

# DEPARTMENT 014 – PLANT AND SOIL SCIENCE

Fair Year: 2018

Entries must be made by July 31 of exhibit year.  
Open to youth enrolled in the 4-H Crops, Vegetable, and/or Fruit project or youth of other groups doing equivalent work.

All classes will be judged face-to-face on Thursday before the fair 4:00-8:00 pm. A numbering system will be used.

All entries must be of exhibit year's crop, unless noted.

Only juniors caring for a crop, fruit, or garden project may enter.

Exhibitors are limited to a maximum of twenty (20) entries in Department 014. If more than 20 Department 014 entries are listed on entry blank, only the first 20 will be entered into the computer. The remaining entries will not be accepted. However, the exhibitor is only allowed to bring 15 exhibits to the fair to be judged.

Calumet County Master Gardeners will present a \$15.00 cash award to an outstanding youth exhibitor in each of the following areas:

- Crops
- Vegetables

To be eligible for the Crops Award, the youth must exhibit 5 or more entries in the threshed seed, corn & sunflowers, hay & haylage, and/or sheaves categories.

To be eligible for the Vegetables Award, the youth must exhibit 5 or more entries in the Vegetables and/or Potatoes categories.  
To be considered for the award, you must sign up with the superintendent or clerk on entry day.

## DIVISION 135 – THRESHED SEED

Seed exhibit should be 3 quarts in size and exhibited in a one gallon, clear plastic, Ziploc bag. All entries must be from exhibit year's crop except for Soybeans, Sunflowers, and Shelled Corn.

**Class No.** Premiums: \$2.00 - \$1.75 - \$1.50 - \$1.25

1. Barley
2. Oats
3. Rye
4. Soybeans
5. Sunflowers
6. Winter wheat
7. Shelled corn

## DIVISION 136 – CORN AND SUNFLOWERS

Each corn entry must consist of 4 ears.  
Corn and sunflowers must have been harvested in exhibit year, except for field corn, popcorn; Indian corn; miniature corn should be from previous year.

The 3 corn stalks must be triple tied.

Corn and sunflower stalks should have roots removed.

Sunflower heads should have pollen capping removed.

**Class No.** Premiums: \$2.00 - \$1.75 - \$1.50 - \$1.25

1. Field corn – 3 ears husked
2. Sweet corn – 3 ears husked
3. Popcorn – 3 ears with husk attached
4. Indian corn – 3 ears with husk attached
5. Miniature corn – 3 ears with husk attached
6. Corn – 3 stalks (roots removed)
7. Corn, tallest stalk – 1 (roots removed)
8. Sunflower, largest head – 1 (pollen capping removed)
9. Sunflower, tallest stalk – 1 (roots and pollen capping removed)

## DIVISION 137 – HAY, HAYLAGE AND HIGH MOISTURE CORN

Exhibit must be grown in current season, selected, prepared, and entered by exhibitor.

All hay must be cured; air-dried to a safe storage moisture.

Slice of hay must be 2-4 inches in thickness and displayed in a clear plastic bag.

Corn Silage, Haylage, and High Moisture Corn exhibit should be 3 quarts in size and exhibited in a one gallon, clear plastic Ziploc bag.

**Class No.** Premiums: \$2.00 - \$1.75 - \$1.50 - \$1.25

1. One slice of alfalfa – 1<sup>st</sup> crop
2. One slice of alfalfa – 2<sup>nd</sup> crop
3. One slice of alfalfa – 3<sup>rd</sup> crop
4. Haylage
5. High moisture corn
6. Corn silage
7. Any other hay, correctly identified

## DIVISION 138 – SHEAVES

All sheaves must be at least three (3) inches in diameter at the middle band and tied securely in three places. Sheaves must be thoroughly cured and dried.

**Class No.** Premiums: \$2.00 - \$1.75 - \$1.50 - \$1.25

1. Oats
2. Barley
3. Winter wheat
4. Rye
5. Soybean, fresh cut, 6" in diameter
6. Sudan grass
7. Alfalfa for hay
8. Any other hay/grass (correctly identified)

## DIVISION 139 – HORTICULTURE PROJECT ACTIVITY

All must be properly identified and mounted and should be displayed in a poster, chart or scrapbook format that is no larger than 16"x24".

Soil samples should be in a small jar properly identified.

Forced bulbs should be in a container no larger than 10" in diameter, correctly identified.

**Class No.** Premiums: \$2.00 - \$1.75 - \$1.50 - \$1.25

1. Collection of 10 tree leaves
2. Collection of 10 tree seeds
3. Collection of 10 fruit and nut leaves
4. Collection of 10 fruit and nut seeds
5. Collection of 10 garden seeds
6. Collection of 10 wildflower leaves
7. Collection of 10 weed leaves
8. Collection of 10 mounted wood specimens
9. Collection of 3 soil samples
10. Forced bulbs
11. Composting display
12. Garden plan
13. Landscape design display
14. Any other horticulture project activity

## DIVISION 140 – VEGETABLES

Dirty or spoiled vegetables will be disqualified. Tomatoes should have stems removed.

