

Walker County Fair Association

AGRICULTURAL ENGINEERING AND MECHANICAL PROJECT SHOW RULES

- 1.** The Agricultural Engineering and Mechanical Project Show will be open to any Walker County youth currently enrolled in a career and technology program and/or a member in good standing of FFA or who is an active member of an organized 4-H Club.
- 2.** All exhibitors projects shall include the following documentation: (a) Student produced scaled draft (paper pencil draft or computer aided draft) of the project to show adequate detail for replication; (b) A bill of materials (to include: quantity, a description of the materials used, cost per unit, total cost, and overall total cost); (c) A cut list (to include: quantity, a description of the materials used, dimensions/angles/details of each piece used in the project); (d) Photographs of the student constructing the project using safe working practices to include wearing Personal Protection Equipment at all times; (f) Receipts of all materials purchased for the design, construction, and finish of the project. These documents should be presented in a 3-ring binder. All documents should be displayed in clear slip covers to protect the documents and allow for easier transition from document to document. Drafts may be displayed on an easel beside the project if space allows. Project binder must be presented at the time of check-in.
- 3.** Judges shall be selected for the Agricultural Engineering and Mechanical Project Show based on the Committee Chair(s) recommendations. Additionally, no judge shall be from Walker County, TX or a bordering county of Walker County, Texas. Furthermore, no judge may serve longer than two consecutive years at the Agricultural Engineering and Mechanical Project Show. Judges shall be compensated based upon fair market value of their time, travel distance, and expertise. This amount will be determined by the committee chair(s).
- 4.** A project can be exhibited only one time at the Walker County Fair Agricultural Engineering and Mechanical Project Show and must have been constructed within one calendar year of the exhibition date.
- 5.** All projects must be painted or properly treated and must be clean and in a presentable condition even though they may have been used.
- 6.** Each project entered must be accompanied by a statement from a Career and Technology teacher or adult 4-H leader certifying that the project was planned and constructed under his or her supervision.
- 7.** All non-livestock entry fees will be due at the non-livestock sign-up to be held at the Walker County Fairgrounds between the hours of 5:00 pm and 7:00 pm on the 3rd Thursday of February preceding the published fair dates and will be the only date on which Baked and Canned Goods, Agricultural Engineering and Mechanical Project Show, Horticulture and Fine Arts entries will be accepted.
- 8.** All trailers and other projects, including trailer-mounted bar-b-que pits, must meet current Texas and Federal Department of Transportation regulations. All towed projects are to be equipped with safety chains (mandatory) and lights (applicable if the project is designed to operate on a public road).
- 9.** 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.
- 10.** Entries must be delivered and registered at the Walker County Fair Grounds on the Friday designated in the current Walker County Fair Schedule of Events between 8:00 a.m. and 10:00 a.m. Judging will begin at 10:00 a.m. the following Monday.
- 11.** All projects are to be identified with standard club exhibitor cards or computer-generated cards that include the exhibitor name(s), chapter/club, and school.

12. No "For Sale" signs will be permitted on projects.

13. Exhibitors are to keep the projects and exhibit area clean and orderly. A group showmanship award will be presented to the chapter/club that does the best job of presenting a good public image. Individual showmanship awards (junior – ages 8 – 13 and senior ages 14-18) will be presented to the individual(s) who do the best job of presenting a project to the judges.

14. Entries will be classified by the Danish System (blue, red, or white) using the following score card:

A. General Appearance and Workmanship	40 points
B. Design and Materials Used	20 points
C. Degree of Difficulty and Presentation	20 points
D. Documentation of the Project	10 points
<u>E. Appropriate Finish</u>	<u>10 points</u>
Total	100 Points

15. The first and second place entries in each division will be eligible to sell in the Agricultural Engineering and Mechanical Projects Sale. If either of these placing entries decline to enter the sale, then the third placing entry will have the option to sell. Should the third place entry decline to enter the sale, then the fourth place entry would be allowed to sell. This process would continue until two projects from each division would be entered in the sale. All exhibitors of Agricultural Engineering and Mechanical Projects will adhere to the General Rules as listed in the Livestock section in the current Walker County Website.

16. All judge's decisions and announced results will be final.

17. Every precaution will be taken to protect projects entered; however, the Walker County Fair Association and the officials of the Agricultural Engineering and Mechanical Project Show will not be responsible for and losses or damage to projects.

18. Entries must be removed from the Walker County Fairgrounds on the last Sunday of the Fair between 7 a.m. and 9 a.m. Any exhibit remaining on display after the deadline will become property of the Walker County Fair Association.

19. Projects may be entered in the following divisions:

DIVISION I- Outdoor Metal Projects (i.e. bbq pit, fire pit, smokers, metal bench, metal swing, etc.) Projects that are of 90% metal construction – may be towable or non-towable

DIVISION II-Woodworking (i.e. wooden bench, wooden dining table, wooden indoor chair, wooden swing, wooden outdoor bar, wooden pergola, wooden boat, etc.) Projects that are of 90% wooden construction and designed for indoor or outdoor use

DIVISION III – Shop Equipment (i.e. shop table, work table, engine stand, metal storage rack, shop cart, oxy-fuel cylinder cart, A-frame hoist, etc.) Projects used to enhance education or work in a laboratory or shop setting; must be of 90% metal construction.

DIVISION IV – Electrical and Energy Systems – Projects where electrical components, systems, and controls are fundamental to completing a given task in agriculture. (i.e. trailer light testing box, GFCI/DCO electrical stand, electric powered saw, crop observation drone, agricultural spraying robot, solar powered cattle sprayer, etc.) Projects can be a combination of wood, metal, plastic, rubber, etc.

DIVISION V-Livestock Equipment (i.e. gates, panels, restraining equipment, trim stands, working pens, feeders, feed storage, feed manufacturing/delivery equipment, etc.) Projects can be wooden or metal or a combination of both

DIVISION VI-Agricultural Equipment (i.e. machinery mounted or pulled-type, hay handling equipment, spraying equipment, arena drags, disc harrow, log splitter, truck bumpers, truck beds, truck brush guards, receiver hitch carriers, fuel tanks, etc.) Projects can be constructed from a combination of wood or metal.

DIVISION VII-Trailers (i.e. bumper, gooseneck, or fifth wheel type trailers, etc.) Trailers must meet Texas and Federal DOT specifications for safe use on public roadways.

DIVISION VIII-Wildlife (i.e. wildlife observation tower, wildlife feeder, quail pen, deer chute, feral hog removal equipment, knives, shooting targets, shooting bench, etc.) Projects may be towable or non-towable and may be constructed from a combination of wood or metal.

20. The Walker County Fair Association Agricultural Engineering and Mechanical Project Show Chairmen has the final decision in the classification of projects in divisions.

Amended 8-10-10

Amended 8-2012

Amended 8-2013

Amended 8/2014

Amended 8/2016

Amended 8/2017

Amended 8/2022