



TEXAS M.A.D.E.

Promoting Mechanics, Agriculture, Development & Education through youth scholarship.

SUNDAY
JAN. 19
8 AM

MORE THAN \$283,000 IN SCHOLARSHIPS AWARDED TO DATE!

Scholarship competition open to all 2020 Southwestern Exposition and Livestock Show Junior Agricultural Mechanics Project exhibitors that are currently enrolled in their Senior year of high school and have shown two years in our Junior Agricultural Mechanics Project Show, including the 2020 Show.

Texas M.A.D.E. will consist of two competitions:

- Written Test
- Verbal Presentation

Winners announced during Junior Ag. Mechanics Awards presentation, Sun., Jan. 19, 2 p.m.

FOR MORE INFO: 817-877-2400 OR FWSSR.COM



2020 AG MECHANICS REWARDS BONUS

Payout schedule for each division:

Champion = \$1,500

Reserve Champion = \$750

1st Place = \$150

2nd Place = \$80

3rd Place = \$50

Priefert[®]
Rodeo & Ranch Equipment

**FORT WORTH
STOCK SHOW
& RODEO**
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TOTAL PAYOUT \$20,000

DEPARTMENT 58

**JUNIOR AGRICULTURAL MECHANICS
PROJECT SHOW**

SUPERINTENDENTS

Wayne Atchley, Stephenville, Texas	Buzz Gardner, Roanoke, Texas
Michelle Damerau, Dublin, Texas	Jimmy Hamilton, Anna, Texas
Matt Daniell, Fort Worth, Texas	David Lyons, Haslet, Texas
Jay Ewing, Azle, Texas	Kara McDaniel, Frisco, Texas
Dr. Ted Ford, Stephenville, Texas	Daryl Shelton, Fort Worth, Texas
Dr. Rudy Tarpley, Stephenville, Texas	

ARRIVAL: 8 a.m. - Noon, Jan. 17
 SHOW: 8 a.m., Jan. 18
 AWARDS: 2 p.m., Jan. 19
 RELEASE: 7 a.m., Jan. 20

\$13,370.00 IN PREMIUMS

Southwestern Exposition and Livestock Show \$13,370.00

ENTRIES CLOSE NOVEMBER 15

SPECIAL RULES

The purpose of this show is to provide an opportunity for Texas 4-H and FFA members to display projects constructed in agricultural mechanics labs, to promote the development of skills in agricultural mechanics through competition, to recognize accomplishments in the area of agricultural mechanics and to provide an opportunity for public appreciation of this important phase of Texas 4-H and FFA Youth Programs.

All entries in this Junior Agricultural Mechanics Project Show will be subject to the General Rules and Regulations and Special Rules of the Junior Livestock Show Department published in this 2020 Premium List and in addition, the following special rules.

1. **Eligibility.** Entries in this show are limited to Texas 4-H and FFA members. Entries must be submitted on an official Southwestern Exposition and Livestock Show 2020 Junior Agricultural Mechanics Project Entry Application sent in by the AST or CEA. Projects exhibited must have been constructed by Texas 4-H or FFA members under direct supervision of the CEA or AST.

a. A project may only be exhibited one (1) time at the Southwestern Exposition and Livestock Show. Only projects started on or after April 1, 2019 are eligible for exhibition.

b. Any project that does not fit into one (1) of the stated classes will be deemed ineligible and disqualified by Show officials.

2. **Loss or Damage.** Every precaution will be taken to protect the projects entered; however, neither the Southwestern Exposition and Livestock Show, its officers, directors, superintendents nor judges of this Department will be responsible for any loss or damage to projects.

3. **Entries.** 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.

a. Each exhibitor may enter two (2) individual projects; no more than one (1) per class. Each group of students may enter two (2) group projects; no more than one (1) entry per class.

b. No exhibitor may enter more than four (4) projects total, including group projects.

c. A group of exhibitors shall not exceed four (4) students showing the project.

d. Substitution of projects will not be allowed.

e. Exhibit space and location will be at the Superintendents' discretion.

4. **Offloading Assistance.** If the Superintendents determine the project cannot be unloaded safely, the Southwestern Exposition and Livestock Show will provide assistance.

