



**71<sup>ST</sup> ANNUAL**

# **ANGELINA COUNTY FAIR**

## **AG Mechanics Division**



# **March 23-28, 2020**

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**The official Rules Catalog can be found on the following web page.**

[www.AngelinaCountyFair.com](http://www.AngelinaCountyFair.com)

The distributed book was revised September 11, 2019

**AG MECHANICS sponsored by HAMMER EQUIPMENT**

Ag Mech Superintendent – Keith Spencer -

Online Entry and payment Deadline: On or before January 24th.  
Late entries accepted until January 29th with \$20 per entry late fee applied

### **Purpose of the Agricultural Mechanics Project Show**

1. To provide an opportunity for 4- H and FFA members to display projects constructed in agricultural mechanics labs.
2. To promote the development of skills in agricultural mechanics through competition.
3. To recognize individual and group accomplishments in the area of agricultural mechanics.
4. To provide an opportunity for public appreciation of this important phase of 4- H and FFA Youth Programs.

### **Special Rules for Agricultural Mechanics Project Show**

1. **Eligible Entries:** Entries in this division are limited to Angelina County FFA and 4- H members. Projects exhibited must have been constructed by FFA and 4- H members, either as a part of their agricultural mechanics instruction in agricultural science or as a part of their supervised work experience program. Entries entered in the Ag Mech division cannot be entered in the Arts & Crafts division.
2. **Ownership:** Projects may have been individually, or group constructed and may be individually or chapter owned.
3. **Club Entries:** Entries made in the name of FFA Chapters or 4- H Clubs are not eligible. All projects must be entered in the names of the exhibitors who participated in planning and construction of the project.
4. **Ineligible Projects:** Any project that does not fit into one of the stated classes will be disqualified by the superintendent.
5. **Construction Date:** Projects must have been constructed within one calendar year of the exhibition date.
6. **Project Presentation:** All projects must be painted or properly treated and must be clean and in a presentable condition even though they may have been used. Trailers and all other equipment are to be displayed in transport position. Ramps, extension and operation of specific features may be demonstrated only as directed by the official judges and as space permits.
7. **Documentation:** An original (exhibitor produced) plan or drawing, a bill of materials, and photographs showing phases of construction are to be provided with all projects. Display of plans, photos, etc. must be done in such a manner that no additional floor space is required. Stands, podiums, computers, etc. will be permitted only when they can be positioned on or under the project.
8. **Project 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. All trailers and other equipment that will be operated and/ or transported on public roads are to be equipped with the safety equipment specified in Title 7, Vehicles and Traffic Transportation Code of Texas Statutes. All towed equipment, regardless of standards, is to be equipped with safety chains. All three- point hitch and P. T. O. operated equipment is to meet current ASAE standards and specifications.
9. **Electrical Safety:** All 120 VAC and higher electrical plugs and receptacles are to be the equipment grounding type. All metal components are to be grounded. Ground fault circuit interrupters (GFIC) shall be provided for all 120 VAC receptacles. All 50 VAC and higher connections are to be protected in appropriate indoor or outdoor rated enclosures.
10. **Projects with Engines:** There is to be no more than two gallons of fuel in any fuel tank. The fuel tank cap is to be in place and sealed with tape. The battery is to be disconnected. This applies to all engines in the exhibit area.
11. **Vehicles:** Tractors, trucks, or other vehicles (including non- entered trailers) are not allowed in the exhibit area as part of the display. Projects that cannot be reasonably unloaded and placed in the exhibit area, may be left on transport trailers or vehicles and located as close to the exhibit area as possible.
12. **Signs:** All projects are to be identified with standard club exhibitor cards. Exhibit cards and project judging cards should be attached in a visible location on the front of the project with clear carton sealing tape.
13. **Judging System:** The Danish System will be used in judging all projects. Projects will be judged on:

