

PLANT SCIENCE 4-H & FFA

Dept. P – Superintendents: Carla Smith and Jim Ruth

Premiums in each category: 1st-\$3.00 2nd-\$2.00 3rd-\$1.00

For 4-H Members to qualify for State Fair competition, they must enter and win at the Pottawatomie County Free Fair.



Agronomy & Horticulture Division-

All crop exhibits must be grown by the exhibitor as a part of a 4-H or FFA project during the year exhibited. Each exhibitor is limited to one entry per class.

Cotton Exhibit – 4-H & FFA

- P1. Any Variety – 20 open bolls (Exhibit to be shown with petiole attached, bract leaves removed and burr side up)

Corn Exhibit – 4-H & FFA

- P2. White or Yellow – 10 ears

Grain Sorghum Exhibit – 4-H & FFA

- P3. Grain sorghum (10 heads) (Exhibit to be trimmed with 2 ½ inches of peduncle left on the head.)
- P4. Threshed Grain sorghum exhibit (one-gallon glass or plastic jar, with lid)

Canola Exhibit – 4-H & FFA

- P5. Canola (one-gallon glass or plastic jar, with lid)

Small Grain Exhibit – 4-H & FFA

All exhibits of wheat must be labeled as to specific variety or name of hybrid. Please refer to the Oklahoma Cooperative Extension Fact Sheet PSS-2168 Maturity Classification of Wheat Varieties. All grain must be exhibited in one-gallon glass jar.

- P6. Very Early & Early Maturity Hard Red Wheat Varieties
- P7. Medium Maturity Hard Red Wheat Varieties
- P8. Late & Very Late Maturity Hard Red Wheat Varieties
- P9. Hard White Winter Wheat Varieties
- P10. Any other wheat variety including Hard White and Soft Red Varieties
- P11. Oats, any variety
- P12. Rye, any variety
- P13. Barley, any variety

Legume Seed Exhibit – 4-H & FFA (one-gallon glass or plastic jar, with lid)

- P14. Alfalfa
- P15. Other small-seeded legumes, such as vetch, sweet clover, etc. (2 quarts)
- P16. Soybeans
- P17. Other large-seeded legumes (cowpeas, mungbeans, winter peas, etc.)
- P18. Peanuts, any type/variety

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Forage Bundles – 4-H & FFA

Bundles must be 3 to 5 inches in diameter at center band. **MUST BE CURED** (dry) before forming bundle. Will be judged on the best stage of maturity for each kind and appearance of bundle. Undersized and oversized bundles, damp or moldy bundles will be disqualified. (there are no state 4-H forage bundle categories)

P19. Improved Bluestems
P21. Big Bluestems
P23. Switch Grass
P25. Love Grass
P27. Bermuda Grass
P29. Other Grasses
P31. Course Stem Legumes

P20. Little Bluestems
P22. Indian Grass
P24. Grama Grasses
P26. Tall Fescue
P28. Sudan & Haygrazer
P30. Fine Stem Legumes

Plant Display Board –4-H & FFA

- An exhibit consists of ten (10) native or introduced, annual, biennial or perennial plants mounted on a plywood pegboard or other suitable material, approximately 3 feet x 3 feet, and no larger than 3 feet x 4 feet. Two (2) holes ½ inch in diameter and 1 inch from the top should be drilled in the board to facilitate displaying the exhibit.
- Exhibitor must sign and date the board on the back in ink
- Plant specimens must have been collected during the current project year
- Single plants or bundles not to exceed 1 inch in diameter may be used. No plant should extend above or below the display board.
- Plants must be labeled with the common name. Label with letters approximately ½ inch high. Labels may be placed above, below, or across the plants.
- References for the displays are:
 - Field Guide to OK Plants: By Ronald J Tyrl
 - OSU Fact Sheet F-2872
 - OSU Circular E-904 Bobwhite Quail Habitat
 - OSU Circular E-979 White-tailed Deer Habitat

P32. Forages with desirable grazing value for cattle
P33. Forages with undesirable grazing value for cattle
P34. Forages with desirable browsing value for wildlife (can be one species or multiple on board but species must be identified)
P35. Forages with undesirable browsing value for wildlife (can be one species or multiple on board but species must be identified)

