

DEPT. 14 – PLANT & SOIL SCIENCE
JUNIOR DIVISION



Superintendent: Eileen Rueden, (920) 989-2238

Entries Due:	July 15 th	Arrival:	Tuesday, 1:30 – 5:30 p.m.
		Judging (Face-to-face*):	Tuesday, 1:30 – 6:00 p.m.
		*Unless otherwise noted	
		Release:	Sunday, 6:00 p.m.

IN ADDITION TO THE RULES LISTED BELOW, PLEASE REFER TO ALL THE RULES AND REGULATIONS LISTED IN THE FRONT SECTION OF THIS BOOK.

N.E.W. Master Gardner Award

N.E.W. Master Gardeners will present a \$10 cash award to an outstanding youth exhibitor in each of the following areas:

- **Fruits** – To be eligible for the Fruit Award, the youth must exhibit 5 or more entries in the fruit category.
- **Vegetables** - To be eligible for the Vegetables Award, the youth must exhibit 5 or more entries in the vegetable and/or potato categories.

****To be considered for the award, you need to sign up with the superintendent or clerk on entry day****

****Youth must receive at least a combination of 1st & 2nd place awards to be considered for this award****

GENERAL RULES:

1. **Exhibitor Requirement:** Exhibitors must be enrolled in a Plant and Soil Science project: crops / fruits / vegetables / flowers / lawn / trees and shrubs / landscape design, or doing similar work in another youth organization in order to exhibit/show.
2. **Ownership:** All plants must be in exhibitor’s possession 60 days prior to the fair.
3. **Presentation of Items:**
 - ❖ All specimens in exhibit must be properly identified, dried, pressed and/or mounted.
 - ❖ Specimens are to be collected in Brown County and displayed on a poster, chart or in scrapbook format (No larger than 16”x24”)

DIVISION 131 – PLANT & SOIL SCIENCE EXHIBIT

PREMIUMS FOR DIVISION 131:	1st	2nd	3rd	4th
	\$2.00	\$1.75	\$1.50	\$1.25

CLASS NO.

- | | |
|---|--|
| 1. Plant Science Experiment; show results | 5. A Collection of 20 Vegetable Seeds, with their uses listed. |
| 2. A Collection of 15 Weeds | 6. A Collection of 20 Flower Seeds. |
| 3. A Collection of 10 Crops Seeds, with their uses listed | |
| 4. A Collection of 10 Fruit and Nut Leaves | |

DIVISION 132 – FIELD CROPS

RULES:

1. **Baled Hay:** Slice of baled hay must be 4” thick (placed in clear plastic bag)
2. **Corn:**
 - ❖ Each corn entry must consist of 4 ears husked from last year’s crop with the exception of sweet corn, which must be from current year.
 - ❖ The 3 stalks of corn must be triple tied.
 - ❖ Stalks of corn must have roots removed..

3. **Crop Year:** All crops must be the result of the current crop season.
4. **Labeling:** Variety should be properly named and placed on entry tag
5. **Legumes:**
 - ❖ Legume Sheaves must be cured and 5" at the largest diameter
 - ❖ Legumes cured for hay must be tied securely (minimum of 2 ties).
6. **Seed/Haylage Display:** Threshed seeds and haylage placed in a one gallon zip-lock clear plastic bag, filled ¾ full, with the variety correctly identified on the bag.
7. **Sheaves:**
 - ❖ Grain Sheaves must have leaves stripped and tied (minimum of 2 ties).
 - ❖ Grass Sheaves must be 2" at the upper band. All must be cured and dried to safe moisture level. All must be of current year.
 - ❖ All sheaves must be disease and insect free.
8. **Sunflowers:** Sunflowers must have roots removed.

PREMIUMS FOR DIVISION 132:	1st	2nd	3rd	4th
	\$2.00	\$1.75	\$1.50	\$1.25

CLASS NO.

Corn and Sunflowers

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Corn, 3 stalks (tied, roots removed), state variety 2. Corn, tallest stalk (roots removed), state variety – ~Danish judging 3. Filed corn, 4 ears, husked 4. Indian corn, 4 ears, husks tied back | <ol style="list-style-type: none"> 5. Popcorn, 4 ears, husked 6. Sweet corn, 4 ears, husked, current year 7. Sunflower, largest head – ~Danish judging 8. Sunflower, tallest stalk (roots removed) – ~Danish judging |
|--|--|

Hay and Haylage (in Gallon Zip Lock Bag)

9. Haylage
10. Oatlage
11. 1 slice of hay, 4" thick (in a clear plastic bag)

Threshed Seeds (in Gallon Zip Lock Bag)