5. **Showmanship.**
 - a. Exhibitors should be dressed appropriately and remain with their project during judging.
 - b. 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.
 - c. 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, but should not be boisterous or argumentative.
 - d. 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.
 - e. Anonymous judges will select showmanship winners.

AG MECHANICS PROJECTS

- **Presentation.**
 - a. 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.
 - b. 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.
 - c. Due to limited exhibit space, trailers and other equipment are to be displayed in transport position. Operation of ramps, extensions and other special features may be demonstrated only as directed by the official judges and as space permits.
 - d. No electricity will be available for computers or other electronic devices. An effort will be made to provide electricity for projects requiring it for operation during judging only.
- **Documentation.** An original (exhibitor drawn) plan or drawing, a bill of materials and photographs showing all phases of construction/restoration are to be provided with projects. TxDOT and/or ASABE regulations and specifications are to be provided as they apply to individual projects. Display of plans, photos, etc. must be done in such a manner that no additional floor space is required. Stands, podiums, etc. will be permitted only when no additional space is required.
- **Safety.**
 - 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 Southwestern Exposition and Livestock Show building 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 that is to be operated and/or transported on public roads are to be equipped with safety equipment specified in Title 7, Vehicles and Traffic Transportation Code of Texas Statutes, specific chapters regarding width (621.201), lights and reflectors (545.106, 547.324 and 547.331), brakes (547.401), length (621.201) and inspection (621.204) are to be adhered to. 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.
- **Trailer Registration.** Current registration plates are required on all trailers that are exhibited at the Project Show.
- **Vehicles.** Tractors, trucks or other vehicles (including non-entered trailers) are not allowed in the exhibit area as part of the display.

6. Judging Criteria.

- For projects in Classes 1-4, 7-10, 13-16, 19-21, 24-28.

a. Criteria Points:

Workmanship (including finish)	30
Design and Materials Used (including practicality)	20
Documentation	20
Degree of Difficulty	20
Knowledge of Project (response to questions)	10

Total 100 Points

Blue Ribbon 90-100 points, Red Ribbon 80-89 Points, White Ribbon 70-79 Points

Failure to provide all required documentation and information will result in projects being lowered on (1) ribbon group.

FARM AND RANCH RESTORATION PROJECTS

For projects in Classes 31-33

No yard tractors or riding lawnmowers.

Exhibitors must provide mats or lumber/plywood to serve as runners to protect asphalt and concrete from damage for entries with steel lugs.

Year model and serial number must be included with description on entry application.

a. Aesthetics: 15 Points. Overall appearance of entry including workmanship and finish will be considered.

- Preparation prior to painting.
- Painting and finish.
- Detail and completeness of components; steering wheels, seats, decals, brakes, tongues, instrument panels, wiring harness, etc.

b. Original: 10 Points. Must be as original as possible. To include:

- Finish, fasteners, decals and other components.
- Mechanical systems, fuel, electrical, engine, transmission, final drive, cooling, etc.
- Serial plates in place with unaltered serial numbers.

c. Functional: 40 points. To include the restoration of all mechanical systems.

- Engine, transmission, final drive.
- Fuel, cooling, ignition, lighting, exhaust, charging, starting, hydraulic and steering systems.

Exhibitors will be asked to start and drive the tractor; demonstrating all gears along with systems (hydraulics, lights, brakes, etc.). Driving and mechanical evaluation will be done outside when offloading.

Exhibitors may be asked to move tractors outside for additional driving and mechanical evaluation during judging.

- A Mechanical Check Sheet, used by tractor judges in the evaluation, will be posted on the website as it is available. This score sheet will include checks on systems, engine, transmission, final drive, brakes/steering, lights/safety equipment, cranking/charging and PTO/lift/hydraulics.
- Observations made when tractor is driven.

d. 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 five (5) gallons of fuel in the fuel tank.
- Neat and functional drip pans containing floor absorbent material to collect any coolant, oil or hydraulics that may drip from the tractor.
- Fuel shut off valves on all fuel tanks must be functional and all tractors must be exhibited with these valves off.
- An approved ABC fire extinguisher with a minimum of 5 lb. capacity must be provided and placed near the tractor.
- Tractors may be started only at the request of the Show officials.

e. Documentation: 15 points. The National FFA Tractor Restoration Competition documentation format may be used. Documentation must be typed and include the following:

- One page description of the overall restoration project.
- Expense report identifying all costs involved in the restoration.
- Photos (before, during and after). A safe working environment should be depicted in all photos.
- 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.

f. Knowledge: 10 points. Judges will ask questions to determine the exhibitor/exhibitors knowledge of and involvement in the restoration.

g. Presentation: 5 points. Showmanship includes meeting public, eye contact, introduction, enthusiastic and articulate description of the restoration.