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Fruit & Vegetables

- P36. Apples, red, 5
- P37. Apples, yellow, 5
- P38. Eggplant, 2
- P39. Okra, 6
- P40. Onions, red, 3
- P41. Onions, white, 3
- P42. Onions, yellow, 3
- P43. Pears, 5
- P44. Pepper, banana pepper, 5
- P45. Pepper, jalapeno, 5
- P46. Pepper, other hot pepper, 5
- P47. Pepper, sweet bell pepper, 5
- P48. Potatoes, red, 3
- P49. Potatoes, yellow, white, or russet, 3
- P50. Pumpkin, pie or culinary type, 1
- P51. Pumpkin, giant (largest by weight), 1 (All giant pumpkin entries transport and entry to the State Fair are the exhibitor's responsibility)
- P52. Pumpkin, jack-o-lantern, 1
- P53. Squash, summer, patty pan, (scallop type), 2
- P54. Squash, summer, Yellow crook neck, 2
- P55. Squash, summer, Yellow straight neck, 2
- P56. Squash, summer, Zucchini, 2
- P57. Squash, winter, Acorn, 1
- P58. Squash, winter, Butternut, 1
- P59. Squash, winter, other, 1
- P60. Sweet Potatoes, any variety, 3
- P61. Tomatoes, large type, 5
- P62. Tomatoes, cherry type (1½ inches or less in diameter), 5
- P63. Watermelon, oblong type, 1
- P64. Watermelon, round type, 1
- P65. Watermelon, small icebox, 1

Honey Exhibit – 4-H & FFA

- Honey should be placed in colorless, one-pint honey jars or standard, colorless one-pint fruit jars such as those made by Kerr, Ball, Mason, etc. Other types of jars will be rejected. Jar covers should be new if possible and should be screwed on tightly to prevent leakage. There should be 1/4"- 1/2" air space below the lid.
 - Honey should be clear and free from foreign particles.
 - Chunk honey should be perfectly capped, free from stains, bee-bread & finger prints. Edges should be clean-cut, not ragged. One (1) piece only in each jar; as wide as jar mouth will permit and long enough to extend from the bottom to the top without jamming
 - Labels should be neat and plainly written or printed
- P66. Comb Honey, one-pint jar P67. Extracted Honey, one-pint jar

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Home Garden Food Basket – 4-H & FFA

- This exhibit is a quality selection of from five to nine different species of mature fruits and/or vegetables from the exhibit list above. Items not listed above can be used, but should not be more than a third of the species utilized. Amounts of fruits and vegetables in this exhibit should be such that they can be arranged in a neat and orderly manner and have good eye appeal. There must be enough of each fruit or vegetable for the judge to determine quality.
- All fruits and vegetables exhibited must be grown by the exhibitor.
- No specimens in this exhibit may be entered in another class. Any combination of fruits and vegetables may be used.
- The exhibit must be in a container such as a basket or box.
- One third (1/3) of the judging will be on how well the exhibit is prepared and presented. Packing such as paper, straw or cloth may be used but the fruits and vegetables should be the main attraction of the exhibit. No artificial plant material or specimens can be utilized as part of the exhibit.

P68. Jr. Division (Completed 3rd grade to 7th grade)

P69. Sr. Division (8th grade to 12th grade)

*All 4-H exhibitors must be 8 years old AND in the 3rd grade by September 1st, 2023. Cloverbuds are welcome to enter in Open Class.

For all Junior Division exhibits, the age of contestant shall be determined as of September 1, of the current year.

Plant Science – 4-H & FFA Hi-Point Award

Points for the Hi-Point Award will be calculated using the following system. Each winning entry in the 4-H & FFA Plant Science Division will be added together to determine the Hi-Point winner.

1st Place	6 pts
2nd Place	5 pts
3rd Place	4 pts
4th Place	3 pts
5th Place	2 pts
6th Place	1 pt

Each exhibitor may win only one Hi-Point belt buckle per fair.