- | | |
|--|---|
| <ol style="list-style-type: none"> 12. Alfalfa 13. Barley 14. Oats 15. Red Clover 16. Rye 17. Shelled corn – dried | <ol style="list-style-type: none"> 18. Shelled corn – high moisture 19. Soybeans 20. Sunflowers 21. Winter wheat 22. Any other named threshed seed |
|--|---|

Sheaves (All measured at upper band, near grain head)

- | | |
|--|---|
| <ol style="list-style-type: none"> 23. Alfalfa, 5" at upper band 24. Alsike clover, 5" 25. Any annual grass sheaf, 2" at upper band 26. Any perennial grass sheaf, 2" at upper band near heads 27. Barley, 2" 28. Oats, 2" | <ol style="list-style-type: none"> 29. Red Clover, 5" 30. Rye, 2" 31. Soybeans, 5" at upper band 32. Sudan grass, 2" 33. Timothy, 2" 34. Winter wheat, 2" at upper band |
|--|---|

DIVISION 133 – VEGETABLES

RULES:

1. **Age of Item:** All exhibits must be raised in the member's own project garden or family garden during the current year.
2. **Cabbages:** Cabbages are to have outer leaves left on, but trimmed.
3. **Fall/Winter Squash:** Fall and Winter Squash include: Acorn, Hubbard, Butternut, Buttercup and Desmoines varieties.
4. **Health Hazard:** No vegetables that are hazardous to human consumption allowed.
5. **Onions:** Onions are to be cleaned, but not peeled back.

6. **Ownership:** All exhibits must be raised in the member's own project garden or family garden during the current year.
7. **Potatoes:** Potatoes are to be cleaned but not washed. Four (4) potatoes are to be exhibited for all lots.
8. **Preparation:** All vegetables should be prepared according to Bulletin A3306 *Exhibiting and Judging Vegetables* at: <http://learningstore.uwex.edu/assests/pdfs/a3306.pdf>
9. **Summer Squash:** Summer squash includes: Straight Neck, Crook Neck, Caserta, Cocozelle and Patty Pan or Bush Scallop varieties.
10. **Variety:** Variety should be listed.

PREMIUMS FOR DIVISION 133:

	1 st	2 nd	3 rd	4 th
CLASS 1-57:	\$2.00	\$1.75	\$1.50	\$1.25
CLASS 58-60:	\$3.50	\$3.00	\$2.50	\$2.00

Class No.

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Beans, any other color, 10 pods 2. Beans, green, 10 pods 3. Beans, purple, 10 pods 4. Beans, yellow, 10 pods 5. Beets, pickling, under 2" diameter, 4 6. Beets, slicing, over 2" diameter, 4 7. Broccoli, 1 head 8. Cabbage, green, 1 head 9. Cabbage, red, 1 head 10. Carrots, with 2" tops left on, 4 11. Cauliflower, 1 head 12. Celery, 1 bunch (roots removed) 13. Corn, 3 sweet bi-color (husked) 14. Corn, 3 sweet white (husked) 15. Corn, 3 sweet yellow (husked) 16. Cucumbers, dill, ¾" to 1 ¼" diameter, up to 4 ½" long, 5 17. Cucumbers, slicing, 6"-8" long, 3 18. Cucumbers, sweet ¾" to 2 ½" long, 5 19. Eggplant, 1 20. Garlic, 2 bulbs 21. Kohlrabi, (trim tops to 1"), 3 22. Leek, 3 specimens 23. Lettuce, 1 head 24. Lettuce, loose leaf type, 2 plants (roots removed) 25. Muskmelon, 1 26. Onions, red, 4 (not peeled) 27. Onions, white, 4 (not peeled) 28. Onions, yellow, 4 (not peeled) | <ol style="list-style-type: none"> 29. Peas, 10 pods (edible pod) 30. Peas, canning, 10 pods 31. Peppers, hot, 3 (named) 32. Peppers, sweet, 3 (colored) 33. Peppers, sweet, 3 (green) 34. Potatoes, Kennebec, 4 35. Potatoes, Norgold (russet), 4 36. Potatoes, Norland, 4 37. Potatoes, Red Pontiac, 4 38. Potatoes, Russet Burbank, 4 39. Potatoes, Superior, 4 40. Potatoes, Yukon Gold, 4 41. Potatoes, fingerling, any other variety (correctly identified), 4 42. Potatoes, any other variety, (specify name), 4 43. Pumpkin, 1 44. Radish, (with 1" tops left on), 4 45. Rhubarb, 3 stalks (with bottom shoots retained) 46. Rutabaga, 1 47. Squash, any summer variety, NOT Zucchini, 1 48. Squash, Zucchini, green or yellow, 1 49. Swiss chard, 6 leaf stalks (roots removed) 50. Tomato, small variety, any color, 7 51. Tomato, green, (mature for frying), 4 52. Tomato, red, 4 53. Tomato, any other color, 4 54. Turnips, (1" tops left on), 4 55. Watermelon, 1 56. Zucchini, Novelty, dressed, 1 57. Vegetable, any other not listed above, 2 |
|---|--|
58. 6 different types of vegetables (from Class #s. 1-58, and comprised of choices that meet those lot requirements) displayed without props. Entry will be judged on quality and arrangement of specimens.
 59. Container Garden with 4 different vegetables.
 60. Container Theme Garden (Ex. salsa vegetables, pizza vegetables, etc...)

