**DEPT. 14 – PLANT & SOIL SCIENCE** 

JUNIOR DIVISION



<u>Superintendent:</u> Eileen Rueden, (920) 470-5562 989-2238

Entries Due:July 15thArrival:Tuesday, 1:30 – 5:30p.m.Judging (Face-to-face\*):Tuesday, 1:30 – 6:00p.m.Face-to-face\*):Tuesday, 1:30 – 6:00

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.
- <u>Vegetables</u> 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 1<sup>st</sup> & 2<sup>nd</sup> place awards to be considered for this award\*\*

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#### **GENERAL RULES:**

- 1. <u>Exhibitor Requirement</u>: 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:	<b>1</b> <sup>st</sup>	<b>2</b> <sup>nd</sup>	<b>3<sup>rd</sup></b>	<b>4</b> <sup>th</sup>
	\$2.00	\$1.75	\$1.50	\$1.25

## CLASS NO.

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

# **DIVISION 132** – FIELD CROPS

## RULES:

- 1. **<u>Baled Hay</u>**: Slice of baled hay must be 4" thick (placed in clear plastic bag)
- 2. <u>Corn</u>:
- 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. <u>Crop Year</u>: 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. <u>Seed/Haylage Display</u>: 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. <u>Sunflowers:</u> Sunflowers must have roots removed.
- 9. Industrial Hemp: Must be a licensed grower, showing proof of your license, must show documentation of the product and variety. Must show grower information and location where it was grown and any other documentation that shows the product is lawful hemp. Please submit your certification and license to the Exhibit Coordinator by August 1<sup>st</sup> to Brown County Fair Assoc., PO Box 472, DePere, WI 54115. Must supply your own grow lights and water your plants during the fair. The exhibitor must be the child of the licensed grower.

PREMIUMS FOR DIVISION 132:	<b>1</b> <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	
	\$2.00	\$1.75	\$1.50	\$1.25	J

## CLASS NO.

## Corn, Sunflowers, and Industrial Hemp

- 1. Corn, 3 stalks (tied, roots removed), state variety
- 2. Corn, tallest stalk (roots removed), state variety
- 3. Filed corn, 4 ears, husked
- 4. Indian corn, 4 ears, husks tied back
- 5. Popcorn, 4 ears, husked
- 6. Sweet corn, 4 ears, husked, current year

## Hay and Haylage (in Gallon Zip Lock Bag)

- 12. Haylage
  - 13. Oatlage
  - 14. 1 slice of hay, 4" thick (in a clear plastic bag)

## Threshed Seeds (in Gallon Zip Lock Bag)

- 15. Alfalfa
- 16. Barley
- 17. Oats
- 18. Red Clover
- 19. Rye
- 20. Shelled corn dried

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

- 26. Alfalfa, 5" at upper band
- 27. Alsike clover, 5"
- 28. Any annual grass sheaf, 2" at upper band
- 29. Any perennial grass sheaf, 2" at upper band near heads
- 30. Barley, 2"
- 31. Oats, 2"

# **DIVISION 133** – VEGETABLES

## RULES:

- 7. Sunflower, largest head
- 8. Sunflower, tallest stalk (roots removed) -
- 9. Industrial Hemp, potted, one plant, Fiber
- 10. Industrial Hemp, potted, one plant, Oil
- 11. Industrial Hemp, potted one plant, seed

- 21. Shelled corn high moisture
- 22. Soybeans
- 23. Sunflowers
- 24. Winter wheat
- 25. Any other named threshed seed
- 32. Red Clover, 5"
- 33. Rye, 2"
- 34. Soybeans, 5" at upper band
- 35. Sudan grass, 2"
- 36. Timothy, 2"
- 37. Winter wheat, 2" at upper band
- 1. <u>Age of Item</u>: All exhibits must be raised in the member's own project garden or family garden during the current year.

- 2. <u>Cabbages</u>: Cabbages are to have outer leaves left on, but trimmed.
- Fall/Winter Squash: Fall and Winter Squash include: Acorn, Hubbard, Butternut, Buttercup and Desmoines varieties.
- 4. <u>Health Hazard</u>: No vegetables that are hazardous to human consumption allowed.
- 5. **<u>Onions</u>**: 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. <u>Preparation</u>: All vegetables should be prepared according to Bulletin A3306 *Exhibiting and Judging Vegetables* at: <u>http://learningstore.uwex.edu/assests/pdfs/a3306.pdf</u>
- 9. <u>Summer Squash</u>: Summer squash includes: Straight Neck, Crook Neck, Caserta, Cocozelle and Patty Pan or Bush Scallop varieties.
- 10. Variety: Variety should be listed.

