



**Department I (1-5)  
FFA  
FIELD CROPS  
HORTICULTURE  
AGRICULTURAL MECHANICS  
FFA BUILDING EXHIBITS**

The FFA is the national organization of agricultural education students in public secondary schools. In 2012, Missouri FFA reached an all-time record membership since the organization's founding over 80 years ago. Missouri FFA membership has shown a steady increase for the past thirty years with enrollment of 13,325 students in 1985, and over 26,500 in 2011. Research results show that the four-year sequential program in agricultural education provides good preparation for the agriculture production, agricultural business and service, agricultural technology, natural resources, horticulture and other agricultural professions.

**SUPERINTENDENT**  
**Steven Rogers, Agriculture, Food and  
Natural Resources Education**  
Department of Elementary and Secondary Education  
Jefferson City, MO 65102

**4-H and FFA LIVESTOCK GENERAL  
LIVESTOCK RULES FOR 2018 MISSOURI STATE FAIR  
SEE INFORMATION IN DEPARTMENT J**

The Missouri State Fair does not guarantee premium money, merchandise, prizes or special awards. Because the State Fair Commission is without constitutional or statutory authority to borrow money for its operation, it reserves the right to prorate premium money because of state budget restraints.

**FFA EDUCATIONAL DISPLAYS AND  
AGRICULTURAL MECHANICS EXHIBITS**

This section provides an opportunity for the public to develop an appreciation of this important phase of agricultural education and FFA programs. Also, it provides a means of giving recognition for accomplishments in this area and furnishes opportunities for exchanging ideas.

Every precaution will be taken to protect the exhibits; however, neither the Missouri State Fair nor the officials of this department will be responsible for any losses or damage to exhibits.

**JUDGING AND AWARDS  
FFA AGRICULTURAL MECHANICS,  
FIELD CROPS, HORTICULTURE,  
EXHIBIT BOOTHS AND DISPLAYS**

- Judging** - The judges will place all classes according to merit in ribbon groups. Unworthy exhibits will not be placed.
- Awards** - Ribbons will be awarded as determined by the group placing. Premiums will be paid on a point basis on the group ribbons awarded. The values of a point for these exhibits will be determined by dividing the total points of ribbons awarded for these exhibits into the total money allotted to this section. The point value for the educational and demonstration booths may vary from year to year depending on participation.

**FFA EDUCATIONAL BOOTH RESERVATIONS**

- Educational booth space will be reserved by sending an email to Steven Rogers at Steven.Rogers@dese.mo.gov beginning at 8:00 a.m. on Feb. 14, 2018. Chapters should clearly specify whether they are requesting an Educational Booth or Horticulture Booth.
- Entries will be accepted on a first-come, first-served basis except for chapters who requested but who didn't get a booth last year because of space limitations. Chapters who requested but didn't get a booth space in 2018 must still request a booth by the deadline to receive preferential treatment.
- Booths will be limited to 12 entries.
- Schools will receive the list of chapters with educational booths after March 1.

**FFA EDUCATIONAL BOOTH REGULATIONS**

- A space containing a sloping table will be provided for each exhibit booth. Each chapter's space is 5' 4" wide across the front and 6' deep with a solid plywood top. The rear of the table has a 4' high by 5' 4" wide plywood back wall for displaying school banners or exhibit material. Electrical outlets are provided.
- All exhibits must be in place by 6:00 p.m. on Tuesday, August 7th.
- Educational Booths must be in place by 6:00 p.m. Tuesday, August 7th.
- The booths will be placed into Gold, Silver and Bronze ribbon groups, and a Grand Champion booth will be picked. The score card for the FFA Educational Booths will remain the same as in past years.

**Score Card for FFA Educational Agricultural Booths**

Purpose: To promote the benefits of enrolling in agricultural education and joining FFA. Booths will be the type that could be used in a variety of set-

tings, such as FFA Week booths, shopping center displays, local fairs, etc. **PROMOTES BENEFITS OF AGRICULTURAL EDUCATION AND FFA (50 PTS.)**

Promotes one of the three components:

- (Classroom, SAEP, Leadership) ..... 30 pts.
- Central theme:  
(promotes one idea, caption, title)..... 20 pts.
- APPEARANCE (50 PTS.)**
- Attention ..... 10 pts.
- Interest ..... 10 pts.
- Durability..... 10 pts.
- Neatness ..... 10 pts.
- Organization ..... 10 pts.
- TOTAL POINTS ..... 100 pts.**

**FFA HORTICULTURE BOOTH RESERVATIONS**

- Horticulture booth space will be reserved by sending an email to Steven Rogers at Steven.Rogers@dese.mo.gov beginning at 8:00 a.m. on Feb. 15, 2018. Chapters should clearly specify whether they are requesting an Educational Booth or Horticulture Booth.
- Entries will be accepted on a first-come, first-served basis with a limit of six horticulture booths accepted.
- Schools will receive the list of chapters with booths after March 1.
- No plants or materials in the booth will be judged as separate exhibits.

**FFA HORTICULTURE BOOTH REGULATIONS**

- A floor space approximately 8' by 6' will be provided each chapter on which to build their horticulture display. Booths will be placed at various locations in the FFA Building to be determined by FFA officials as chapters arrive based on the building's layout for that year. Because of increased interest from chapters to bring Horticulture Booths, it will be necessary to enforce the 8' by 6' dimensions. Electrical outlets are provided.
- All exhibits must be in place by 6:00 p.m. on Tuesday, August 7th.
- The booths will be placed into Gold, Silver and Bronze ribbon groups and a Grand Champion booth will be picked.

**CHAPTER SCRAPBOOKS**

Chapters exhibiting the first place scrapbook at each of the sixteen 2018 FFA Area Contests are invited to display their winning scrapbooks in the FFA Building. The scrapbooks will be on display two to four scrapbooks at a time. They will be rotated daily with the extra books being stored in the office.

The scrapbooks should be brought to the FFA Building on August 7, 8 or 9. The books should be picked up on Sunday, August 19, after 6:00 p.m. or on Monday, August 20 before 10:00 a.m.