DIVISION 134 – HERBS

PREMIUMS FOR DIVISION 134:

		1 st	2 nd	3 rd	4 th
CLASS	1-8:	\$2.00	\$1.75	\$1.50	\$1.25
CLASS	9:	\$3.50	\$3.00	\$2.50	\$2.00

CLASS NO.

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Basil, 6 stems in water 2. Chives, 6 stems in water 3. Cilantro, 6 stems in water 4. Dill, 3 heads tied together (root removed) 5. Mint, 6 stems in water 6. Parsley, 6 stems in water | <ol style="list-style-type: none"> 7. Rosemary, 6 stems in water 8. Any other herb, 6 stems in water (correctly identified) 9. Container Garden with 4 or more different herbs. |
|--|--|

DIVISION 135 – FRUIT & NUTS**PREMIUMS FOR DIVISION 135:**

	1 st	2 nd	3 rd	4 th
	\$2.00	\$1.75	\$1.50	\$1.25

CLASS NO.**Apples, 3 specimens**

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Connell Red 2. Cortland 3. Empire 4. Fireside 5. Haralson 6. Idared 7. Jonathan | <ol style="list-style-type: none"> 8. Liberty 9. Lodi 10. McIntosh 11. Paula red 12. Viking 13. Wealthy 14. Any other properly named variety |
|--|---|

Crab Apples, 5 specimens

- | | |
|--|---|
| <ol style="list-style-type: none"> 15. Dolgo 16. Whitney | <ol style="list-style-type: none"> 17. Any other variety, properly named |
|--|---|

Pears, 3 specimens

- | | |
|---|---|
| <ol style="list-style-type: none"> 18. Asian Pears 19. Bartlett | <ol style="list-style-type: none"> 20. Any other Variety, properly named |
|---|---|

Plums, 3 specimens

- | | |
|---|--|
| <ol style="list-style-type: none"> 21. Any blue variety, properly named 22. Any red variety, properly named | <ol style="list-style-type: none"> 23. Any yellow variety, properly named |
|---|--|

Peaches, Apricots and Grapes

- | | |
|--|---|
| <ol style="list-style-type: none"> 24. Apricots, any variety named, 3 specimens 25. Grapes, any variety named, 1 bunch | <ol style="list-style-type: none"> 26. Peaches, any variety named, 3 specimens |
|--|---|

Small Fruits

- | | |
|--|--|
| <ol style="list-style-type: none"> 27. Blueberries, ½ pint 28. Ground cherries, 10 husked 29. Raspberries, ½ pint | <ol style="list-style-type: none"> 30. Strawberries, ever bearing, ½ pint 31. Currents, ½ pint 32. Gooseberries, ½ pint |
|--|--|

Nuts, 5 specimens

- | | |
|---|--|
| <ol style="list-style-type: none"> 33. Hickory nuts 34. Walnuts | <ol style="list-style-type: none"> 35. Butternuts 36. Any other variety, properly identified |
|---|--|

DIVISION 136 – EDUCATIONAL EXHIBITS

RULES:

1. All posters must be 14" x 22". Displays should be no larger than 36" x 36".

PREMIUMS FOR DIVISION 136:	1st	2nd	3rd	4th
	\$2.00	\$1.75	\$1.50	\$1.25

CLASS NO.

1. Container vegetables
2. Display of a cold frame
3. Display on germination
4. Display on plant pests
5. Display on plant tropism
6. Display on pollination
7. Display on the needs of plants
8. Display on transplanting methods
9. Hydroponically grown plant
10. Illustrated talk on a horticultural topic
11. Marketing plan to sell horticultural products
12. Plant started from a cutting
13. Poster exploring horticultural therapy
14. Poster of correct tree planting procedures
15. Poster on horticulture careers
16. Poster on invasive species plants
17. Poster to display benefits of mulching
18. Soil sample and test results