**Class No.** Premiums: \$2.00 - \$1.75 - \$1.50 - \$1.25

1. Beans, Green – 6 pods
2. Beans, Purple – 6 pods
3. Beans, Wax – 6 pods
4. Beets, Red – Pickling – under 2 inches in diameter – 3
5. Beets, Red – Slicing – 2-4 inches in diameter – 3
6. Broccoli – 1 head
7. Brussels Sprouts – 4
8. Cabbage, Green – 1
9. Cabbage, Red – 1
10. Carrots – 3
11. Carrot, heaviest – 1
12. Carrot, longest – 1
13. Cauliflower – 1
14. Celery – 1 bunch (roots removed)
15. Cucumbers – dill, up to 4½" long – 5
16. Cucumbers – slicing – 6" to 8" long – 3
17. Cucumbers – sweets – ¾" to 2½" long – 5
18. Dill – 3 heads (stalks and roots removed)
19. Eggplant – 1

20. Gourds – 3
21. Ground Cherry – 10 husked
22. Herbs (fresh cut – bunched) correctly identified
23. Kohlrabi – 3
24. Muskmelon – 1
25. Onions, red – 3
26. Onions, white – 3
27. Onions, yellow – 3
28. Peppers, banana – 3
29. Peppers, hot – 3
30. Peppers, sweet, green – 3
31. Peppers, sweet, yellow or other colors – 3
32. Pumpkin, Big Max, Atlantic Giant, Big Moon, etc. – 1
33. Pumpkin, Jack-O-Lantern - 1
34. Pumpkin, large true in patch (true pumpkin – green, square or rectangular stem) – 1
35. Pumpkin, miniature – 1
36. Pumpkin, pie – 1
37. Squash, acorn – 1
38. Squash, buttercup – 1
39. Squash, butternut – 1
40. Squash, hubbard – 1
41. Squash, spaghetti – 1
42. Squash, summer, any other correctly identified (no zucchini) – 1
43. Squash, winter, any other correctly identified – 1
44. Squash, zucchini – 1
45. Swiss chard (roots removed) – 3 stalks
46. Tomato, cherry (no green) – 6
47. Tomato, large (no green) – 3
48. Tomato, paste (no green) – 3
49. Tomato, other color (no green or red) – 3
50. Tomatillo – 3
51. Vegetable, any other not listed (correctly identified) – 1
52. Vegetable, most unusual – 1
53. Watermelon, large variety – 1
54. Watermelon, small variety – 1
55. Novelty – painted miniature pumpkin – 1
56. Novelty – dressed zucchini – 1
57. Novelty – animal made out of vegetables (not to be more than 12" long or tall) - 1
58. Garlic – 3
59. Cucumber, ripe – 3
60. Heaviest tomato – 1
61. Heaviest onion – 1
62. Heaviest cabbage – 1
63. Heaviest kohlrabi - 1

### Additional Awards:

Emil J. Steiner Memorial  
*Largest True Pumpkin (Junior Exhibitors)*  
*\$10.00 cash award*  
*Sponsored by the Calumet County Master Gardeners*

## DIVISION 141 – POTATOES

Each entry to contain 4 tubers, cleaned, but not washed, placed on a plate. No green allowed, only mature potatoes.

**Class No.** Premiums: \$2.00 - \$1.75 - \$1.50 - \$1.25

1. Kennebec
2. Red Norland
3. Pontiac
4. Superior
5. Yukon Gold
6. Any other variety – correctly identified
7. Heaviest potato

## DIVISION 142 – FRUITS AND NUTS

Entries must be made by July 31 of exhibit year. Mature medium-sized specimens are desirable. Apples show best with stems. Apples are shown in plates of 4.

Nuts are to be taken from last year's fall harvest.  
Place in Ziploc bag. All nuts must be cracked.

**Class No.** Premiums: \$2.50 - \$2.25 - \$2.00 - \$1.75

1. Cortland apple
2. Golden Delicious apple
3. Red Delicious apple

4. Jonathon apple
5. McIntosh apple
6. Apple – any other variety – correctly identified
7. Crab apple – correctly identified - 5
8. Plum – any variety – correctly identified – 5
9. Pear – correctly identified – 4

10. Grapes – 1 bunch
11. Hickory Nuts – 5
12. Butternuts – 5
13. Walnuts – 5
14. Raspberry – ½ pint
15. Currant – ½ pint
16. Any other berry – ½ pint – correctly identified