

## Plant Science

Director ..... Kristin Myers

### Plaques donated by:

- Best Live Crops Exhibit-Evergreen FS, Inc.
- Best Grain, Hay, Sheaf Exhibit-DEKALB Seeds
- Best Crop Awareness Exhibit-LeRoy 4-H
- Best 4-H Crop Plot-Crop Tech Consulting, Inc.
- Best of Show Display-Casey's Garden Shop
- Best of Show Bushel Basket-In Memory of Gene Mosbacher
- Best of Show Individual Plate-Vicki King
- Best Indoor Gardening Exhibit-Barb & Dick Jurgens
- Best Flower Gardening Exhibit-Joseph & Rosemary Toohill
- Best Flower Arranging Exhibit-Forget Me Not Flowers
- Best Flower Arranging Activity Exhibit-In Memory of Kathleen Donelson
- Best Herb Gardening Exhibit-McLean County Master Gardeners
- Best Plant & Soil Science Exhibit-A B Hatchery & Garden Center
- Best Grounds Improvement Exhibit-Dave Schwartz

\*Please read carefully as all projects are not eligible for the state fair.\*

### Section HA—Crops

Check-in Tuesday, July 28, 5-8 p.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Superintendent ..... Merrill Orns

Assistant Superintendents ..... Jason Crider, Dan Crider

Premiums: Classes 2801-2814 ..... A-\$6      B-\$4      C-\$2

### Rules:

- A. All small grain and forage exhibits must be grown during 2009.
- B. Corn and soybean grain exhibits must be grown by exhibitor during 2008.
- C. Hay—3-5 lbs. of any type of baled hay.
- D. Sheaf classes shall be securely tied and be 3" - 4" in diameter at center band.
- E. Living corn and soybean exhibits must contain root system and exhibitor must compete in corn and soybean gallon classes, respectively. First year exhibitors in this area are exempt from this rule.
- F. Gallon classes must place name of exhibitor on the bottom of the jar on the **inside**.
- G. All gallon jars will be emptied Sunday at check-out except those exhibiting at state fair. State fair exhibits will be emptied at the Extension office after the state fair exhibition.

### Live Exhibits (4H20/10)

*Must be competing in corresponding gallon classes to enter live plants (except for first year exhibitors).*

2801. **Corn:** Two living corn plants in one bucket with soil in it.

2802. **Soybeans:** Five living soybean plants in one bucket with soil in it.

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Please see pages 15-17 for showcase details.

**Grain, Hay, Sheaf (4H20/10)**

- 2803 Oats, 1 gallon
- 2804. Wheat, 1 gallon
- 2805. Hay, Pure Alfalfa - one 6-12 inch slice, should be 95% alfalfa
- 2806. Hay, Grass (one or more grasses) - one 6-12 inch slice, should be 95% grass
- 2807. Hay, Grass/Legume Mix - one 6-12 inch slice
- 2808. Corn, 1 gallon shelled
- 2809. Soybeans, 1 gallon
- 2810. Haylage or Silage, 1 gallon, in gallon size plastic bag
- 2811. Popcorn & All Others, 1 quart
- 2812. Popcorn Ear, 5 samples
- 2813. Oats, sheaf
- 2814. Wheat, sheaf

**Crops Awareness (open to all 4-H ages) (4H20/10)**

Each of the following classes will be an educational exhibit consisting of a poster, display, notebook, or other material. Table space limited to 24" wide x 15" deep. You may enter each class with only one exhibit, but you may want to enter more than one class.

**Premiums: Classes 2816-2820 ..... A-\$5      B-\$3      C-\$1**

- 2816. Consumer/industrial uses of crops
- 2817. Agronomic display–botany, fertility, etc.
- 2818. Integrated pest management–weeds, insect, diseases
- 2819. “Dollars & Cents” of crop production
- 2820. Commodity marketing, summary of accomplishment

**4-H Crop Plots (4H20/10)**

- A. Must be entered by March and currently growing corn or soybean plot.
- B. Classes 2821 - 2824 are judged at exhibitor’s plot the week prior to the fair.
- C. Classes 2821 - 2822 require a plot poster with pictures to display at the fair.