Criteria.....	Points
Workmanship.....	30
Design and Materials Used.....	20
Practicality.....	20
Degree of Difficulty.....	10
Finish.....	10
Plans, Bill of Materials, Photos.....	10

Blue Ribbon 90- 100 Points / Red Ribbon 80- 89 Points / White Ribbon 70- 79 points
14. **Entry Fees:** An entry fee of \$10.00 will be required. Online Entry and payment: On or before the January 24th. Entries accepted until January 29th with \$20 per entry late fee applied

## Judging criteria for Tractor Restoration projects:

- **Aesthetics: 20 Points.** Overall appearance of tractor, including workmanship and finish. Items that will be considered include, but are not limited to the following:
  - Metal preparation prior to painting
  - Completeness of all sheet metal
  - Painting and finish
  - Detail and completeness of components – steering wheels, seats, decals, instrument panels, wiring harness, etc.
- **Authentic: 10 Points.** Must be as original as possible. To include:
  - Paint color, fasteners, and other components such as magnetos, carburetors, exhaust systems
  - Mechanical systems, fuel, electrical, engine, transmission, final drive, cooling, etc.
  - Serial plates in place with unaltered serial numbers.
- **Mechanical: 40 Points.** To include the mechanical restoration of all systems including; (Some tractors may not have all systems.)
  - Engine, transmission, final drive
  - Fuel, cooling, ignition, lighting, exhaust, charging, starting, hydraulic and steering systems
  - Exhibitors may be asked to start the tractor and drive it, demonstrating all systems (hydraulics, lights, brakes, etc.)
- **Safety Equipment: 5 Points.** All equipment that was original to the tractor should be in place (includes all shields and decals.) Tractor must be in safe operating condition. To exhibit a tractor, the following safety considerations must be followed:
  - No more than 5 gallons of fuel in the fuel tank.
  - Neat and functional drip pans to collect any coolant, oil, or hydraulics that may drip from the tractor.
  - Fuel shut off valves, under all fuel tanks, must be functional and all tractors must be exhibited with these valves off.
  - Tractors may be started anytime at the request of show officials.
- **Documentation: 15 Points.** Documentation must be typed (recommend word processor or spreadsheet) and include the following: (The National FFA Tractor Restoration Competition documentation format may be used.)
  - A one-page description of the overall restoration project
  - An expense report identifying all costs involved in the restoration
  - Photos (before, during, after) -- Safe working environments should be depicted in all photos
  - A mechanic's report detailing all mechanical work performed
  - All documentation is to be arranged in a three-ring notebook, divided and sequenced with a table of contents and page numbers.
- **Oral Review: 10 Points.** Judges will ask questions to determine the exhibitor/exhibitor's knowledge of and involvement in the restoration.

### Divisions:

#### **AGRICULTURAL MACHINERY AND EQUIPMENT**

Hay handling equipment  
Spraying equipment  
Mounted and pull- type tractor equipment  
Hydraulic equipment  
Shop equipment  
Truck, tractor and agriculture equipment accessories

#### **LIVESTOCK & POULTRY EQUIPMENT**

Gates and livestock panels  
Squeeze chutes and restraining equipment  
Trim chutes, blocking stands, livestock crates, and head gates  
Feeders  
Self-feeders and creep feeders  
Chicken coop  
Cages and nesting boxes

#### **TRACTOR RESTORATION**

No yard tractors or riding lawnmowers.  
Tractor Serial Number must be included with Description on Entry Form

## **TRAILER**

Utility trailers

Non- traditional utility and implement trailers

Multi- bale trailers

Gooseneck lowboy utility and implement trailers

Gooseneck flatbed utility and implement trailers

Gooseneck stock trailers

Other trailers (welder trailers, dump trailers, special purpose, etc.)

## **HOME AND RECREATIONAL USE**

Bar- B- Q pits

Picnic tables

Greenhouses

Birdhouses

Arts and Crafts

Other recreational and/ or convenience- type projects

\*\*\*JUDGING RUBRIC COMING SOON\*\*\*

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