

## Agricultural Mechanics Project Show Rules:

1. Entry Fee: ALL entries will be completed online. Exhibitors must pay online and no forms or money will be taken at the Civic Center or Extension Office. You will be able to begin online entries November 02, 2022 at [www.coryellyouthfair.com](http://www.coryellyouthfair.com)
2. Individual/Group Entries: Projects may be individually, or group constructed. Entries must be made in the name of the FFA Chapter or 4-H Club. Entries must include only the name(s) of those who participated in the planning and construction of the project. Group projects are comprised of two (2) or a maximum of six (6) students.
3. No exhibitor may be involved in the construction of more than 3 projects, whether group or individual. This does not limit the number of projects a chapter or club may enter.
4. **They MUST meet the General Rules Exhibitor Eligibility Requirements.**  
Eligible exhibitors are high school Agricultural Science Programs and 4-H members of Coryell County School Districts.
5. FFA and 4-H members must have constructed projects as a part of their agricultural mechanics instruction in agricultural science, or as a part of their supervised work experience program. Projects must be designed and constructed under the direct supervision and guidance of the CEA/AST.
6. Placement of the project will be at the discretion of show officials. Display space under shelter is NOT guaranteed. Off-Loading equipment is not guaranteed. Projects may be exhibited on trailers used for hauling.
7. A project may be exhibited only one time at the Coryell County Jr. Agricultural Mechanics Project Show and must have been constructed within one calendar year of the exhibition date.
8. All projects are to be identified with exhibitor numbers. Chapter/Club identification will be permitted.
9. Any equipment, trailers etc. that will travel on public roads and highways must meet all Federal and State DOT Standards. Current Federal DOT Inspection stickers will be honored. Anything that does not have a current DOT Inspection sticker or that does not meet DOT Regulations will be subject to the judge's discretion.
10. All projects must be completed including finish.

11. Documentation and Research: Documentation is considered a research portfolio and should not be constructed as a scrapbook.

Documentation and research must include the following components:

a. **Working Drawing** – Must include a complete original (exhibitor drawn) plan(s) of the project constructed.

b. **Bill of Materials (BOM)** – Must include a list or description of material used to construct the project. Total cost of construction must be included.

c. **Photographs** – Show work in progress and should illustrate proper safety procedures including clothing, eye, and face shields, etc. Photographs should be sequenced in the order of constructing the project.

12. It is recommended that one member of the FFA Chapter/4-H Club be present at the time of judging to answer questions while the project is being judged. Projects will be judged on the following criteria.

Workmanship.....	25 points
Sound Structural Design & Balance.....	15 points
Degree of Difficulty.....	10 points
Practicality.....	10 points
Finish.....	10 points
Plans, Bill of Materials, Photographs.....	10 points
Student Knowledge.....	20 points

13. Late Entries- Late entries will be accepted online until 5 pm on November 30, 2022. As a penalty all entry fees will double!!!

### **Divisions & Classes**

#### **\*Livestock Equipment Division:**

1. Gates & Livestock Panels
2. Squeeze Chutes, restraining equipment, crowding, or working pens
3. Trim chutes, blocking stands, livestock crates and head gates (Includes Electrical Livestock Equipment)
4. Feeders – includes self and creep feeders – feeders/water troughs built from wood, steel, or concrete.

**\*Farm Machinery Division:**

5. Hay Handling Equipment – includes hay spears, single/double bale hay trailers, bale pickup equipment, etc.
6. Spraying Equipment – herbicides, insecticides, and other chemicals
7. Mounted or pull type tractor equipment & machinery
8. Hydraulic Equipment
9. Shop Equipment (**Includes Electrical Shop Equipment**)
10. Truck Accessories and Equipment

**\*Outdoor Cooking Division:**

11. Non-towable outdoor cooking devices – Fire Pits (Open Top Only) (If Fire Pit has a grill it will be moved to Class 12).
12. Non-towable outdoor cooking devices – BBQ Pit Smokers/Grill, Fire Pit w/ Grill Top, Fish Cookers.
13. Tow-able outdoor cooking equipment (with lug bolts) – BBQ pits, smokers, grills

