

# DEPARTMENT 14

## PLANT and SOIL SCIENCE

Superintendents: Crops - Jason Sterr 920-960-0373

Garden - Leanne Gensch 920-927-3349

**Entry Day:** Tuesday of Fair Week – checked in by 7:00pm

**Judging Day:** Wednesday 9:00 am

**Judging Location:** Youth Building

- Exhibitor grade as of January 1 of current year.
- Exhibitor must be enrolled in specific project.
- Superintendent may split large classes or combine smaller classes.
- Member must ACTIVELY participate in project.
- Members are responsible for removing entries at checkout time on Sunday of the Fair.**

### **CLASS A - COLLECTION OF WEEDS & PLANT DISEASES**

- Open to all members enrolled in any class below.
  - Exhibit must be selected and prepared during current Fair year and entered by exhibitor.
  - 1. Collection of 10 Weeds, mounted and named
  - 2. Collection of 3 Diseased Plants, mounted and named
  - 3. Booklet related to any species listed below (*Grade 3 only*)
- Premium - Danish Judging    \$3.50    \$3.00    \$2.50    \$2.00**

### **CLASS B - GRAIN**

- Exhibits must be grown in the current Fair year it is exhibited.
  - Grain must be exhibited in a 1-gallon re-sealable bag provided by the exhibitor. Do not overfill bag.
  - Samples should be approximately 3 quarts.
  - You MUST write VARIETY NAME on ENTRY TAG! Will be penalized 1 placing if not indicated!**
  - 1. Winter Wheat (*Grades 3-8*)
  - 2. Winter Wheat (*Grade 9 & Up*)
  - 3. Oats (*Grades 3-8*)
  - 4. Oats (*Grades 9 & Up*)
  - 5. Barley
  - 6. Rye
- Premium - Danish Judging    \$2.50    \$2.25    \$2.00    \$1.75**

### **CLASS C - SHEAF GRAINS**

- Exhibits must be grown in current Fair year; selected and prepared by the exhibitor.
  - Sheaves should be bound tightly with binding material **in 3-5 places**.
  - Stems must be 3-4" in diameter at bottom of sheaf.
  - Preferred binding material is ribbon. Colored string, yarn, or twine is acceptable. Wire and zip-ties are not.
  - Remove leaves from lower nodes but not pods, wash roots lightly.
  - You MUST write VARIETY NAME on your ENTRY TAG! Will be penalized 1 placing if not indicated!**
  - 1. Winter Wheat
  - 2. Oats
  - 3. Barley
  - 4. Rye
  - 5. Soybeans, fresh (**Do not dry**) (*Must be shown with roots and leaves on*) (*Grades 3-8*)
  - 6. Soybeans, fresh (**Do not dry**) (*Must be shown with roots and leaves on*) (*Grades 9 & Up*)
- Premium - Danish Judging    \$2.50    \$2.25    \$2.00    \$1.75**

## **CLASS D - CORN**

-Exhibits must be grown in current Fair year; selected and prepared by the exhibitor.

-**You MUST write the VARIETY NAME and MATURITY on your ENTRY TAG! Will be penalized 1 placing if not indicated.**

1. Hybrid corn - 10 ears (*Grades 3-8*)
2. Hybrid corn - 10 ears (*Grade 9 & Up*)
3. Longest ear of field corn

**Premium - Danish Judging    \$2.50    \$2.25    \$2.00    \$1.75**

## **CLASS E - CORN STALKS**

-Exhibits must be grown in current Fair year; selected and prepared by exhibitor.

-**You MUST write the VARIETY NAME and MATURITY on your ENTRY TAG! Exhibitors will be penalized 1 placing if not indicated!**

-Stalks should be exhibited in 5 gallon pail with roots ON. (A high pressure stream of water from a hose does an excellent job of removing soil from roots.) If necessary, roots can be trimmed to fit in the pail.

-Twine is acceptable for tying.