**FFA AGRI-SCIENCE FAIR**

The Agri-Science Fair is established to recognize FFA members who are studying the application of scientific principles and emerging technologies in an agricultural enterprise. As the Agri-Science Fair evolves in the future, rules and guidelines may change, but the National Agri-Science Student Program application, a student interview and a table display will be used as the criteria for selecting the 2018 winners. Eligibility requirements differ from the National FFA application in that participation is open to any current FFA member who is a current high school student or 2018 graduate.

- Pre-entries must be in the **hands** of Steven Rogers, Agricultural Education, 205 Jefferson Street, Jefferson City, MO 65102, by **August 1, 2018**. Pre-entry will consist of emailing a list of contestants and their respective categories.
- Agri-Science Fair entries must be in place by 10:00 a.m. on Thursday, August 9th.
- A table space of approximately 4 ft. wide and 2 ft. deep will be provided each applicant. The display should include the National FFA Agri-Science Student Application (which will be returned back to the student) along with pictures, diagrams, charts, and other items which will help demonstrate the student's Agri-Science project. A self-standing backboard is suggested but may be only four feet high.
- Students must be present for an interview which will consist of 25% of the judging. The interview will be to determine the student's knowledge of the Agri-Science project and what was learned.
- Scoring rubric will be provided to contestants after pre-entries are received.
- Each exhibit may consist of one or more panels of information and any objects the student wishes to display. The exhibit panels must be constructed so as to be stable and free standing. BOTH SIDES of the display must be covered with an attractive backing.
- All projects must have the following information attached to the upper right hand corner of the exhibit: a) Name of person(s) responsible for developing project. b) Grade in school (for the previously completed school year). c) Chapter name.
- Agri-Science project topics should be selected from one of the following five categories.

**CATEGORIES**

**EXAMPLES**

- A. Food Science
  - Control of molds on bakery products
  - Compare yeast fermentation techniques for converting sugars to alcohol
  - Resistance of organic fruits to common diseases
- B. Environmental Science
  - Effect of agricultural chemicals on water quality
  - Compare water movements through different soil types
  - Effects of cropping practices on wildlife populations

- C. Animal Science
    - Compare irrigation systems for energy efficiency
    - Compare effects of thawing temperatures on livestock
    - Compare nutrient levels on animal growth semen
    - Effects of growth hormone on meat/milk production
    - Research new disease control mechanisms
    - Effects of estrus synchronization on ovulation
  - D. Plant/Soil Science
    - Effects of lunar climate and soil conditions on plant growth
    - Effects of substrate particle size on shiitake mushroom growth
    - Effects of heavy metals such as cadmium on edible plants
    - Compare plant growth between hydroponics and conventional methods
    - Effect of ultraviolet light on soil microbes
  - E. Mechanical/Engineering Science
    - Develop alternate energy source engines
    - Investigate light energy sources
    - Absorption media for plant materials energy efficiency
9. The projects will be placed into Gold, Silver, and Bronze ribbon groups and a Grand Champion and Reserve Champion will be selected.

**FFA AGRICULTURAL MECHANICS PROJECTS**

1. Articles exhibited must have been constructed by FFA members either as part of their agricultural mechanics instruction in agricultural education or as part of their supervised occupational experience programs.
2. Entries will be judged separately and independently by three judges on the basis of workmanship, finish, design, strength, usefulness and suitability. Each judge will score each entry on a 4 point scale. The Agricultural Mechanics Chairman will tabulate the final ribbon placing using the following judging scale:
  - 4.0 - 3.5 .....Purple
  - 3.4 - 2.5 .....Gold
  - 2.4 - 1.5 .....Silver
  - 1.4 - 1.0 .....Bronze
  - 0.9-0 .....Disqualified
3. A champion and reserve champion rosette will be awarded to the best entry in each of the following point ranges (based on the allowable points for a Purple) or category in the FFA Agricultural Mechanics show. The selection of these champions will first be based on the total points received by three judges. A tie in points will be broken by the three judges. Champions do not need to have received a purple placing, if no project in the point range has received a purple: 1 to 29 points, 30 to 59 points, 60 to 99 points, 100 to 149 points, 150 to 179 points, 180 to 199 points, and over 200 points.
4. The Restored, Refinished or Rebuilt Tractor or Lawn/Farm Equipment must be in place by 9:00 a.m. on Wednesday, August 8, 2018. Students may elect to be present for an interview, which will start at 9:00 a.m. on Wednesday, August 8. The interview will be to determine the student's knowledge of the project and what was learned. Students are asked to bring a portfolio to show the process, work and cost of the project. This interview will play a small role in the judges' final score. There should also be a laminated story board with at least 6 pictures showing the progress of the project, which will stay with the project throughout the fair.
5. Each project will receive an identification number upon arrival. Names of individuals and schools will be placed on the project after judging is complete. School or individual names painted on the project must be covered by the exhibitor. Covers will be removed by the Agricultural Mechanics Committee after the projects are judged.
6. No agriculture education instructors or students with agricultural mechanics entries at the State Fair will be allowed to confer with the judges during judging.
7. An article can be shown only once at the State Fair, but does not have to be constructed during the year it is exhibited.
8. All articles must be painted or properly treated in the case of feeders, etc. All articles must be clean and in presentable condition even though they may have been used. No spray painting will be allowed on the fairgrounds.
9. Each exhibitor is limited to a total of two entries of the same kind of project.
10. The points assigned to projects are based upon the amount and difficulty of the work involved, difficulty and cost of moving, and the cost of materials. The points given below are for average projects of the kind listed. The superintendent may adjust the points up or down within range of 50 percent when a project is unusual in size or difficulty, and it appears necessary in order to keep the points in balance.
11. Projects built to be used as one unit should be entered as one entry and not entered separately. (Example: Trailer ramps should not be entered separately from the trailer if the trailer is being exhibited.) The FFA superintendent and the Agricultural Mechanics superintendent will make the final ruling if a question arises.
12. All agricultural mechanics exhibits MUST BE on grounds by 6 p.m., Tuesday, August 7. Projects may start arriving as early as 3 p.m. on Monday, August 6. The only exception to this will be the Restored, Refinished, or Rebuilt Tractors or Lawn/Farm Equipment, which must

- be in place by 9:00 a.m. on Wednesday, August 8.
13. Exhibits will be released at 6:00 p.m., Sunday, August 19. Premiums will not be paid for exhibits leaving the Fairgrounds before the release time. Exhibits remaining on the grounds after 10:00 a.m. on Monday, August 20, will be unattended.
  14. A skid steer will be available to unload only. No skid steer will be available on Sunday, August 19 to load projects.

