

## MODEL TRACTOR PULL (1/16 scale model tractors)

PROJECT SUPERINTENDENT:	Rodney & Tasha Rulon, 317-694-6741, rodney@rulonenterprises.com	
EXHIBIT CHECK-IN:	Notebooks 1/16th Model Tractor	Sunday, July 14, 4-6 PM Monday, July 22, 9 AM
JUDGING:	Notebooks 1/16th Model Tractor	Monday, July 15, 8:30 AM, Closed Judging Monday, July 22, 9:30 AM, Open Judging
RELEASE:		Immediately following judging
STATE FAIR ENTRIES:		No entries, County project only

**Project Description:** This is an engineering and design project which you will start with a metal 1/16<sup>th</sup> scale toy tractor and add a motor, gearbox and rubber tires to create a scale size pulling tractor. All members must complete at least one (1) year in the beginner (electric) and one (1) year in the intermediate (fuel) Pro-Stock class before being able to exhibit in the advanced division **regardless of your grade in school**. For example: All first year members must exhibit as beginners (electric) regardless of grade. Second year members in grades 6-12 will exhibit as intermediates. The earliest you may exhibit in the advanced division is your third year in the project **regardless of your grade in school**. In addition, because of the expense and complexity of converting to the fuel powered classes, members of all grades will be able to continue to participate and complete the project with an electric powered tractor which follows the beginner division requirements even if they are registered as intermediate or advanced. Advancement to fuel power will be at the discretion of the member. However, members who choose to continue to participate in the electric class while registered for intermediate or advanced divisions will not be eligible for the Champion/Grand Champion electric placing. Champion and Grand Champion of the beginner division will be available only to those registered in the beginner division. All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to original author.

### Levels:

<b>Beginner</b>	<b>Grades 3-5</b>
<b>Intermediate</b>	<b>Grades 6-8</b>
<b>Advanced</b>	<b>Grades 9-12</b>

### Project Guidelines:

- Use a General Record Sheet (4-H 528).
- Projects will be judged as follows:
  - 25% on Static Model and Project Binder.
  - 75% on placing in the tractor pull at the Hamilton County 4-H fair.

### Exhibit Guidelines:

- For all divisions a project binder with your completed general record sheet and pictures/information about your tractor will be on display at the 4-H fair. The binder should include correct photos of your tractor along with captions explaining photos/engineering concepts. Photos of the completed tractor at the pull will also be needed for maximum binder points.
- Check-in for this will be on Sunday, July 14, 2024.
- Binders will be judged with placings awarded prior to the tractor pull.
- On the day of the pull you will be expected to bring your completed tractor for a tech inspection and check prior to the pull.

## **Exhibit Class Guidelines:**

**Beginner-** Exhibit one (1) 1/16<sup>th</sup> scale model tractor with restricted gear ratio and electric motor which will be purchased from the project superintendent. See project manual for additional requirements. Turn in completed general record sheet for judging with project binder.

**Intermediate-** Exhibit one (1) 1/16<sup>th</sup> scale model tractor with restricted gear ratio using up to a 35% fuel mixture powered engine (unless choosing to pull in electric class as outlined above.) See project manual for additional requirements. Turn in completed general record sheet for judging with project binder.

**Advanced-** Exhibit one (1) 1/16<sup>th</sup> scale model tractor using up to a 35% fuel mixture powered engine (unless choosing to pull in electric class as outlined above). See project manual for additional requirements. Turn in completed general record sheet for judging with project binder. Exhibitors in the advanced division will be allowed to enter up to two (2) tractors in order to post a placing in both the 3 pound and 5 pound weight classes for Grand Champion consideration as necessary. Only one (1) entry per class per exhibitor is allowed. This will generally apply to those entering a tractor in the 5 pound Super Stock class and a different tractor in 3 pound Pro-Stock class.