-**Exhibitor must provide the 5 gallon pail.**

1. Three stalks hybrid corn for **silage**. (*Grades 3-8*)
2. Three stalks hybrid corn for **silage**. (*Grades 9 & Up*)
3. Three stalks hybrid corn for **grain**. (*Grades 3-8*)
4. Three stalks hybrid corn for **grain**. (*Grades 9 & Up*)
5. Most unique corn plant

**Premium - Danish Judging    \$2.50    \$2.25    \$2.00    \$1.75**

## **UNITED CO-OP Grain Crops Award**

- Award \$25 to the best grain crops exhibitor selected by showing 5 or more exhibits in Grain Crops Classes B, C D, E3, E4.

- **To be considered for this award you must sign up on entry day with superintendent.**

## **CLASS F – SHEAF FORAGES (FRESH)**

-Exhibits must be grown in current Fair year; selected and prepared by the exhibitor.

-Sheaves should be bound tightly with binding material in **2-3 places**.

-Exhibit must be 3-4" in diameter.

-Preferred binding material is ribbon. Colored string, yarn, or twine is acceptable. Wire and zip-ties are not.

-Selected when in the right state for good hay, leaves left on.

-**You MUST write VARIETY NAME on your ENTRY TAG! Will be penalized 1 placing if not indicated!**

1. Alfalfa
2. Red Clover
3. Any other grass hay

**Premium - Danish Judging    \$2.50    \$2.25    \$2.00    \$1.75**

## **CLASS G - FORAGES**

-Exhibits must be grown in the current Fair year (*except Corn Silage*); selected and prepared by exhibitor.

-All **hay** exhibits **MUST BE CURED**--It should be air dried down to safe storage moisture. **Haylage** must be fermented from silo. (Horizontal, vertical or bag)

-Alfalfa/Grass Mix should be 25% grass or greater.

-Alfalfa should be less than 25% grass.

-**Baled alfalfa** must be no greater than 4" thickness.

-**Exhibitor MUST PROVIDE a zipper bag or loosely tied clear plastic bag for dry hay exhibit.**

-**Haylage and Corn Silage** samples should be approximately 3 quarts and exhibited in 1 gallon ziploc bag supplied by the exhibitor. Attach tag to outside of bag.

-Staple entry tag to outside of the bag.

1. Baled alfalfa, 1st crop. (*Grades 3-8*)
2. Baled alfalfa, 1st crop. (*Grade 9 & Up*)

3. Baled alfalfa/grass mix, 1st crop. (Grades 3-8)
4. Baled alfalfa/grass mix, 1st crop. (Grade 9 & Up)
5. Baled alfalfa, 2nd crop. (Grades 3-8)
6. Baled alfalfa, 2nd crop. (Grade 9 & Up)
7. Baled alfalfa/grass mix, 2nd crop. (Grades 3-8)
8. Baled alfalfa/grass mix, 2nd crop. (Grade 9 & Up)
9. Baled alfalfa, 3rd crop. (Grades 3-8)
10. Baled alfalfa, 3rd crop. (Grade 9 & Up)
11. Baled alfalfa/grass mix, 3rd crop. (Grades 3-8)
12. Baled alfalfa/grass mix, 3rd crop. (Grade 9 & Up)
13. Haylage, Alfalfa (Grades 3-8)
14. Haylage, Alfalfa (Grade 9 & Up)
15. Haylage, Mixed Alfalfa/Grass (Grades 3-8)
16. Haylage, Mixed Alfalfa/Grass (Grade 9 & Up)
17. Baleage
18. Corn Silage (Previous year's crop) (Grades 3-8)
19. Corn Silage (Previous year's crop) (Grade 9 & Up)
20. Any other silage (Identify crop)

**Premium - Danish Judging    \$2.50   \$2.25   \$2.00   \$1.75**

#### **CLASS H - STRAW**

- Exhibits must be grown in the current Fair year
- Exhibitor **MUST PROVIDE** a zipper bag or loosely tied clear plastic bag for straw exhibit.