Class No.	Class	Purple	Gold	Silver	Bronze
<b>Livestock Trailers</b>					
A1000	Gooseneck Livestock Trailer with Top	240	180	120	60
A1001	Hydraulic Livestock Trailer	180	135	90	45
A1002	Straight Tongue Livestock Trailer with Top	180	135	90	45
A1003	Straight Tongue Livestock Trailer without Top	160	120	80	40
<b>Machinery Trailers</b>					
A1100	Drop Deck Trailer with Hydraulic Dovetail	240	180	120	60
A1101	Drop Deck Trailer	220	160	100	50
A1102	Gooseneck Machinery Trailer with Dovetail with Hydraulics	200	150	100	50
A1103	Gooseneck Machinery Trailer with Dovetail, Ramps, & Platform	200	150	100	50
A1104	Gooseneck Machinery Trailer with Ramps & Platform	190	145	100	55
A1105	Gooseneck Machinery Trailer with Platform & Dovetail	190	145	100	55
A1106	Gooseneck Machinery Trailer with Dovetail & Ramps	190	145	100	55
A1107	Gooseneck Machinery Trailer with Platform	185	140	95	50
A1108	Gooseneck Machinery Trailer with Dovetail	185	140	95	50
A1109	Gooseneck Machinery Trailer with Ramps	185	140	95	50
A1110	Gooseneck Machinery Trailer	180	135	90	45
A1111	Gooseneck Machinery Trailer 18' or Less with Dovetail, Ramps, & Platform	180	135	90	45
A1112	Gooseneck Machinery Trailer 18' or Less with Ramps & Platform	175	130	85	40
A1113	Gooseneck Machinery Trailer 18' or Less with Platform & Dovetail	175	130	85	40
A1114	Gooseneck Machinery Trailer 18' or Less with Dovetail & Ramps	175	130	85	40
A1115	Gooseneck Machinery Trailer 18' or Less with Platform	170	125	80	35
A1116	Gooseneck Machinery Trailer 18' or Less with Dovetail	170	125	80	35
A1117	Gooseneck Machinery Trailer 18' or Less with Ramps	170	125	80	35
A1118	Gooseneck Machinery Trailer 18' or Less	165	12	75	35
<b>Utility Trailers</b>					
A1200	Gooseneck Hydraulic Dump Trailer	230	173	115	57
A1201	Bumper Pull Hydraulic Dump Trailer	200	150	100	50
A1202	Gooseneck Enclosed Utility Trailer	180	135	90	50
A1203	Bumper Pull Enclosed Utility Trailer	170	130	90	50
A1204	Straight Tongue 2 Axle with Dovetail & Ramps/Tailgate	170	130	90	50
A1205	Straight Tongue 2 Axle with Hydraulic Tilt	160	120	80	40
A1206	Straight Tongue 2 Axle with Dovetail	160	120	80	40
A1207	Straight Tongue 2 Axle with Ramps/Tailgate	160	120	80	40
A1208	Straight Tongue 2 Axle with Tilt	150	110	70	30
A1209	Straight Tongue 2 Axle Trailer	140	105	70	35
A1210	Horse Drawn Wagon	140	105	70	35
A1211	Single Axle Trailer Over 8' with Gate/Ramp	85	65	45	25
A1212	Single Axle Trailer Over 8' with Tilt	85	65	45	25
A1213	Single Axle Trailer Over 8'	80	60	40	20
A1214	Header Trailer	80	60	40	20
A1215	Single Axle Trailer 8' & Under with Gate/Ramp	65	50	35	20
A1216	Single Axle Trailer 8' & Under with Tilt	65	50	35	20
A1217	Single Axle Trailer 8' & Under	60	45	30	15
A1218	Lawn/Chore Trailer or Cart	24	18	12	6
<b>Scrapers/Blades</b>					
A1300	Box Scraper with Hydraulics	120	90	60	30
A1301	Bobcat Tree Shear with Hydraulics	120	90	60	30
A1302	Heavy Duty Scraper Blade with Hydraulics	100	75	50	25
A1303	Rock Bucket	100	75	50	25
A1304	Grappler Bucket	100	75	50	25
A1305	Gravity Flow Feed Trailer	100	75	50	25
A1306	Gravity Wagon Frame	100	75	50	25
A1307	3 Points Box Scraper	80	60	40	20
A1308	Bobcat Bucket	80	60	40	20
A1309	3 Points Scraper Blade (No Hydraulics)	80	60	40	20
A1310	Pickup Flatbeds	80	60	40	20
A1311	Motor Driven Hydraulic Log Splitter	72	54	36	18