	<b>1</b> <sup>s</sup>	t 2 <sup>nd</sup>	d 3 <sup>rd</sup>	<b>4</b> <sup>th</sup>
CLASS	<b>1-57:</b> \$2	2.00 \$1	75 \$1.5	0 \$1.25
CLASS	<b>58-60:</b> \$3	3.50 \$3	3.00 \$2.5	0 \$2.00

#### **Class No.**

- 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)
- Cucumbers, dill, ¾" to 1 ¼" diameter, up to 4 ½" long, 5
- 17. Cucumbers, slicing, 6"-8" long, 3
- 18. Cucumbers, sweet <sup>3</sup>/<sub>4</sub>" to 2 <sup>1</sup>/<sub>2</sub>" 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)
- 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. Squash, Winter, 1
- 50. Swiss chard, 6 leaf stalks (roots removed)
- 51. Tomato, small variety, any color, 7
- 52. Tomato, green, (mature for frying), 4
- 53. Tomato, red, 4
- 54. Tomato, any other color, 4
- 55. Turnips, (1" tops left on), 4
- 56. Watermelon, 1
- 57. Zucchini, Novelty, dressed, 1
- 58. Vegetable, any other not listed above, 2

59. 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.

60. Container Garden with 4 different vegetables.

61. Container Theme Garden (Ex. salsa vegetables, pizza vegetables, etc...)

## **DIVISION 134 – HERBS**

PREMIUMS FOR DIVISION 134:					
		1 <sup>st</sup>	<b>2</b> <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
CLASS	1-8:	\$2.00	\$1.75	\$1.50	\$1.25
CLASS	9:	\$3.50	\$3.00	\$2.50	\$2.00

**7.** Rosemary, 6 stems in water

identified

herbs.

8. Any other herb, 6 stems in water (correctly

**9.** Container Garden with 4 or more different

#### CLASS NO.

- **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

# **DIVISION 135** – FRUIT & NUTS

PREMIUMS FOR DIVISION 135:	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
	\$2.00	\$1.75	\$1.50	\$1.25
SS NO.				)
Apples, 3 specimens				
1. Connell Red		8. Liberty	/	
2. Cortland		<b>9.</b> Lodi		
3. Empire		10. McInto	osh	
4. Fireside		<b>11.</b> Paula ı	red	
5. Haralson		<b>12.</b> Viking		
6. Idared		13. Wealth	hv	
7. Jonathan			, her properly nar	med variety
Crab Apples, 5 specimens		,	,	
<b>15.</b> Dolgo		<b>17.</b> Any ot	her variety, prop	perly named
16. Whitney		1		,
Pears, 3 specimens				
<b>18.</b> Asian Pears		<b>20.</b> Any ot	her Variety, prop	perly named
<b>19.</b> Bartlett		- /	//	,
Plums, 3 specimens				
<b>21.</b> Any blue variety, properly named		<b>23.</b> Any ve	llow variety, pro	perly named
<b>22.</b> Any red variety, properly named			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Peaches, Apricots and Grapes				
<b>24.</b> Apricots, any variety named, 3 specime	าร	<b>26</b> . Peache	es, any variety na	amed, 3 specimer
<b>25.</b> Grapes, any variety named, 1 bunch			is, any variety ne	inica, o specifier
Small Fruits				
<b>27.</b> Blueberries, ½ pint		<b>30</b> . Strawb	erries, ever bear	ing ½ nint
<b>28.</b> Ground cherries, 10 husked		<b>31.</b> Curren		ing, /2 pint
<b>29.</b> Raspberries, ½ pint			perries, ½ pint	
Nuts, 5 specimens		<b>52.</b> G0050	5cmc5, 72 pmt	
<b>33.</b> Hickory nuts		<b>35.</b> Butterr	nuts	
34. Walnuts				orly identified
<b>34.</b> Walluts		SO. ANY OU	her variety, prop	

## **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: 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup> \$2.00 \$1.75 \$1.50 \$1.25
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#### 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