1. Oat Straw (Grades 3-8)
2. Oat Straw (Grades 9 & Up)
3. Wheat Straw (Grades 3-8)
4. Wheat Straw (Grades 9 & Up)
5. Any Other Straw (Grades 3-8)
6. Any Other Straw (Grades 9 & Up)

**Premium - Danish Judging    \$2.50   \$2.25   \$2.00   \$1.75**

#### **CLASS I – ANY OTHER CULTIVATED CROP**

Note species on tag. If perennial crop, list year planted.

1. Any other cultivated crop, specimen typical to species (Grades 3-8)
2. Any other cultivated crop, specimen typical to species (Grades 9 & Up)

**Premium - Danish Judging    \$2.50   \$2.25   \$2.00   \$1.75**

#### **DODGE COUNTY FORAGE COUNCIL AWARDS**

- \$15 to the 1st place forage exhibitor selected by showing 3 or more exhibits including a sheaf, a dry, and a fermented forage. (Grades 3-8)
- \$15 to the 1st place forage exhibitor selected by showing 3 or more exhibits including a sheaf, a dry, and a fermented forage. (Grades 9 & Up)
- **To be considered for this award you must sign up on entry day with a superintendent.**

#### **DODGE COUNTY FORAGE COUNCIL POSTER CONTEST**

The topic for the Poster Contest will be announced annually. Check 4-H newsletter for details.

- Poster should be constructed using a Full Tag board
- Only 1 exhibit per club/chapter can be entered
- Any youth exhibitor can be involved
- Posters must be 2-dimensional
- Drawings or photography is allowed
- Club/Chapter name must appear on front of poster with individual names on back of poster.

- Award will be given to the club or chapter/not an individual!
  - Posters must be submitted by the first Monday of August to the Dodge County UW-Extension office
  - All sources of information must be referenced
- Award = 1<sup>st</sup> place \$50; 2<sup>nd</sup> place \$30; 3<sup>rd</sup> place \$20**

### **CLASS J - POTATOES**

- Open to youth in *Garden and Crops projects*.
- May be washed or brushed.
- List variety of potato. Entries will be penalized one placing if variety is not included.

**-Plate of 6 potatoes. NO MORE - NO LESS.**

1. Red potatoes (*Grades 3-8*)
2. Red potatoes (*Grade 9 & Up*)
3. White potatoes (*Grades 3-8*)
4. White potatoes (*Grade 9 & Up*)
5. Russet potatoes (*Grades 3-8*)
6. Russet potatoes (*Grade 9 & Up*)
7. Most unique potato

**Premium - Danish Judging    \$2.50   \$2.25   \$2.00   \$1.75**

### **CLASS K - VEGETABLE GARDEN**

- Open to youth enrolled in Vegetable Garden project.
- Limit of 10 entries, plus a Garden Box, per exhibitor.**
- Use **UW-Extension publication A3306** "Exhibiting & Judging Vegetables" to help prepare your exhibit.
- Exhibit MUST have 5 of EACH vegetable, unless specified.*

NO MORE - NO LESS.

**-Write Variety of each vegetable if known.**

- All root crops should be brushed or washed.
- Tomatoes should be ripe with stems removed.
- Pumpkins should have adequate stem handle.
- Gourds should not be included in vegetable exhibits.
- Fair workers reserve the right to dispose of garden exhibits if spoilage occurs.
- Entries in wrong class will receive a participation ribbon.*

1. Vegetable with most unusual appearance or blemish
2. Beans, green (*Grades 3-8*) - 12 per plate
3. Beans, green (*Grades 9 & Up*) - 12 per plate
4. Beans, yellow wax - 12 per plate
5. Beets (*Grades 3-8*)
6. Beets (*Grades 9 & Up*)
7. Broccoli - one head
8. Cabbage, green - one head
9. Cabbage, red - one head
10. Carrots (*Grades 3-8*)
11. Carrots (*Grades 9 & Up*)
12. Cauliflower - one head
13. Celery - one bunch
14. Cucumbers, fancy sweet (1-1/2 to 2-1/2 inches long)
15. Cucumbers, for dill (2-1/2 to 6 inches long)
16. Cucumbers, table slicers
17. Eggplant – two
18. Garlic, mature dry
19. Kohlrabi - three
20. Muskmelon - one