A1312	Pasture Renovator	52	39	26	13	A1707	Cargo Carrier	20	15	10	5
A1313	Hydraulic Log Splitter	48	36	24	12	A1708	Four Wheeler Ramps	16	12	8	4
A1314	Soil Compactor Roller	24	18	12	6	A1709	Tow Bar Hitch	16	12	8	4
A1315	Harrow	20	15	10	5	A1710	Tractor Rollover Bar	16	12	8	6
<b>Hay Equipment</b>											
A1400	Gooseneck In Line Large Round Bale Trailer	120	90	60	30	A1711	Brushguard	12	9	6	3
A1401	Bumper In-Line Dump Round Bale Trailer	100	75	50	25	A1712	Car Ramp Pair	12	9	6	3
A1402	Large Round Bale Trailer (Gooseneck)	100	75	50	25	A1713	Trailer Dolly	12	9	6	3
A1403	Portable Large Round Bale Feeder Trailer	100	75	50	25	A1714	Airgate	8	6	4	2
A1404	Large Round Bale Trailer	80	60	40	20	A1715	Ramp (Single)	6	4	2	1
A1405	Large Round Bale Trailer (Bumper Pull)	75	55	35	15	A1716	Booster Cables	4	3	2	1
A1406	Large Round Bale Un-roller (Hydraulic)	48	36	24	12	A1717	Hitch Pin	4	3	2	1
A1407	Scissor Jack Hay Mover	48	36	24	12	A1718	Receiver Hitch				
A1408	Pallet Forks	48	36	24	12	<b>Metal Lawn / Household Items</b>					
A1409	Bale Stinger	40	30	20	10	A1800	Lawn Swing Frame	20	15	10	5
A1410	Tractor Carryall/Bale Forks Combination	40	30	20	10	A1801	Propagation Table	18	12	6	3
A1411	Large Round Bale Hay Feeder	32	24	16	8	A1802	Chair Rack	16	12	8	4
A1412	Large Round Bale Stinger/Forks	32	24	16	8	A1803	Park Bench	16	12	8	4
<b>Livestock &amp; Animal Equipment</b>											
A1500	Cattle Working Chute & Corral	220	165	110	55	A1804	Hat Stands	12	9	6	3
A1501	Animal Handling System	160	120	80	40	A1805	Metal Shelf	12	9	6	3
A1502	Cattle Alleyway without Head Gate	120	90	60	30	A1806	Metal Table	12	9	6	3
A1503	Large Animal Holding Chute with Head Gate	120	90	60	30	A1807	Fire Wood Rack	12	9	6	3
A1504	Loading Chute	120	90	60	30	A1808	Trash Barrel	10	8	6	4
A1505	Corral Panel Trailer with Portable Corral System (Minimum 10 Gates)	120	90	60	30	A1809	Hammock Stand - Metal	8	6	4	2
A1506	Bulk Feed Bin on Wheels	100	75	50	25	A1810	Post Puller	8	6	4	2
A1507	Portable Animal Chute	80	60	40	20	A1811	Yard Ornament - Advanced	8	6	4	2
A1508	Portable Corral System (Minimum 10 Gates)	80	60	40	20	A1812	Boot Jack	6	4	2	1
A1509	Small Animal Holding Chute	80	60	40	20	A1813	Metal Farm Sign	6	4	2	1
A1510	Steer Roping Chute	80	60	40	20	A1814	Metal Trellis	6	4	2	1
A1511	Cattle Crossing Guard	80	60	40	20	A1815	Post Driver	6	4	2	1
A1512	Bucking Chute	60	45	30	15	A1816	Metal Shepherds Hook	5	4	3	2
A1513	Bulk Feeder	60	45	30	15	A1817	Boot Scraper	4	3	2	1
A1514	Large Animal Head Gate	60	45	30	15	A1818	Can Crusher	4	3	2	1
A1515	Corral Panel Trailer	52	39	26	13	A1819	Flower Pot Holder	4	3	2	1
A1516	Sheep Rack	42	32	24	16	A1820	Horseshoe Figure	4	3	2	1
A1517	Livestock Feeder - Wooden	40	30	20	10	A1821	Metal Lamp	4	3	2	1
A1518	Livestock Feeder - Metal	40	30	20	10	A1822	Plant Hanger	4	3	2	1
A1519	Small Animal Carrier	40	30	20	10	A1823	Yard Ornament - Beginner	4	3	2	1
A1520	Dog Box	36	27	18	9	<b>Outdoor Living Projects</b>					
A1521	Bulk Feed Bin	32	24	16	8	A1900	Boat Dock	192	144	96	48
A1522	Cattle Clipping Chute	32	24	16	8	A1901	Large Barbecue Grill/Smoker with Trailer	100	75	50	25
A1523	Metal Gate - Advanced	32	24	16	8	A1902	Small Barbecue Grill/Smoker with Trailer	80	60	40	20
A1524	Palpation Cage	32	24	16	8	A1903	Boat - Metal, Flat Bottom	80	60	40	20
A1525	Pickup Livestock Racks with Top	32	24	16	8	A1904	Large Smoker	80	60	40	20
A1526	Wooden Feed Bunk	32	24	16	8	A1905	Large Barbecue Grill	64	48	32	16
A1527	Dog House	20	15	10	5	A1906	Wood Playground Equipment	52	39	26	13
A1528	Metal Frame Feed Bunks	16	12	8	4	A1907	Picnic Table - Advanced - Wood	40	30	20	10
A1529	Metal Gates - Beginner	16	12	8	4	A1908	Picnic Table - Advanced - Metal	40	30	20	10
A1530	Saddle Rack	16	12	8	4	A1909	Stove	40	30	20	10
A1531	Tack Box	16	12	8	4	A1910	Medium Barbecue Grill	32	24	16	8
A1532	Pickup Livestock Racks	12	9	6	3	A1911	Picnic Table - Intermediate - Wood	32	24	16	8
A1533	Pony Sled	12	9	6	3	A1912	Picnic Table - Intermediate - Metal	32	24	16	8
A1534	Saddle Rack	12	9	6	3	A1913	Self Standing Deer Stand	32	24	16	8
A1535	Show Box	12	9	6	3	A1914	Outdoor Fireplace	24	18	12	6
A1536	Stall Divider (Single)	8	6	4	2	A1915	Picnic Table - Beginner - Wood	24	18	12	6
A1537	Spool Un-roller	4	3	2	1	A1916	Picnic Table - Beginner - Metal	24	18	12	6
<b>Shop Equipment</b>											
A1600	Hydraulic Shop Hoist/Press	36	27	18	9	A1917	Small Barbecue Grill	16	12	8	4
A1601	Fuel Tank	32	24	16	8	A1918	Deer Stand	12	9	6	3
A1602	Welding Table - Advanced	32	24	16	8	A1919	Roping Stand/Dummy	12	9	6	3
A1603	Tire Dolly - Advanced	28	21	14	7	A1920	Fishing Pole Holder	12	9	6	3
A1604	Engine Stand	20	15	10	5	A1921	Barbecue Rack for Ribs	8	6	4	2
A1605	Shop Press	20	15	10	5	A1922	Bike Rack	8	6	4	2
A1606	Wheel Barrow	16	12	8	4	A1923	Multiple Target	6	4	2	1
A1607	Jack Stand Pair	12	9	6	3	A1924	Campfire Barbecue grill	4	3	2	1
A1608	Oxyacetylene Cart	12	9	6	3	A1925	Target (Single)	4	3	2	1
A1609	Sawhorse Pair	12	9	6	3	<b>Wood Lawn &amp; Household Projects</b>					
A1610	Welding Table - Beginner	12	9	6	3	A2000	Wooden Storage Shed (10'x12')	160	120	80	40
A1611	Floor Creeper	8	6	4	2	A2001	Playhouse	140	105	70	35
A1612	Bead Breaker	6	4	2	1	A2002	Wooden Storage Shed (8'x10')	140	105	70	35
A1613	Roller Stand	6	4	2	1	A2003	Full Bed set	80	60	40	20
A1614	Tool box	6	4	2	1	A2004	Large Entertainment Center/Cabinet	80	60	40	20
<b>Vehicle &amp; Tractor Accessories</b>											
A1700	Tractor Carryall with Racks	60	45	30	15	A2005	Gun Cabinet	52	39	26	13
A1701	Tractor Boom with Hydraulics	52	39	26	13	A2006	Dresser	52	39	26	13
A1702	Tractor Boom	32	24	16	8	A2007	Oak Furniture	40	30	20	10
A1703	Tractor Carryall	32	24	16	8	A2008	Medium Entertainment Center/Cabinet	36	27	18	9
A1704	3 Point Quick Hitch	28	21	14	7	A2009	Lawn Swing with Frame	32	24	16	8
A1705	Brushguard/Bumper Guard	24	18	12	6	A2010	Porch Glider	32	24	16	8
A1706	Cab Guard	24	18	12	6	A2011	Cabinet	24	18	12	6
						A2012	Cedar Chest/Wood Trellis	24	18	12	6
						A2013	Corner Shelf	24	18	12	6
						A2014	Double Chair	24	18	12	4
						A2015	Small Entertainment Center/Cabinet	24	18	12	6
						A2016	Head Board	24	18	12	6
						A2017	Patio Chair & Table Combo	24	18	12	6
						A2018	Rocking Horse	24	18	12	6
						A2019	Step Ladder (4 Steps or More)	24	18	12	6
						A2020	End Table	20	15	10	5
						A2021	Fishing Pole Holder - Multiple	20	15	10	5