Total 100 points

JUNIOR AGRICULTURAL MECHANICS PROJECT SHOW CLASSIFICATIONS

PREMIUM SCHEDULE:

	1st	2nd	3rd
A:	\$100	\$60	\$30
B:	1,000 & Banner		
C:	500 & Banner		
D:	Banner		
E:	Banner		
F:	Rosette		

AGRICULTURAL MACHINERY & EQUIPMENT DIVISION

CLASS	PREMIUM
1-Tractor Mounted and/or Pulled Equipment.....	A
2-Shop Tables.....	A
3-Other Shop Equipment.....	A
4-Truck and/or Tractor Accessories.....	A
5-Champion Agricultural Machinery and Equipment Division.....	B
6-Reserve Champion Agricultural Machinery and Equipment Division.....	C

LIVESTOCK EQUIPMENT DIVISION

CLASS	PREMIUM
7-Gates, Panels and etc.....	A
8-Chutes and Head Gates (all types - squeeze chutes, trim chutes, loading chutes, etc.).....	A
9-Other Livestock Handling Equipment (blocking tables, hoof trimming tables, crates, etc.).....	A
10-Livestock Feeding/Watering Equipment (creep feeders, hay feeders, mineral feeders, combo feeders, etc.).....	A
11-Champion Livestock Equipment Division.....	B
12-Reserve Champion Livestock Equipment Division.....	C

OUTDOOR RECREATIONAL & CONVENIENCE DIVISION

Limit one (1) entry/class/4-H Club or FFA Chapter.

CLASS	PREMIUM
13-Stationary Smokers.....	A
14-Fryers, Fire Pits, etc.....	A
15-Trailer Mounted Cookers (Trailer must meet TxDOT regulations).....	A
16-Other Yard Conveniences (fire wood racks, picnic tables, porch swings, lawn chairs) (No indoor furniture items).....	A
17-Champion Outdoor Recreational and Convenience Division.....	B
18-Reserve Champion Outdoor Recreational and Convenience Division.....	C

GRAND CHAMPION & RESERVE GRAND CHAMPION OF AGRICULTURAL MECHANICS PROJECT SHOW

CLASS	PREMIUM
36-Grand Champion.....	D
37-Reserve Grand Champion.....	E

SHOWMANSHIP

CLASS	PREMIUM
38-Champion Group.....	F
39-Reserve Champion Group.....	F

WILDLIFE EQUIPMENT DIVISION

CLASS	PREMIUM
19-Feeding/Watering Equipment.....	A
20-Traps and Capture Devices.....	A
21-Stands, Blinds, Observation Towers, Other Wildlife Equipment (drop chutes, working boxes, etc.).....	A
22-Champion Wildlife Equipment Division.....	B
23-Reserve Champion Wildlife Equipment Division.....	C

TRAILERS DIVISION

CLASS	PREMIUM
24-Single Axle Bumper Pull Utility Trailers (all lengths).....	A
25-Multi Axle Bumper Pull Utility Trailers (all lengths).....	A
26-Stock Trailers-Bumper Pull and Gooseneck (all lengths).....	A
27-Gooseneck Lowboys and Flatbeds (all lengths).....	A
28-Other Trailers (Multi-bale, welding, tilt bed hydraulic dump, cargo, etc.).....	A
29-Champion Trailers Division.....	B
30-Reserve Champion Trailers Division.....	C

FARM & RANCH RESTORATION DIVISION

CLASS	PREMIUM
31-Tractors, 1949 and older.....	A
32-Tractors, 1950 - 1975.....	A
33-Horse Drawn Equipment (Stagecoaches, chuck wagons buggies, buckboards, freight wagons, plows, mowing, harvesting machines, planters, etc.).....	A
34-Champion Farm and Ranch Restoration Division.....	B
35-Reserve Champion Farm and Ranch Restoration Division.....	C