**\*Home Convenience Division:**

14. Small Indoor furniture – (**Less than 12 square feet**) (**Includes Home Electrical Equipment**)
15. Large Indoor furniture – (**More than 12 square feet**)(**Includes Home Electrical Equipment**)
16. Lawn Furniture – (**Swings, benches, chairs, yard tables**)
17. Yard Convenience – (**Picnic Tables, Planters, Wood racks, dog houses**)
18. Other Yard Conveniences – (**Potting Sheds, Storage Bldgs., Greenhouses, Playground Equipment, Gazebos, etc.**)

**\*Wildlife Division:**

19. Feeding and Watering Equipment
20. Traps and Capture Devices, Processing and Other Equipment (Includes Electrical Wildlife Equipment)
21. Stands, Blinds

**\*Trailer Division:**

22. 12' & under bumper pull utility trailers
23. Over 12' bumper pull utility trailers
24. Stock trailers (gooseneck & bumper pull)
25. Gooseneck and Flatbed/Implement Trailers – all lengths
26. Other trailers – welder trailers, etc.

**\*Farm Equipment Restoration Division**

- 27. Horse Drawn Transportation Equipment
- 28. Horse Drawn Farm & Ranch Equipment (plows, mowing machines, etc.
- 29. Models from 1960 and earlier
- 30. Models from 1961 to 1995

\*\*\* The restoration division must have begun upon the completion of the 2022 Coryell Livestock Show.

**Judging System for Tractor Division:**

- a. Mechanical..... 50 points
- b. Aesthetics..... 20 points
- c. Originality..... 10 points
- d. Safety Equipment..... 10 points
- e. Documentation..... 10 points
- TOTAL..... 100 points

**Mechanical** – will include the restoration of engine, transmission, final drive, fuel system, cooling system, cranking, or starting system, charging system, hydraulic system, steering system, etc.

**Aesthetics** – will include the overall appearance of the tractor. This includes workmanship and finish. Items to be considered include but are not limited to: metal preparation, completeness of sheet metal, paint and finish, detail and completeness of components such as wheels, tires, steering wheels, seats, decals, instrument panels, wiring harness, etc.

**Originality** – will include paint color, fasteners, electrical systems, fuel systems, exhaust systems, mechanical systems, original unaltered serial plates, etc.

**Safety Equipment** – will include all equipment that was original to the tractor. It also includes the provision of drip pans containing floor absorbent to collect any liquids that may drip from the tractor during display. Fuel shutoff valves under all fuel tanks must be functional and tractors are to be exhibited with the valves closed. Tractor engines are to be started and run only at the request of judges or show officials. An ABC fire extinguisher must be provided with each tractor.

**Documentation** – must be typed or computer generated and is to include a one-page description of the overall restoration project, an expense report identifying all costs of restoration, photos showing before, during and after restoration that shows a safe working environment, and a complete description of all mechanical work performed. All documentation must be displayed in a three-ring binder, divided, and sequenced with a table of contents and page numbers.

**Awards:**

**Class Winners Awards:** 1st, 2nd, & 3rd places of each class will be awarded with respective ribbons.

**Division Champion Awards:** 1st & 2nd place projects of each class will be judged for Division Champion and Reserve Division Champion. The winning projects will be awarded with rosettes.

**Overall Champion Awards:** Division Champions and Reserve Division Champions will be judged for Overall Grand Champion and Overall Reserve Grand Champion of Show. Overall Grand Champion and Overall Reserve Grand Champion of show will each be awarded a banner.

**Showmanship Award:** Presented to school, club or individual selected as having presented the best public image. Judging of showmanship will take place from 8:00 a.m. until the completion of judging of all projects. Champion Showmanship and Reserve Champion Showmanship banners will be awarded.

**Major considerations in the selection of showmanship winners are listed:**

- A. Appropriate display and presentation of projects.
- B. Appropriate display of project plans and photographs.
- C. Housekeeping around project display.
- D. Appropriate dress.
- E. Conducive attitude and participation of exhibitors.