A2022	Patio Table	20	15	10	5
A2023	End Table	16	12	8	4
A2024	Lawn Chair - Advanced	16	12	8	4
A2025	Love Seat/Hope Chest	16	12	8	4
A2026	Nail Box - Advanced	16	12	8	4
A2027	Patio Chair	16	12	8	4
A2028	Wood CD Cabinet	16	12	8	4
A2029	Wooden Bowl	16	12	8	4
A2030	Book Shelf/Desk	12	9	6	3
A2031	Double Flower Box	12	9	6	3
A2032	End Table with Tile Top	12	9	6	3
A2033	Large Bird House	12	9	6	3
A2034	Lawn Chair - Intermediate	12	9	6	3
A2035	Lawn Chair/Bench	12	9	6	3
A2036	Lawn Swing Seat	12	9	6	3
A2037	Mirror Stand	12	9	6	3
A2038	Plant Stand	12	9	6	3
A2039	Quilt Rack	12	9	6	3
A2040	Step Ladder (3 Steps or Less)	12	9	6	3
A2041	Wood Cabinet	12	9	6	3
A2042	Wooden Chopping Block	12	9	6	3
A2043	Stool - Advanced	10	8	6	4
A2044	Bed Stand	8	6	4	2
A2045	Bird Feeder	8	6	4	2
A2046	Bird House	8	6	4	2
A2047	Fishing Pole Holder - Single	8	6	4	2
A2048	Large Flower Box	8	6	4	2
A2049	Folding Chair	8	6	4	2
A2050	Stool - Intermediate	8	6	4	2
A2051	Wooden Gun Rack - Advanced	8	6	4	2
A2052	Lamp	8	6	4	2
A2053	Letter Tray	8	6	4	2
A2054	Nail Box - Beginner	8	6	4	3
A2055	Wall Decoration - Intermediate	8	6	4	2
A2056	Wall Shelf	8	6	4	2
A2057	Wood Bench	8	6	4	2
A2058	Wood Sign	8	6	4	2
A2059	Wooden Gun Rack - Intermediate	8	6	4	2
A2060	Wood Cutting Board	8	6	4	2
A2061	Lawn Decoration	8	6	4	2
A2062	Stool - Beginner	6	4	2	1
A2063	Bird Feeder/Yard Ornament	4	3	2	1
A2064	Boot Jack	4	3	2	1
A2065	Coat Rack/Plant Rack	4	3	2	1
A2066	Wooden Gun Rack - Beginner	4	3	2	1
A2067	Lawn Chair - Beginner	4	3	2	1
A2068	Napkin Holder	4	3	2	1
A2069	Wall Decoration - Beginner	4	3	2	1
A2070	Wood Clipboard	4	3	2	1
A2071	Wooden Picture Frame/Plaque	4	3	2	1

#### Refinished, Restored, & Rebuilt Tractors & Lawn/Farm Equipment

A2100	Restored Tractor with Story Board	180	135	90	45
A2101	Refinished Tractor	110	90	70	50
A2102	Rebuilt Garden Tractor	32	24	16	8
A2103	Restored Implement	12	9	6	3

#### SPECIALS

1. **MFA Incorporated** will award an attractive FFA plaque to the chapter having the most outstanding Agricultural Mechanics exhibit.

#### FFA FIELD CROPS, HORTICULTURE, FRUIT & VEGETABLES REGULATIONS

1. Field Crop-Horticulture exhibits must be in place by 6:00 p.m. on Tuesday, August 7th.
2. All entries must have been grown by the exhibitor as a part of his or her supervised occupational experience program. All samples must have been produced during the year specified for the class. The exhibitor shall be keeping records of such entries in the approved Missouri Farm Business Record Book, reporting such enterprises on the departmental VA-3 (Report of the Students SAE Program) and have on file validating forms with the school's departmental records.
3. Only exhibits of high quality and purity will be judged as eligible for premiums.
4. Grain and seed samples will be displayed in containers furnished by the FFA department at the Fair. There must be exactly two quarts in each sample. Samples of incorrect size will be disqualified.
5. Each sample must contain a label showing exhibitor's name, chapter, kind of crop, variety, and class number entered in. These will be provided when entering the exhibits at the Fair. Schools with a large number of field crop entries may request cards be sent to them before Fair time by contacting Steven Rogers at the state MVATA Conference in July. Guidelines for sample size of forage entries will be provided to all FFA Advisors at MVATA summer conference.
6. Clipped oats and barley will be excluded from the competition.
7. Each ear of corn must be in its natural condition and not more than one percent of its grain missing.
8. Each exhibitor is limited to one entry in each class of all the Field Crops classes. Exhibitors are limited to a total of ten entries in each of the Horticulture and Fruits and Vegetables divisions. Exhibitors are limited to

three entries per class in the Fruits and Vegetables classes. The entries must be of a different variety. For example, separate plates of Concord, Niagara, Seyval, and Vidal grapes may be entered by one exhibitor in the Plate of Grapes class.

