

## DEPARTMENT 14: PLANT AND SOIL SCIENCES

### Superintendents:

Pam Mitchell 262-903-3968

Tom Hooks 608-574-3620

### Field Crops

#### Rules:

Corn-each entry must be labeled with the name of the brand, hybrid, and day to maturity (RM). Entries without this information will be demoted one placing. Ear corn exhibits are judged on: ear type (uniformity of the ear, length, and diameter), quality, and maturity. Containers will be provided for the ear corn exhibit.

Grain-each entry must be labeled with the name of the variety. Each exhibit must be one quart of grain in a one gallon Ziploc bag.

Small grains are judged on: appearance, maturity, and freedom from damage & debris.

Hay and balage/wrapped hay-each sample must be cured out at proper stage of maturity. Include name of variety, date cut, and stage of maturity when cut. Exhibits must be this year's crop.

Sheaf-must be 2 inches in diameter at upper band

Forage samples-are judged on: stage of maturity when harvested, leafiness, and fineness of stem, condition (free from mustiness, mold and heating) purity and freedom from weeds.

Pasture samples-all of the above and are also judged on height, density of strand and grass/legume combination

Collections-may be mounted in a scrapbook or on tagboard no larger than 8 ½ x 11 inches

PREMIUMS: Blue \$3.00; Red \$2.75; White \$2.50; Yellow \$2.25

#### Classes:

1. Corn, 3 ears any variety, grades 3-5
2. Corn, 3 ears any variety, grades 6-8
3. Corn, 3 ears any variety, grades 9-older
4. Oats, any variety
5. Barley, any variety
6. Wheat, any variety
7. Soybean, any variety (can be previous year's crop)
8. Shell corn, any variety
9. Alfalfa, slice of bale in a clear plastic bag with handles
10. Balage or wrapped hay (1 gallon Ziploc bag)
11. Haylage, 2 cups in a 1-gallon Ziploc bag
12. Corn silage, 2 cups in a 1-gallon Ziploc bag
13. Small grain silage, 2 cups in a 1-gallon Ziploc bag
14. Sheaf of oats
15. Sheaf of wheat
16. Sheaf of barley
17. Corn stalk-1 stalk and no roots
18. Pasture sample, legume
19. Pasture sample, grasses
20. Collection of 15 weeds, properly pressed, mounted and labeled
21. Plant disease collection, specimens showing 5 different diseases, labeled
22. Collection of 10 crop insects, mounted, and labeled
23. Collection of 10 crop seeds, properly identified

### Vegetables

#### Rules:

1. All entries must be home grown
2. The Fair Association reserves the right to dispose of any garden exhibits if spoilage occurs
3. Containers will be provided for vegetable exhibits
4. Vegetables are evaluated on: best market size and quality, uniform in shape, degree of maturity, properly cleaned and labeled, and free from insects, disease and defects

#### Classes Grades 3-5:

1. Tomatoes, 3 red
2. Tomatoes, 3 green
3. Tomatoes, 3 cherry
4. Carrots-3
5. Beets-3
6. Dry onions, white or yellow-3
7. Peppers, 3 sweet
8. Peppers, 3 hot
9. Cucumbers, 3 slicing
10. Cucumbers, 3 pickling
11. Cabbage, 1 head
12. Green or yellow beans-8
13. Early potatoes-3 name variety
14. Late potatoes-3 name variety
15. Ornamental gourds, 3
16. Apples-3 name variety
17. Pumpkin, any variety
18. Giant pumpkin, any variety
19. Any variety crazy vegetable
20. Scarecrow, must be free standing
21. A pot of an herb you grew
22. Display of germination
23. Display on the needs of plants
24. Display on pollination
25. Poster on soil samples and test results
26. Poster on composting

27. Poster of 5 commonly found diseases in vegetable gardens, listing the damage caused by each & control options for each
28. Poster of 10 pests found in your garden this year, listing damage caused, control measures you used

- and results
29. Other poster related to the gardening project
30. Mini pumpkins, 3 any variety
31. Any edible squash

#### Classes Grades 6-8:

1. Tomatoes, 3 red
2. Tomatoes, 3 green
3. Tomatoes, 3 cherry
4. Carrots-3
5. Beets-3
6. Dry onions, white or yellow-3
7. Peppers, 3 sweet
8. Peppers, 3 hot
9. Cucumbers, 3 slicing
10. Cucumbers, 3 pickling
11. Cabbage, 1 head
12. Green or yellow beans-8
13. Early potatoes-3 name variety
14. Late potatoes-3 name variety
15. Ornamental gourds, 3
16. Apples-3 name variety
17. Pumpkin, any variety
18. Giant pumpkin, any variety

19. Any variety crazy vegetable
20. Scarecrow, must be free standing
21. A pot of an herb you grew
22. Display of germination
23. Display on the needs of plants
24. Display on pollination
25. Poster on soil samples and test results
26. Poster on composting
27. Poster of 5 commonly found diseases in vegetable gardens, listing the damage caused by each & control options for each
28. Poster of 10 pests found in your garden this year, listing damage caused, control measures you used and results
29. Other poster related to the gardening project
30. Mini pumpkins, 3 any variety
31. Any Edible Squash

#### Classes Grades 9-older:

1. Tomatoes, 3 red
2. Tomatoes, 3 green
3. Tomatoes, 3 cherry
4. Carrots-3
5. Beets-3
6. Dry onions, white or yellow-3
7. Peppers, 3 sweet
8. Peppers, 3 hot
9. Cucumbers, 3 slicing
10. Cucumbers, 3 pickling
11. Cabbage, 1 head
12. Green or yellow beans-8
13. Early potatoes-3 name variety
14. Late potatoes-3 name variety
15. Ornamental gourds, 3
16. Apples-3 name variety
17. Pumpkin, any variety
31. Any edible squash

18. Giant pumpkin, any variety
19. Any variety crazy vegetable
20. Scarecrow, must be free standing
21. A pot of an herb you grew
22. Display of germination
23. Display on the needs of plants
24. Display on pollination
25. Poster on soil samples and test results
26. Poster on composting
27. Poster of 5 commonly found diseases in vegetable gardens, listing the damage caused by each & control options for each
28. Poster of 10 pests found in your garden this year, listing damage caused, control measures you used and results
29. Other poster related to the gardening project
30. Mini pumpkins, 3 any variety

#### Garden Display

- Containers will be supplied. Each exhibitor will be limited to one entry from the same garden. The products from each entry must come from the exhibitor's own garden. All products must be fresh. Incomplete entries will be disqualified. Display must contain 6 different vegetables from this list

- 1 head broccoli
- 3 beets
- 1 head cabbage
- 1 eggplant
- 3 cucumbers
- 3 kohlrabi

- 1 head cauliflower
- 3 turnips
- 5 brussel sprouts
- 8 green or yellow beans
- 3 carrots
- 1 bunch celery

1 head kale  
3 dry onions  
1 rutabaga  
1 small table squash  
1 small pie pumpkin  
3 ears ripe sweet corn  
3 peppers (red or green not both)  
3 red or green tomatoes

**Classes:**

1. Garden Display