21. Any other melon - one
  22. Onions, mature dry
  23. Onions, Sweet Spanish type
  24. Peppers, blocky bell (*Grades 3-8*)
  25. Peppers, blocky bell (*Grades 9 & Up*)
  26. Peppers, elongated bell
  27. Peppers, any other sweet (*Grades 3-8*)
  28. Peppers, any other sweet (*Grades 9 & Up*)
  29. Peppers, hot
  30. Pumpkin - one (*Grades 3-8*) **Note variety on tag**
  31. Pumpkin - one (*Grades 9 & Up*) **Note variety on tag**
  32. Pumpkin, largest - one
  33. Squash, winter – one **Note variety on tag**
  34. Summer squash, any other variety - two
  35. Summer squash, zucchini - two
  36. Sweet corn - Must be husked with shank removed; keep ear tips on.
  37. Tomatoes, red - 1 to 3 inches across (*Grades 3-8*)
  38. Tomatoes, red - 1 to 3 inches across (*Grades 9 & Up*)
  39. Tomatoes, red - larger than 3 inches across (*Grades 3-8*)
  40. Tomatoes, red - larger than 3 inches across (*Grades 9 & Up*)
  41. Tomatoes, ripe heirloom - **Note variety on tag**
  42. Tomatoes, ripe, any other color
  43. Tomatoes, salad or cherry - smaller than 1 inch in diameter (*Grades 3-8*)
  44. Tomatoes, salad or cherry - smaller than 1 inch in diameter (*Grades 9 & Up*)
  45. Watermelon - one
  46. Any other vegetable not listed above (5/plate if small vegetable; one specimen if large vegetable)
- Premium - Danish Judging    \$2.00   \$1.75   \$1.50   \$1.25**

### **GARDEN BOX**

-Open to youth enrolled in Vegetable Garden project.

**-Exhibitors must provide their own wooden containers (approximately 18"x24"x4" deep). Containers must be that size and painted white. Do not use paper for lining or decorations.**

-Garden Box must contain 1 (but not more than 1) LARGE vegetable (*large vegetables include: cabbage, squash, & cauliflower*)

-Garden Box must contain 5 of each vegetable species (*such as 5 beets, 5 onions, 5 tomatoes*). If beans or peas must have 12 each.

-POTATOES CANNOT BE EXHIBITED IN GARDEN BOXES.

-Only one variety of peppers may be included in the Garden Box.

47. Garden Box (*Grades 3-8*) TOTAL of five different vegetables, must include one LARGE vegetable.  
(*Ex: 1 pumpkin, 5 tomatoes, 5 onions, 5 cucumbers, 12 beans*)

48. Garden Box (*Grade 9 & Up*)  
TOTAL of six different vegetables, must include one LARGE vegetable.

**Premium - Danish Judging   \$3.50   \$3.00   \$2.50   \$2.00**

### **VEGETABLE GARDEN AWARDS**

- Award winner selected by placings in Garden Box & 5 plates (*Potato and Fruit plates not included*)

- **To be considered for this award you must sign up on entry day with a superintendent.**

- **Vegetable Garden Award** (*Grades 3-8*)
- **Vegetable Garden Award** (*Grade 9 & Up*)

- Award sponsors and recipients will be posted at the Fair

## **CLASS L - FRUIT**

-Open to youth enrolled in Fruit projects.

-Fruit must be grown by exhibitor.

-Fruit may be washed and polished.

-Only 1 variety per plate.

-Note variety on entry tag if known.

1. Plate of 5 apples
2. Plate of 5 pears
3. Plate of grapes (*2-3 bunches*)
4. Plate of 5 plums
5. Raspberries, 1 pint level full (*enclosed in plastic wrap*)
6. Plate of Other fruit. (*5 per plate if large fruit or 15 per plate if small fruit*) (Must all be same fruit)
7. Scrapbook describing what you did and learned in your Fruit Project.

**Premium - Danish Judging \$2.50 \$2.25 \$2.00 \$1.75**