9. The Floriculture and Fruit/Vegetable Superintendents have the right to disqualify entries which show extreme signs of wilting when the exhibits are judged Thursday morning. Wilting entries will be discarded.
10. Point values are: Gold-12 points; Silver-8 points; and Bronze-4 points: except for corsages, bud vases and boutonnieres: Gold-3 points; Silver-2 points; Bronze-1 points.
11. Premiums paid per point will not be determined until the number of entries is known after the Fair begins.
12. All Field Crop, Floriculture and Fruit/Vegetable exhibits are released at 6:00 p.m. on Sunday, August 19. Exhibits not removed from the fairgrounds by 10:00 a.m. on Monday, August 20 will be discarded. Horticulture exhibits that deteriorate out of condition before the end of the Fair will be discarded.

#### FIELD CROPS CLASSES Class Description - Grain and Seed

Class No.	Class	Purple	Gold	Silver	Bronze
201	Corn, yellow shelled, 1 quart (2017 crop)		12	8	4
202	Corn, white shelled, 1 quart (2017 crop)		12	8	4
	Grand & Reserve Champion Corn				
	Grain or Seed	16			
210	Soybeans, 1 quart (2017 crop)		12	8	4
211	Sunflower, non-ornamental (2017 or 2018 crop)		12	8	4
	Grand & Reserve Champion Soybeans				
	Grain or Seed	16			
220	Grain Sorghum, 1 quart (2017 crop)		12	8	4
221	Forage Sorghum, 1 quart (2017 crop)		12	8	4
222	Sudangrass, 1 quart (2017 crop)		12	8	4
	Grand & Reserve Champion Grain Sorghum				
	Grain or Seed	16			
230	Oats, 1 quart (2017 crop or 2018 crop)		12	8	4
231	Rye, 1 quart (2017 crop)		12	8	4
232	Wheat, 1 quart (2017 crop or 2018 crop)		12	8	4
233	Winter Barley, 1 quart (2017 crop)		12	8	4
	Grand & Reserve Champion Cereal				
	Grain or Seed	16			
240	Birdsfoot Trefoil, 1 quart (2017 crop)		12	8	4
241	Lespedeza, 1 quart (2017 or 2018 crop)		12	8	4
242	Red Clover, 1 quart (2017 or 2018 crop)		12	8	4
243	Sweet Clover, 1 quart (2017 or 2018 crop)		12	8	4
244	Alfalfa, 1 quart (2017 or 2018 crop)		12	8	4
	Grand & Reserve Champion Forage Legume				
	Grain or Seed	16			
250	Bromegrass, 1 quart (2017 or 2018 crop)		12	8	4
251	Orchardgrass, 1 quart (2017 or 2018 crop)		12	8	4
252	Red Top, 1 quart (2017 or 2018 crop)		12	8	4
253	Reed Canary Grass, 1 quart (2017 crop)		12	8	4
254	Tall Fescue, 1 quart (2017 or 2018 crop)		12	8	4
255	Timothy, 1 quart (2017 or 2018 crop)		12	8	4
	Grand & Reserve Champion Forage Grass				
	Grain or Seed	16			
260	Warm Season Grasses, 1 quart (2017 or 2018 crop)		12	8	4
	Grand & Reserve Champion Warm Season Grasses				
	Grain or Seed	16			
289	Miscellaneous Grain & Seed (Must not fit another category. Only 1 miscellaneous entry per exhibitor.)		12	8	4
	Grand & Reserve Champion Miscellaneous				
	Grain or Seed	16			
	<b>Plants</b>				
300	Cornstalks, bundle of 3 stalks (2018 crop)		12	8	4
	Grand & Reserve Champion Cornstalks				
	Grain or Seed	16			
310	Soybean Plants, bundle of 3 stalks, roots off (2018 crop)		12	8	4
	Grand & Reserve Champion Cornstalks				
	Grain or Seed	16			
320	Tobacco, 1 stalk (2018 crop)		12	8	4
	Grand & Reserve Champion Tobacco				
	Grain or Seed	16			
330	Grain or Forage Sorghum, 3 heads (2018 crop)		12	8	4
331	Millett, 1 bundle (2018 crop)		12	8	4
332	Sudangrass, 1 bundle (2018 crop)		12	8	4
	Grand & Reserve Champion Sorghum/Sudan/Millett				
	Grain or Seed	16			
340	Alfalfa, 1 bundle (2018 crop)		12	8	4
	Grand & Reserve Champion Alfalfa				
	Grain or Seed	16			
341	Birdsfoot Trefoil, 1 bundle (2018 crop)		12	8	4
342	Lespedeza, 1 bundle (2018 crop)		12	8	4
343	Red Clover, 1 bundle (2018 crop)		12	8	4
344	Sweet Clover, 1 bundle (2018 crop)		12	8	4
	Grand & Reserve Champion Forage Legumes				
	Grain or Seed	16			
350	Big Blue Stem, 1 bundle (2018 crop)		12	8	4
351	Bromegrass, 1 bundle (2018 crop)		12	8	4
352	Fescue, 1 bundle (2018 crop)		12	8	4

