

Mechanical Principles – Tractor Day  
 Friday, August 2, 2019  
 JD Equipment in London, OH  
 Mary Griffith and Dewey Mann, Assistant Superintendents

Contest is held at AgPro Equipment in London, OH. The address is: 1660 U.S. 42 London, OH 43140.

GENERAL GUIDELINES

1. Classes

- J-1 Junior Division (ages 8-11)
- J-2 Intermediate Division (ages 12-13)
- J-3 Senior Division (ages 14 and older)

2. Participation Guidelines:

- For the safety of bystanders, parents/siblings are NOT allowed near the driving and parts ID areas.
- The clock trophy winner of any class in 2018 is not eligible to participate in the same class in 2019.
- Any previous senior trophy winners of the National Tractor Event are not eligible to participate again.
- Each county may have up to **three participants** in each class according to the age specifications printed.
- Participants in classes J-1 thru J-3 must be enrolled in a 4-H Tractor program/project.
- Safety will be stressed throughout the contest.
- Awards will be presented at the conclusion of all contestants completing the course, approximately 4:00 p.m. If scoring is completed sooner, an announcement will be made on-site and awards presentation will begin.
- The event will be judged outdoors. In case of severe weather conditions, the contest will proceed at the discretion of the superintendent.
- John Deere tractors will be used as available, with these expected size (subject to change)
  - J-1: Lawn mower of 20-30 Hp with hydrostatic transmission (example X500)
  - J-2: Tractor with two-wheel trailer; tractor 30-60 Hp with hydrostatic transmission (ex: 400 series compact utility)
  - J-3: Tractor with two-wheel and four-wheel trailer; tractor 45-100 Hp with manual transmission (i.e. clutch) (ex: 5000 or 6000 series utility tractor)
  - Parts Identification (all age groups): Large row-crop tractor (ex: 6000-8000 series)
- Judges will preside over the event and their decision will be final.
- The contest is designed to be a practical demonstration and an attempt has been made to simulate operating conditions.

3. Type of Evaluation:

Class	Types of Evaluation			
	J-1	Interview	Parts Identification	Driving a lawn mower (no deck)
J-2	Written Test	Parts Identification	Driving a tractor (hydrostat) with two-wheeled trailer and safety evaluation	
J-3	Written Test	Parts Identification	Driving a tractor (manual transmission) with two-wheeled trailer and safety evaluation	Driving a tractor (manual transmission) with four-wheeled trailer and safety evaluation

4. Participant MUST bring:

- Registration information provided to you by your County 4-H Educator.
- A display board is not required.

## AWARDS AND SPONSORS

1. All participants will receive a participation award sponsored by the Ohio State Fair.
2. The top 20% of each class will receive "Outstanding of the Day" awards sponsored by the Ohio State Fair.
3. One clock trophy will be presented to the top individual in each class. The 2018 sponsor was: **Power Show Ohio.**

2018 CLASS WINNERS (are not eligible to participate in the same class in 2019)

J-1	Youngest Tractor Division	Eric Macklin, Allen
J-2	Junior Tractor Division	Austin Otte, Mercer
J-3	Senior Tractor Division	Thomas Gress, Wayne

## JUDGING SCHEDULE FOR 4-H MECHANICAL PRINCIPLES--TRACTOR CLASSES

**9:00 AM: J-1, J-2, and J-3** participants from the following counties:

Champaign, Clark, Delaware, Fairfield, Fayette, Franklin, Greene, Licking, Madison, Pickaway, Union

**10:00 AM: J-1, J-2, and J-3** participants from the following counties:

Allen, Auglaize, Clinton, Crawford, Darke, Hancock, Hardin, Hocking, Knox, Logan, Marion, Mercer, Miami, Montgomery, Morrow, Muskingum, Richland, Preble, Perry, Ross, Shelby, Wyandot

Additionally, **J-3** participants from the following counties:

Fulton, Guernsey, Morgan, Paulding, Putnam, Sandusky, Seneca, Van Wert, Wayne, Wood

**11:00 AM: J-1 and J-2** participants from the following counties:

Fulton, Guernsey, Morgan, Paulding, Putnam, Sandusky, Seneca, Van Wert, Wayne, Wood

Judges will take a one-hour break around noon. Judging will continue after that break

**1:00 P.M. ALL REMAINING J-1, J-2 and J-3** participants from COUNTIES not listed above