**Premiums: Classes 2821-2824 ..... A-\$10      B-\$5      C-\$3**

- 2821. Crop plot field display–corn
- 2822. Crop plot field display–soybean
- 2823. Corn interview (at plot pre-fair)
- 2824. Soybean interview (at plot pre-fair)

**4-H Project Release, 4:30-6:00 p.m., Sunday, August 2**

Please see pages 15-17 for showcase details.

**Section HB—Garden And Small Fruit (Horticulture)**

Check-in Wednesday, July 29, 7-8:30 a.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Superintendent ..... Dave Schwartz

Assistant Superintendents ..... Kurt Busse, Karl Hedding, Kevin Ritter

Premiums: Classes 2831-2864 ..... A-\$4      B-\$3      C-\$2

**Rules—Classes 2831 through 2864:**

- A. The classes calling for three different vegetables or three different fruits shall not be interpreted as meaning three varieties of the same vegetable or fruit.
- B. All tomatoes exhibited must be **ripe** for McLean County Fair Exhibit.
- C. Waxes or oils should not be used on produce.
- D. All vegetables displayed must have been grown by the exhibitor.
- E. Variety names are encouraged to be indicated on individual plates.

**Classes 2831 through 2836 will be judged on the following basis:**

Assortment of Vegetables or Fruits-10%, Arrangement of Vegetables or Fruits-10%,  
Basket and Decoration-10%, Neatness and Attractiveness of Display-10%,  
Quality of Vegetables or Fruits- 60%

**Display (4H20/10)**

Display should be set up by 4-Her and consist of three to five different vegetables or fruits, no potatoes allowed. Display cloth will be allowed. Display limited to 24" x 24". List varieties used in display on a 3x5 card to accompany exhibit. **First year exhibitors in this project will be conference judged, scheduled at check in.**

2831. Gardening Display Ages 8-10

2832. Gardening Display Ages 11-13

2833. Gardening Display Ages 14+

**Bushel Basket (4H20/10)**

Bushel basket exhibit of fresh fruits and/or vegetables should be set up by 4-Her and consist of not less than six different fruits or vegetables and not more than twelve. Decorations such as herbs or asparagus foliage will not be counted, but should be in prime condition. Display no larger than 24" x 32". Varieties count as one fruit or vegetable (example lima, green, and yellow beans are one vegetable entry). List varieties used on a 3x5 card. **First year exhibitors will be conference judged, scheduled at check in.**

Note - In order to qualify for state fair, there may not be more than 2 different varieties of any vegetable. For example, red and white potatoes would be classified as two different varieties. Also, in order to qualify for state fair, baskets need to include the number and type of vegetables specified in "Tips for Exhibiting Vegetables", available at the Extension Office, or online at [www.mcleanextension.org](http://www.mcleanextension.org).

2834. Bushel Basket Ages 8-10

2835. Bushel Basket Ages 11-13

2836. Bushel Basket Ages 14+

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Please see pages 15-17 for showcase details.

**Individual Plates (4H20/10)**

When making entries, exhibitors will be limited to no more than five individual plate classes. Each exhibitor may make three substitutions at the fair when checking in. Plates will be furnished.

***First year exhibitors will be conference judged, scheduled at check in.***

- 2837. Beans, Lima, twelve (green in pod)
- 2838. Beans, Snap, Green Pod or Golden Wax, twelve
- 2839. Beets, five
- 2840. Broccoli, one head
- 2841. Brussel sprouts, twelve
- 2842. Cabbage, one head
- 2843. Cauliflower, one head
- 2844. Carrots, five
- 2845. Cucumber, pickling or slicing, five
- 2846. Eggplant, one
- 2847. Kohlrabi, five
- 2848. Melon, any variety, one
- 2849. Okra, twelve
- 2850. Onions, large, dry-five; green or set-twelve
- 2851. Peas, twelve pods
- 2852. Peppers, large fruited (ancho/bell/banana/garden salsas), five
- 2853. Peppers, small fruited (cayenne/chilies/cherry/habanero/jalapeno), twelve
- 2854. Potatoes (any variety), five
- 2855. Pumpkin, one
- 2856. Squash, fall (must be an edible variety), one
- 2857. Squash, summer (any variety), five
- 2858. Sweet Corn (husks on), five
- 2859. Tomatoes, slicing, five ripe
- 2860. Tomatoes, small fruited (includes roma), twelve ripe
- 2861. Tree Fruits (plate of five)
- 2862. Small Fruits (½ pint)
- 2863. All other (root crop), five
- 2864. All other (non-root crop), five