353	Indian Grass, 1 bundle (2018 crop)	12	8	4
354	Orchardgrass, 1 bundle (2018 crop)	12	8	4
355	Red Top, 1 bundle (2018 crop)	12	8	4
356	Switch Grass, 1 bundle (2018 crop)	12	8	4
357	Timothy, 1 bundle (2018 crop)	12	8	4
	Grand & Reserve Champion Forage Grasses	16		
360	Ornamental Sunflower, 2 plants (2018 crop)	12	8	4
361	Field Sunflower, 2 plants (2018 crop)	12	8	4
	Grand & Reserve Champion Sunflower Plants	16		
370	Cotton, 1 stalk, defoliated (2018 crop)	12	8	4
	Grand & Reserve Champion Cotton Plants	16		
380	Miscellaneous Plants (must not fit another category. Only 1 miscellaneous entry per exhibitor.)	12	8	4
	Grand & Reserve Champion Miscellaneous Plant	16		
<b>Baled Hay - 4 inch Blocks - Must be tied with twine in a crisscross manner.</b>				
400	Alfalfa Hay (2018 crop)	12	8	4
	Grand & Reserve Champion Alfalfa Hay	16		
401	Lespedeza Hay (2018 crop)	12	8	4
402	Red Clover Hay (2018 crop)	12	8	4
403	Other Legume Hay (2018 crop)	12	8	4
	Grand & Reserve Champion Legume Hay	16		
410	Grass Hay (2018 crop)	12	8	4
411	Mixed Grass and Legume Hay (2018 crop)	12	8	4
	Grand & Reserve Champion Mixed Grass & Legume Hay	16		
412	Warm Season Grass Hay (2018 crop)	12	8	4
	Grand & Reserve Champion Grass Hay	16		
420	Grain Hay (2018 crop)	12	8	4
429	Miscellaneous Hay (2018 crop) (Must not fit another category. Only 1 miscellaneous entry per exhibitor.)	12	8	4
	Grand & Reserve Champion Miscellaneous Hay	16		

**FLORICULTURE CLASSES****Corsages/Boutonnieres**

500	Fresh Corsage	5	3	2
501	Silk-Dried Corsage	5	3	2
	Grand & Reserve Champion Corsage	15		
502	Fresh Boutonniere	3	2	1
503	Silk-Dried Boutonniere	3	2	1
	Champion & Reserve Champion Boutonnieres	15		

**Planters**

510	Dish Garden Planter	9	6	3
511	Terrarium Planter	9	6	3
512	Flower Box Planter	12	8	4
	Champion & Reserve Champion Planters	15		

**Bridal Bouquets**

520	Fresh Bridal Bouquet	9	6	3
521	Silk Bridal Bouquet	9	6	3
	Champion & Reserve Champion Bridal Bouquets	15		

**Bud Vases**

530	Fresh Bud Vase	6	4	2
531	Silk-Dried Bud Vase	6	4	2
	Grand & Reserve Champion Bud Vase	15		

**Centerpiece**

540	Fresh Centerpiece	9	6	3
541	Podium or Church Centerpiece	9	6	3
542	Silk-Dried Centerpiece	9	6	3
	Champion & Reserve Champion Centerpiece	15		

**Seasonal Arrangement or Wall Hanging**

545	Wreaths	9	6	3
546	Wall hangings	9	6	3
	Grand & Reserve Champion Wreaths/ Wall Hangings	15		
550	Fresh Seasonal Arrangement	9	6	3
551	Silk-Dried Seasonal Arrangement	9	6	3
552	FFA Arrangement	9	6	3
	Champion & Reserve Champion Seasonal Arrangement	15		

**Garden Flowers**

560	5 Gladiolus	9	6	3
561	5 Marigolds	9	6	3
562	5 Perennials	9	6	3
563	5 Roses	9	6	3
564	5 Zinnias	9	6	3
565	Blazing Star	9	6	3
566	Carnation	9	6	3

567	Cockscomb/Celosia	9	6	3
568	Snap Dragon	9	6	3
569	Statice	9	6	3
570	Stock	9	6	3
571	Transvall Daisy	9	6	3
579	Miscellaneous Garden Flower (must not fit another category. Only 1 miscellaneous entry per exhibitor.)	9	6	3
	Champion & Reserve Champion Garden Flowers	15		

**Perennials**

580	Ajuga	9	6	3
581	Astibe	9	6	3
583	English Ivy - Hedri	9	6	3
584	Gaillardia	9	6	3
586	Hosta Lily	9	6	3
587	Kalanchoe	9	6	3
588	Mum	9	6	3
590	Periwinkle	9	6	3
599	Miscellaneous Perennial (must not fit another category. Only 1 miscellaneous entry per exhibitor.)	9	6	3
	Champion & Reserve Champion Perennials	15		

**House Plants**

600	"Decora" Rubber Plant	9	6	3
601	African Violet	9	6	3
602	Aglaonema (Chinese Evergreen)	9	6	3
603	Airplane Plant/Spider Plant	9	6	3
604	Aluminum Plant	9	6	3
605	Benjamin (Weeping) Fig	9	6	3
606	Boston Fern	9	6	3
607	Bromeliad	9	6	3
608	Caladium	9	6	3
609	Corn Plant Dracena	9	6	3
610	Croton	9	6	3
611	Cutleaf Philodendron	9	6	3
612	Dwarf Schefflera	9	6	3
613	Emerald Ripple Peperomia	9	6	3
614	English Ivy	9	6	3
615	Fuchsia	9	6	3
616	Golden Barrel Cactus	9	6	3
617	Golden Pothos, Devils Ivy	9	6	3
618	Grape Ivy	9	6	3
619	Heartleaf Philodendron	9	6	3
620	Ivy Geranium	9	6	3
621	Jade Plant	9	6	3
622	Medicine Plant	9	6	3
623	Nephthytis (Arrowhead)	9	6	3
624	Norfolk Island Plant	9	6	3
625	Parlor Palm	9	6	3
626	Peace Lily	9	6	3
627	Prayer Plant	9	6	3
628	Purple Passion	9	6	3
629	Red Edge Dracaena	9	6	3
630	Sanserveria (Snake Plant)	9	6	3
631	Schefflera	9	6	3
632	Sprengeri "Fern"	9	6	3
633	Spotted Dumbcane	9	6	3
634	Strawberry Begonia	9	6	3
635	Succulents	9	6	3
636	Swedish Ivy	9	6	3
637	Tricolor Bromeliad	9	6	3
638	Variegated Peperomia	9	6	3
639	Wandering Jew	9	6	3
640	Watermelon Peperomia	9	6	3
641	Wax Plant	9	6	3
643	Miscellaneous House Plant (must not fit another category. Only 1 miscellaneous entry per exhibitor.)	9	6	3
	Champion & Reserve Champion House Plant	15		

