

## DEPARTMENT 14 JUNIOR CLASS PLANT & SOIL SCIENCE

Supt. Les Warren

- A. All exhibits will be judged face-to-face, Tuesday of Fair, from noon to 7 p.m. with a break at 3:30 p.m. The Youth Building will be open at 11:00 a.m. Numbers will be available at 11:45 a.m. After judging is finished, the building will close. Judging will take place in the 4-H Youth Building.

### Division 1 – Farm Crops

- A. A maximum number of six (6) entries per exhibitor may be exhibited in Division 1.  
 B. Sheaf exhibits shall be tied in three (3) places and not less than three (3) inches in diameter in the middle. The exhibit must be from this year's crop.  
 C. Corn and grains shall be four (4) quarts, cleaned with the variety named on entry tag.

Blue - \$2.00      Red - \$1.75      White - \$1.50      Pink - \$1.25

Class No.	Entry	Quantity
1	Field Corn, Any Variety, Labeled, Last Year's Crop	10 Ears
2	Shelled Corn, Any Variety, Labeled, Last Year's Crop	4 Quarts
3	Oats, Any Variety, Labeled	4 Quarts
4	Winter Wheat, Any Variety, Labeled	4 Quarts
5	Spring Wheat, Any Variety, Labeled	4 Quarts
6	Barley, Any Variety, Labeled	4 Quarts
7	Soybeans, Any Variety, Labeled, Last Year's Crop	4 Quarts
8	Sheaf Corn Stalks, Any Variety, Labeled	5 Stalks
9	Sheaf Oats, Any Variety, Labeled	
10	Sheaf Wheat, Any Variety, Labeled	
11	Sheaf Barley, Any Variety, Labeled	
12	Sheaf Soybeans, Any Variety, Labeled	
13	Sheaf Alfalfa, Any Variety, Labeled	
14	Alfalfa Hay, Cured 3 inch Section from Bale, Small Square	
15	Hay – Mixed, Cured 3 inch Section from Bale, Small Square	

### Division 2 – Vegetables

- A. No more than seven (7) entries may be listed on the entry blank. A Garden Box will count as one (1) of seven (7).
- B. Garden Box Regulations are as follows:
- a. Each kind of vegetable listed may only be used one time in the box.
  - b. Exhibitors who are in their first (1<sup>st</sup>) to third (3<sup>rd</sup>) year of exhibiting in the garden project need to have five (5) different varieties.
  - c. Exhibitors who are in their fourth (4<sup>th</sup>) year of exhibiting in the garden project or more need to have six (6) different varieties.
  - d. Boxes will be provided by the fair.
- C. Quantities of each vegetable to be used in the Garden Box will be as follows:
- a. 10 Pods of Bean or Peas
  - b. 3 Each of Beet, Carrot, Pickling Cucumber, Onion, Pepper, Tomatoes, Potatoes, Kohlrabi, Sweet Corn
  - c. 2 Each of Slicing Cucumbers
  - d. 1 Each of Cabbage, Squash, Broccoli, Cauliflower, Eggplant, or any other vegetable
- D. Vegetables must be prepared as described in bulletin A3306 **\*Exhibiting and Judging Vegetables\***, which are available at the UW-Extension Office.
- E. The quantity of vegetables needed for judging in an exhibit of one variety of vegetable (not part

of Garden Box) are as follows:

- a. 10 Pods of Beans or Peas
  - b. 5 Small Tomatoes
  - c. 4 Onion, Potatoes, or Large Variety of Tomatoes
  - d. 3 Beets, Sweet Corn (unhusked), Carrot, all Cucumber Varieties, Kohlrabi, Peppers, Rhubarb, or Summer Squash
  - e. 1 of Any Large Vegetable (Broccoli Head, Cabbage, Winter Squash, Cauliflower Head, etc)
- F. **NOTE:** Pumpkins are to be entered into Division 4.
- G. All Division 2 (vegetable) exhibits will be discarded after the Fair. Only select items will be saved upon request including Garlic, Onions, and Potatoes.