**Fair entries must be postmarked by Wednesday, July 1 or delivered to the Extension Office by 5 p.m. July 1.**

**Attention State Fair Delegates  
State Fair eligible youth must attend **ONE** of the  
Question & Answer Sessions or contact the 4-H Fair  
Office before Sunday, August 2, 2009**

Please see pages 15-17 for showcase details.

**Section HC—Gardening Indoors, (Floriculture C) (4H20/10)**

Check-in Tuesday, July 28, 5-8 p.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Superintendents ..... Karen Gottlieb, Kay Henrichs

**Premiums: Classes 2871-2875** ..... A-\$4      B-\$3      C-\$2*Failure to meet requirements will result in lowering of placing by one grade.***Classes 2871-2875: list on a 3x5 card, plant names, rules of care, when and how started for each plant. Plants entered need to be true houseplants. Outdoor annuals, vegetables and herbs are not considered true houseplants.**

2871. Exhibit one plant started **from a cutting or propagation** by exhibitor **during the current** 4-H year. Transplanting is not considered a form of propagation.
2872. Exhibit one plant started **from a cutting or propagation prior to current** 4-H year which is cared for by the exhibitor and in a pot 10" or less in diameter. Transplanting is not considered a form of propagation.
2873. Exhibit a terrarium suitable for display on a table. May have open or closed top. Plants must be started and grown by the exhibitor in the current 4-H year. At least 2 plants should have been propagated by the exhibitor (seed, cuttings, etc.) and grown the current 4-H year.
2874. Exhibit one plant purchased by the exhibitor **by May 1, 2009**. Receipt must be attached to the 3x5 card. Plant should be transplanted into a pot no larger than 10" in diameter.
2875. Exhibit one plant purchased **prior to the current 4-H year** that is cared for by the exhibitor and in a pot 10" or less in diameter.

**Section HF—Herb Gardening (Horticulture) (4H20/10)**

Check-in Tuesday, July 28, 5-8 p.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Superintendent ..... Brian Myers

**Premiums: Classes 2881-2882** ..... A-\$4      B-\$3      C-\$2

2881. **Herb Gardening Ages 8-12:** Any exhibit related to this project. May be a display no larger than 18" x 24". Include an explanation for public understanding.
2882. **Herb Gardening Ages 13 & over:** Any exhibit related to this project. May be a display no larger than 18" x 24". Include an explanation for public understanding.

**Section HD—Flower Gardening (4H20/10)**

(Horticulture or Floriculture) (This class is not eligible for the state fair.)

Check-in Wednesday, July 29, 7-8:30 a.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Superintendents ..... Joe Toohill, Rosemary Toohill

**Premiums: Classes 2891-2896** ..... A-\$4      B-\$3      C-\$2

*Failure to meet requirements will result in lowering of placing by one grade.*

**Rules:**

- A. Members may enter more than one class.
- B. Classes 2891 and 2892: Members will bring either a) three different species of flowers (example: marigold, zinnia, and salvia) or b) three different varieties of a species of flowers (example: giant zinnia, dwarf zinnia, and lilliput zinnia).
- C. Leave the foliage on the stems of the flowers above water. **Flowers having natural foliage must have some foliage left on the stems. Stems should not be completely stripped.**
- D. **Display in clear-glass container with no advertising on it.**

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| 2891. <b>Annuals</b> , 3 blooming stems        | 2894. <b>Roses</b> , 1 blooming stem      |
| 2892. <b>Perennials</b> , 3 blooming stems     | 2895. <b>Sunflowers</b> , 1 blooming stem |
| 2893. <b>Gladiolus Spike</b> , 1 blooming stem | 2896. <b>Dahlia</b> , 1 blooming stem     |

**Section HE—Flower Arranging (Floriculture A, B and D) (4H20/10)**

Check-in Wednesday, July 29, 7-8:30 a.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Member will be present for judging.