**Bedding Plants**

650	Celosia	9	6	3
651	Coleus	9	6	3
652	Dusty Miller	9	6	3
653	Geranium	9	6	3
654	Impatiens (Sutana)	9	6	3
655	Marigold	9	6	3
657	Periwinkle	9	6	3
658	Petunia	9	6	3
659	Rose Moss	9	6	3
660	Salvia	9	6	3
661	Tuberus Begonia	9	6	3
662	Wax Begonia	9	6	3
663	Zinnia	9	6	3
669	Miscellaneous Bedding Plants (must not			

fit another category. Only 1 miscellaneous entry per exhibitor) 9 6 3

Champion & Reserve Bedding Plants 15

### FRUITS AND VEGETABLES

All exhibitors may enter up to three entries per class in the Fruits and Vegetables, if the duplicate entries are specifically different in variety than the student's other entries in that class; for example, red tomatoes, yellow tomatoes or pink tomatoes. Cherry tomatoes have a class of their own. Regular pumpkins and mini pumpkins are divided. Bell peppers and hot peppers are divided as well. NOTE: all peppers that are not Bell are considered "hot" peppers and show in the same class. Each exhibitor is limited to **TEN** total entries in the Fruit and Vegetable division. Only fruits/vegetables that do not have a class may be entered in the Misc. classes. Variety name must be entered on the entry card.

#### Canned Food Guidelines:

- Jars used for canning must be standard colorless glass jars, sealed with two-piece lacquer lids. Jars with zinc lids will not be accepted. Jellies must be in standard jelly jars. No jelly sealed with paraffin wax will be accepted.
- Each entry must have a plain white label stating: product - specify name of canned food; date - month and year processed (all products must be less than 1 year since process date); method - specify either boiling water bath or pressure canned with pounds of pressure noted; and time processed - note the time in minutes. Please do not include your name on canning labels.
- All canned products and jellies must have tags attached with string.
- Food Preservation will not be opened.
- Recipes need not accompany classes.
- Canned goods will be displayed in regulation jars with rings left on.
- Any sign of spoilage, unsealed jars or alteration from recommended procedures will be basis for disqualification.

Class No.	Class	Purple	Gold	Silver	Bronze
700	4 Apples		9	6	3
710	4 Peaches		9	6	3
720	4 Pears		9	6	3
	Champion & Reserve Tree Fruit	15			
730	Plate of 15 Green Beans		9	6	3
	Champion & Reserve Green Beans	15			
740	4 Bell Peppers		9	6	3
	Champion & Reserve Bell Peppers	15			
741	4 Hot Peppers/Other Peppers		9	6	3
	Grand & Reserve Champion Hot Peppers	15			
750	8 Cherry Tomatoes		9	6	3
	Grand & Reserve Champion Cherry Tomatoes	15			
760	3 Tomatoes		9	6	3
	Champion & Reserve Tomatoes	15			
770	1 Cantaloupe		9	6	3
	Grand & Reserve Champion Cantaloupe	15			
780	1 Watermelon		9	6	3
	Champion & Reserve Watermelon	15			
790	3 Cucumbers		9	6	3
	Champion & Reserve Cucumbers	15			
800	3 Summer Squash		9	6	3
	Grand & Reserve Champion Summer Squash	15			
810	1 Winter Squash		9	6	3
	Grand & Reserve Champion Winter Squash	15			
820	3 Gourds		9	6	3
	Champion & Reserve Squash/Gourds	15			
830	1 Pumpkin		9	6	3
	Grand & Reserve Champion Pumpkin	15			
840	3 Miniature Pumpkins				
	Champion & Reserve Miniature Pumpkin	15			
850	1 Quart Jar of Honey		9	6	3
	Champion & Reserve Honey	15			
860	3 Beets		9	6	3
870	5 Carrots		9	6	3
	Champion & Reserve Beets/Carrots	15			
880	1 Pint of Blackberries		9	6	3
	Champion & Reserve Blackberries	15			
890	1 Head of Cabbage		9	6	3
	Champion & Reserve Cabbage	15			
900	3 Ears of Sweet Corn (Husk On)		9	6	3
910	3 Ears of Popcorn (Husk On)		9	6	3
	Champion & Reserve Popcorn/Corn	15			
920	3 Eggplants		9	6	3
930	5 Okra		9	6	3
	Champion & Reserve Eggplants/Okra	15			
940	Bundle of Herbs, 1 1/2 inch in diameter (Fresh or Dried)		9	6	3
	Champion & Reserve Bundle of Herbs	15			
950	3 Onions		9	6	3
	Champion & Reserve Onions	15			

960	3 Potatoes		9	6	3
	Champion & Reserve Potato	15			
970	Plate of Grapes		9	6	3
	Champion & Reserve Grapes	15			
980	Miscellaneous Fruit/Vegetables (must not fit another category. Only 1 miscellaneous entry per exhibitor).		9	6	3
	Champion & Reserve Miscellaneous Fruit/Vegetable	15			
990	Canned Fruit/Vegetable Item		9	6	3
	Champion & Reserve Canned Fruit/Vegetable	15			

**EXHIBITING FRUITS AND VEGETABLES:** UMC Extension Publication G6230, by UMC Horticulture Specialist Denny Schrock, serves as a reference for judging the Fruit and Vegetable exhibits. This publication can be found at <http://muextension.missouri.edu/xplor/agguides/hort/indes.htm> or your local University Extension Center.

#### FFA Floriculture and Fruits & Vegetables Specials

**MFA Incorporated** will award an attractive FFA plaque to the chapters having the most points in the FFA Horticulture and FFA Fruit and Vegetables division.

#### FFA HAM & BACON SHOW

- Hams and Bacons should be entered in the Agriculture Building on the fairgrounds according to all Open Youth Ham & Bacon Show rules found in the Hams, Bacon, and Summer Sausage section of the 2018 Missouri State Fair premium guide.
- When entering the Open Youth Ham or Bacon Show, exhibitors must designate the ham(s) or bacon(s) as an FFA Ham or Bacon Show entry(s). After judging, a list of FFA hams and bacons with ribbon(s) earned will be forwarded to the FFA office.
- Hams and bacons will be judged on a point system to determine rank. The official judge(s) will break the rankings into gold, silver, bronze or disqualified.
- Ribbon point values are Gold - 12 pts., Silver - 8 pts., Bronze - 4 pts., and disqualified - 0 pts.
- All FFA Ham and Bacon Show participants are encouraged to attend the Missouri Country-Cured Ham and Agri-Missouri products breakfast at the State Fair.

For **MISSOURI STATE FAIR SCHOLARSHIP** information, please refer to the Sale of Champions section of this catalog.