Blue - \$1.75      Red - \$1.50      White - \$1.25      Pink - \$1.00

Class No.	Entry
1	First Entry
2	Second Entry
3	Third Entry
4	Fourth Entry
5	Fifth Entry
6	Sixth Entry
7	Seventh Entry

**Division 3 – Herbs**

- A. Exhibit(s) must be from this year's growing season.
- B. Use bulletin 4-H 409 "**Nature's Herbs**" for growing and harvesting hints. Copies are available at the UW-Extension Office.
- C. One bunch is considered as four (4) stems tied together, not exceeding 9" in length.
- D. A collection of potted herbs should be potted in one pot which should not exceed 10" in width or 8" in height.

Blue - \$1.75      Red - \$1.50      White - \$1.25      Pink - \$1.00

Class No.	Entry
1	Collection of 3 Herbs, Potted, Labeled
2	Collection of 3 Bunches, Dried, each Bunch Labeled
3	Collection of 3 Bunches, Fresh Cut, each Bunch Labeled
4	Bunch of Fresh Dill, Cut

**Division 4 – Fruits**

- A. A maximum of five (5) entries per exhibitor may be entered in Division 4.
- B. Entries must come from this year's growing season.
- C. The quantities of fruit needed for judging in an exhibit of one variety of fruit will be as follows:
  - a. 5 Apples, Pears, Peaches, or Plums
  - b. 3 Bunches of Grapes
  - c. 1 Watermelon, Muskmelon, or Pumpkin
  - d. ½ Pint of Strawberries, Raspberries, Cherries, or Any Other Berry (in your own container)
  - e. 5 of Any Other Fruit not listed

Blue - \$1.75      Red - \$1.50      White - \$1.25      Pink - \$1.00

Class No.	Entry
1	First Entry, Labeled, Any Variety
2	Second Entry, Labeled, Any Variety
3	Third Entry, Labeled, Any Variety
4	Fourth Entry, Labeled, Any Variety
5	Fifth Entry, Labeled, Any Variety

### Division 5 – Beginner Garden Knowledge

- A. Open to all members in the first (1<sup>st</sup>) or second (2<sup>nd</sup>) year in a Plant and Soil Science project or in other youth groups doing equivalent work.
- B. A maximum of one (1) entry per exhibitor may be exhibited.
- C. To save space, posters or diagrams should not be larger than 22" x 24" in size.

Blue - \$1.75      Red - \$1.50      White - \$1.25      Pink - \$1.00

Class No.	Entry
1	Poster showing a picture story of garden this year. Include descriptions with photographs. Information should include how you planned, planted, and maintained your garden.
2	Poster on basic tools used to keep a healthy garden. Include photographs of tools and descriptions of how they are used.
3	Poster on growth of a type of vegetable, crop, or fruit (i.e. pepper). Include photographs of the plant growing throughout the season and plant characteristics (average size, days to maturity, variety, etc.)
4	Poster of a minimum of five (5) pests (diseases, insects, weeds, and/or rodents) you found in your garden this year. Include damage caused, control measures used, and results.

### Division 6 – Advanced Garden Knowledge

- A. Open to all members in their third (3<sup>rd</sup>) year or more in a Plant and Soil Science project or in other youth groups doing equivalent work.
- B. A maximum of one (1) entry per exhibitor may be exhibited.
- C. To save space, posters or diagrams should not be larger than 22" x 24" in size.

Blue - \$1.75      Red - \$1.50      White - \$1.25      Pink - \$1.00

Class No.	Entry
1	Poster of at least five (5) commonly found diseases in a garden. Include how to diagnose the causes of each and control measures.
2	Poster of at least six (6) commonly found garden insects. Include three (3) beneficial and three (3) injurious. Describe each if they are beneficial or not, the benefits or damage by each, and how to manage them (keep the beneficial and control the injurious)
3	Poster of a minimum of ten (10) pests (diseases, insects, weeds, and/or rodents) that you found in your garden this year. Include damage caused, control measures used, and results.
4	Poster explaining various career options working with vegetables, crops, fruits, or herbs.
5	Poster of at least four (4) different types of soil. Include if the soil is beneficial or not and which type of plants grow best in it.