Note - Silk arrangements will not be considered for the state fair.

Superintendent ..... Jamie Sennett

Assistant Superintendent ..... Ashley DeFreese

*Failure to meet requirements will result in lowering of placing by one grade.*

**Premiums: Classes 2901-2908** ..... A-\$4      B-\$3      C-\$2

**Arrangements The Year Around:** Exhibit arrangement. Attach 3x5 card explaining where the arrangement should be used, the season for which it was designed, the steps in preparing the arrangement, and its theme. Flower containers shown at the owner's risk. Fresh flowers should be refreshed daily. Exhibitors should know the names of flowers and greenery used in the arrangement. (Classes 2901-2902 fall under Floriculture A)

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| 2901. <b>Real flowers Ages 8-12</b>       | 2902. <b>Real flowers Ages 13+</b>       |
| 2903. <b>Artificial flowers Ages 8-12</b> | 2904. <b>Artificial flowers Ages 13+</b> |
| 2905. <b>Corsages Ages 8-12</b>           | 2906. <b>Corsages Ages 13+</b>           |

(Classes 2907 and 2908 fall under Floriculture B and D)

2907. **Flower Arrangement Display Ages 8-12**

2908. **Flower Arrangement Display Ages 13+**

4-Hers should select a theme and bring props that enhance the theme. Displays can be fresh or silk and should be able to be displayed in a 2'x2' area. Theme suggestions include birthdays, weddings, anniversaries, etc. Attach 3x5 card explaining the theme of the arrangement(s) and the steps in preparing the flower arrangement display. If the display is made of dried flowers, an explanation of how each flower was dried is required.

**Flower Arrangement Activity (Floriculture)**

Check-in Wednesday, July 29, 4:30 p.m.

Judged July 29, 5 p.m.—Displayed in Interstate Lobby

Member will be present for judging.

*Failure to meet requirements will result in lowering of placing by one grade.*

Superintendent ..... Jamie Sennett

Assistant Superintendent ..... Ashley DeFreese

**Premiums: Classes 2911-2912** ..... A-\$9      B-\$7      C-\$5

Exhibitor must assemble two different items from the following: table arrangements, fan, umbrella, corsage, etc. before the judge in one hour. Arrangements to be made from fresh and/or dried plant materials. Silks and artificial materials are not permitted. Bring a 3x5 card for each arrangement to indicate where it will be used. Exhibitor must answer all questions directed by the judge and remain with the exhibit until judged. Exhibitors may include props that enhance the theme of the arrangements. Arrangements will remain on final display with props until general project release on Sunday.

2911. **Flower Arrangement Activity Jr Div Ages 8-12**2912. **Flower Arrangement Activity Sr Div Ages 13+****Section HG—Plant & Soil Science (4H20/10)**

Check-in Tuesday, July 28, 5-8 p.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Superintendent ..... Mike Mouser

**Premiums: Classes 2921-2923** ..... A-\$4      B-\$3      C-\$2

Exhibit a poster no larger than 22"x30" or display no larger than 2' wide x 15" deep completed from project manual.

2921. **It's More Than Just Dirt:** Exhibit should demonstrate an understanding of soil.

2922. **Stems and Stamens:** Exhibit should demonstrate an understanding of one or more of the following - the composition of plants, the functions of individual plant parts, plant life cycles, and the many ways plants reproduce.

2923. **Sprouting Out and Growing Up:** Exhibit should demonstrate an understanding of one or more of the environmental and internal factors that affect plant growth.

**Grounds Improvement (4H20/10)**

Check-in Tuesday, July 28, 5-8 p.m., Cloverleaf Hall

Judged Wednesday, July 29, 9 a.m.

Superintendent ..... Tom Sennett

**Premiums: Classes 2931-2932** ..... A-\$4      B-\$3      C-\$2

Members will be present for judging.

2931. **Landscape Improvement Division** Include a diagram of trees and shrubs in your yard or homestead.

2932. **Home/Farm Improvement Division**


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Please see pages 15-17 for showcase details.