



Arkansas State Fair 2024 Agricultural Mechanics Show

Committee Chairman: Jacob Marek



Participants are expected to have a fair gate pass or exhibitor armband to enter the fair. Entries will be accepted in the Rabbit barn beginning Monday, October 14th from 10:00 am-2:00 pm and Tues, October 15th from 9:00 am until Noon! All entries must be in place by noon on Oct 15th. Judging will take place on Tuesday, October 15th at 4:00 pm.

Sponsored by Pinnacle Structures Inc of Cabot, AR

Agricultural Mechanics Show General Rules

Eligibility: Arkansas 4-H and FFA members only.

The projects must have been constructed by 4-H and FFA members.

1. A Project that does not fit into one of the stated classes will be considered ineligible and will not be eligible for judging.
2. Projects may have been constructed by an individual or a group and may be individually or chapter-owned. All projects must be entered in the names of the exhibitors who participated in the planning and construction of the project.
3. Each exhibitor may enter six individual projects; no more than one per division. Each group of students may enter six group projects; no more than one entry per division.
4. Exhibitors may not enter both a group and an individual project per division; if a team project is entered, all individuals on the team would be the maxed for the division. Example: If a student is on a team with their club, they cannot enter an additional entry in the same division as their team entry. If a club has a team in the division and another individual who is not on the team would like to enter into the same division, they can.
5. A group of exhibitors shall not exceed four students showing the project for a team.
6. Substitution of projects will not be allowed.
7. Exhibitors should be dressed appropriately and remain with their project during judging, official FFA or 4-H show attire is required, see general rules.

Loss or Damage: Every precaution will be taken to protect the projects entered; however, neither the Arkansas State Fair, it's staff, directors, superintendents nor judges will be responsible for any loss or damage to projects.

Entries: The entry fee is \$40.

Entries must be made online through the google forms link below and are due by Oct 2.

Showmanship

1. Exhibitors should be courteous and helpful to those viewing their project, including those exhibiting next to them. Exhibitors should not interfere with or shield those who are exhibiting next to them.
2. Exhibitors should be prepared to answer questions when their project is being judged. Knowledge of the project will be evaluated at that time. Exhibitors should be well informed on the project they are representing.

3. Exhibitors should make available any equipment that may be necessary to evaluate their project (flashlights, mat or creeper, square, tape, multi-meter, etc.). Exhibitors may be requested to hold measuring tape and assist the judge in making measurements on projects.
4. Teams should indicate to the judges which team member served as lead engineer and welder to better present information to the judges. All team members may present, but it is the responsibility of the team to clarify which team members worked on specific areas of the project.
5. All projects should be complete including finish. Any item, necessary for use of the project, must be a part of it (example: hinges and latches on gates and panels, lift pins, hydraulic hoses on tractor equipment, etc.), including documentation.
6. All projects must be painted or properly treated and must be clean and in a presentable condition, even though they may have been used. No touch up painting of ANY type will be allowed inside the exhibit area.
7. Electricity WILL be available for computers or other electronic devices, but may be limited.
8. Documentation of Project:
 - a. Portfolio: The original (exhibitor drawn) plan or drawing, a bill of materials and photographs showing all phases of construction/restoration should be bound together via binder or folder. You may include an additional cover page but not required, and should also include a marketing flyer. Exhibitors may use their discretion on this part of the documentation but all of the above must be included. Use the checklist below:
 - b. Exhibitor-Drawn Plan
 - c. Bill of Materials
 - d. Up to 20 photographs of project construction
 - e. Marketing Flyer (Details Below): Each team will develop an 8.5" by 11" one-sided flyer promoting and detailing the product. The flyer should be designed to be utilized as an advertisement and overview of the product to be shared with customers. Please attach the hard copy to the back of the documentation portfolio

Safety on the Fairgrounds:

- a. General Safety – Appropriate and safe display stands must be provided for gates, panels and other projects that need support. Sharp edges and points, such as found on self-feeder roofs, bale movers, etc. are to be padded or covered as necessary to prevent injury. Flammable and/or combustible liquids shall not be used, stored or sprayed inside any building or barn at any time. This shall include, but not limited to, enamel paints, thinners, reducers, gasoline or any other petroleum-based liquids. All liquids must be in properly labeled original containers. All compressed gas cylinders shall be properly secured. Hand wheels are to be removed. Protective caps installed and taped. No regulators or hoses are to be installed at any time.
- b. Trailer Safety – All trailers and other equipment to be operated and/or transported on public roads are to be equipped with safety equipment specified in Arkansas Statutes. All towed equipment, regardless of standards, is to be equipped with safety chains. All three-point hitch and power take off (PTO) operated equipment are to meet current ASABE Safety and dimension standards.
- c. Electrical Safety – All 120 VAC and higher electrical plugs and receptacles must be grounded. Ground Fault Circuit Interrupters (GFCI) shall be required for all 120 VAC receptacles. All electrical connections are to be protected in appropriate indoor or outdoor rated enclosures.
- d. Projects with Engines – There is to be no more than five (5) gallons of fuel in any fuel tank. Fuel cap taped closed and secure against tampering. Disconnect all batteries. No vehicle and/or equipment refueling inside any building or barn.

Criteria Points:

Workmanship (including finish)	30
Design and Materials Used (including practicality)	20
Documentation	30
Degree of Difficulty	30
Presentation & Knowledge of Project (response to questions)	30
Safety	10
	Total: 150 points

Failure to provide all required documentation and information will result in docked points.

Ag Mechanics Classification Divisions**Division 1: Agriculture Machinery & Equipment**

1. Tractor Mounted and/or Pulled Equipment
2. Shop Tables
3. Other Shop Equipment
4. Truck and/or Tractor Accessories

Division 2: Livestock Equipment

5. Gates, Panels, etc.
6. Chutes and Head Gates (all types - squeeze chutes, trim chutes, loading chutes, etc.)
7. Other Livestock Handling Equipment (blocking tables, hoof trimming tables, crates, etc.)
8. Livestock Feeding/Watering Equipment (creep feeders, hay feeders, mineral feeders, combo feeders, etc.)

Division 3: Outdoor Recreation & Convenience

9. Stationary Smokers
10. Fryers, Fire Pits, etc.
11. Trailer Mounted Cookers (Trailer must meet ARDOT regulations)
12. Other Yard Conveniences (firewood racks, picnic tables, porch swings, lawn chairs) (No indoor furniture items)

Division 4: Wildlife Equipment

13. Feeding/Watering Equipment
14. Traps and Capture Devices
15. Stands, Blinds, Observation Towers, Other Wildlife Equipment (drop chutes, working boxes, etc.)

Division 5: Trailers

16. Single Axle Bumper Pull Utility Trailers (all lengths)
17. Multi Axle Bumper Pull Utility Trailers (all lengths)
18. Stock Trailers-Bumper Pull and Gooseneck (all lengths)
19. Gooseneck Lowboys and Flatbeds (all lengths)
20. Other Trailers (Multi-bale, welding, tilt bed hydraulic dump, cargo etc.)

Division 6: Decorative

21. Small Decorative Pieces (Under 24 sq. inches)
22. Medium Decorative Pieces (Between 24 and 48 sq. inches)
23. Large Decorative Pieces (Over 48 sq. inches)

Superintendent's will have final say in classification and may designate projects for a different division, other than the one entered.