter, dried, cured and labeled with variety.
- Corn grain must be shown on the cob, husked, and labeled with hybrid and maturity.
- Corn stalks must include root placed in plastic bag. Stalks must be tied and labeled with hybrid and maturity

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

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

Contestants must have exhibited 5 items in Department 14. 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.

<b>PREMIUMS</b>	<b><u>1st</u></b>	<b><u>2nd</u></b>	<b><u>3rd</u></b>	<b><u>4th</u></b>
<b>Classes A through E</b>	2.50	2.25	2.00	1.75

## **CLASS A - GROWING CORN - Project Code 70001**

Lot Numbers

1. Corn, 8 ears, husked, identify variety and maturity
2. Corn, shelled, 4 qts. - identify variety, may be from previous year
3. Corn, high-moisture, 4 qts. – must be fermented
4. Corn, 3 stalks, identify variety and maturity, tied, roots placed in plastic bag

## **CLASS B - GROWING FORAGE - Project Code 70002**

Lot Numbers

1. Alfalfa Sheaf, 2 - 3" in diameter
2. Red Clover, Sheaf, 3 - 4" in diameter
3. Alfalfa hay – first cutting - may contain some grass.
4. Alfalfa hay – second or subsequent cutting - may contain some grass.
5. Grass or mixed hay – must be predominantly grass
6. Haylage - 1st crop.
7. Haylage - 2nd crop
8. Corn silage – from previous year

## **CLASS C - GROWING SMALL GRAINS - Project Code 70003**

Lot Numbers

1. Barley, 4 qts. - identify variety
2. Oats, 4 qts. - identify variety
3. Wheat, 4 qts. - identify variety
4. Soybeans, 4 qts.- from previous year – identify variety
5. Any other small grain, 4 qts. - identify species and variety

6. Barley, sheaf – identify variety
7. Oats, sheaf – identify variety
8. Soybeans, sheaf 2½ - 3" diameter at neck, freshly cut – identify variety
9. Wheat, sheaf – identify variety

#### **CLASS D - OTHER FIELD CROPS**

Lot Number

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

#### **CLASS E - COLLECTION CROP WEEDS AND DISEASES**

Lot Numbers

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

#### **CLASS F – PLANT AND SOIL SCIENCE SELF-DETERMINED - Project Code 191**

Self-determined project exhibits are records of projects not listed in the premium list or an expansion of a traditional project beyond limits of the project or in greater depth than the project outlines.

- Posters MUST be 14" x 22".
- Scrapbooks MUST be 8 ½"x 11" or 12" x 12".

<b>PREMIUMS</b>	<b><u>1st</u></b>	<b><u>2nd</u></b>	<b><u>3rd</u></b>	<b><u>4<sup>th</sup></u></b>
	2.50	2.25	2.00	1.75

Lot Numbers:

1. A poster promoting your self-determined project
2. An article made during current year with a 3 x 5 inch card attached identifying resources. The article should be of reasonable size to exhibit in the Expo building
3. A collection made during current year with a 3 x 5 inch card identifying work done
4. A scrapbook with story or essay, drawings, and photos of project work done during the current enrollment year.
5. Any other self-determined project not listed above.