



4-H/FFA TRACTOR DRIVING CONTEST RULES

Superintendent: Jeremy Russell

Assistant superintendent: Jaime Russell

Online entries open November 6, 2023 and close at midnight March 15, 2024. No paper entries.

CONTEST: Thursday, April 11, 2024 | 4:00 PM

CHECK IN: 3:00 PM | **LOCATION:** Cattlemen's Arena

ELIGIBILITY:

- The contest is open to any student older than 8 years of age through 18 years of age or senior in high school who is a member in good standing of a 4-H or FFA chapter.
- This event is classified as an OUTDOOR event; therefore, students will be required to wear pants and closed toe shoes. Official dress may be worn if the student chooses, but is not required.

DIVISIONS: Age as off September 1, 2023

- Junior (8-10)
- Intermediate (11-13)
- Senior (14-18)

EQUIPMENT:

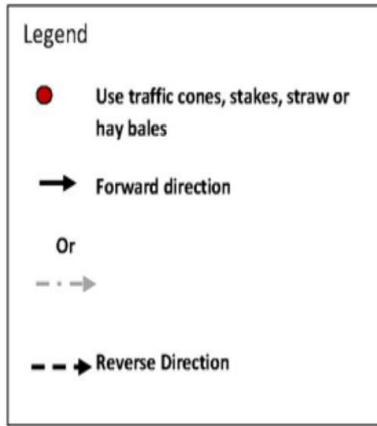
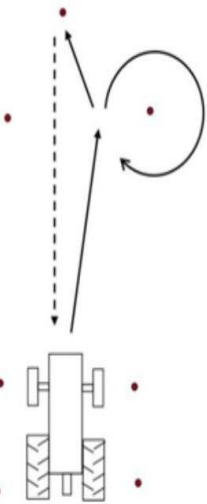
A 25hp – 45hp tractor with a 8' x 14' flatbed utility trailer will be used (The type of tractor and trailer are subject to change based on availability)

SPECIFIC SHOW RULES:

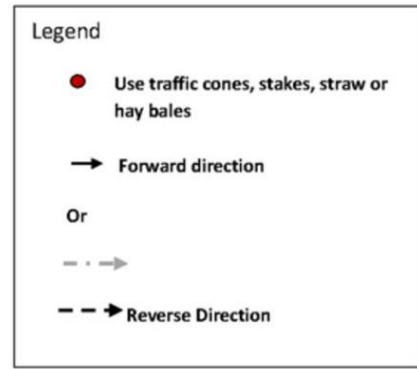
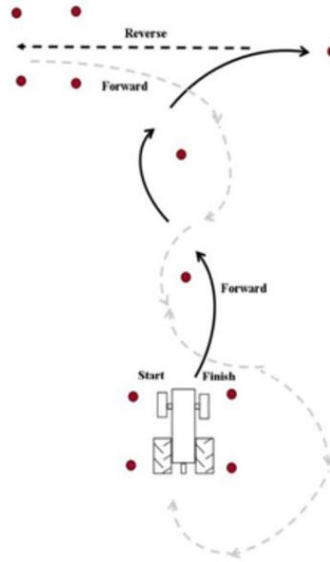
- The Safe Tractor Operation and Maintenance Contest is designed to develop the ability for youth to demonstrate their knowledge and ability as it relates to the maintenance and safe operation skills of tractors.
- Each contestant will be required to take a basic written exam prior to the contest to demonstrate tractor safety and operation. The contest is designed to be a practical demonstration and an attempt has been made to simulate actual farm operating conditions.
- **SAFETY REQUIREMENTS:** The operator shall be in the seat of the tractor when engaging the starter motor or attempting to start the engine. The transmission shall be placed in neutral or park and the clutch disengaged before attempting to start the engine. The operator shall give an audible signal and assure that all other persons are in a clear, safe position prior to engaging the starter motor or attempting to start the engine. The operator shall wear the seat belt during the course. Flashers and running lights shall be on when the tractor is being driven on the course. Tractor motion shall be started smoothly by releasing the clutch in a slow, smooth manner. The tractor shall be driven in a safe manner at all times. **FAILURE TO FOLLOW ANY OF THESE SAFETY REQUIREMENTS WILL RESULT IN IMMEDIATE DISQUALIFICATION AND THE SUPERINTENDENT WILL STOP THE COURSE AND REMOVE THE OPERATOR.**

COURSE:

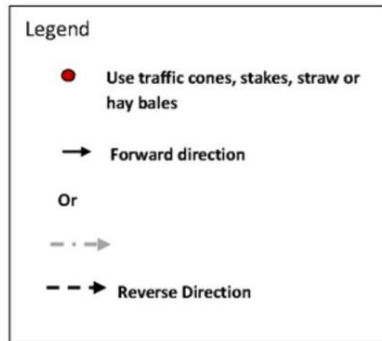
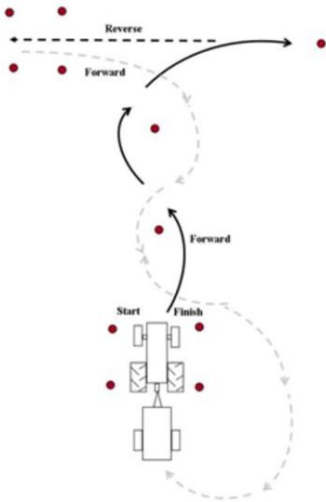
Juniors



Intermediates



Seniors



A 30' buffer will extend to the outside of the obstacles. Operators shall not cross this line.

The trailer for seniors will start and end inside a simulated barn with 6" clearance on both sides and rear

All dimensions and course directions are subject to change to accommodate the tractor/trailer and course area

AWARDS:

All premium award money will be forfeited if not collected by the end of the Fair.

Scoring will consist of the ability to check his/her surroundings of the tractor prior to mounting, following all proper safety procedures.

- 1st Place **\$100 Banner**
- 2nd Place **\$75 Banner**
- 3rd Place **\$50 Banner**

Juniors:

Proper speed and gear selection, maintaining proper distance from obstacles without making contact, time taken to complete and proper dismounting of the tractor at the conclusion of the course.

Intermediates:

Proper speed and gear selection, maintaining proper distance from obstacles without making contact, properly parking the tractor, time taken to complete and proper dismounting of the tractor at the conclusion of the course.

Seniors:

To safely attach the trailer to the tractor, proper speed and gear selection, maintaining proper distance from obstacles without making contact, properly parking the tractor and trailer, time taken to complete and proper dismounting of the tractor at the conclusion of the course.



SAFE TRACTOR
OPERATIONS CDE

PRE-WARM-UP

1. Failure to check water		x7	
2. Failure to check oil		x7	
3. Failure to check fuel		x7	

STARTING ENGINE

4. Failure to check neutral position		x10	
5. Failure to disengage clutch while starting engine		x10	
6. Switch not turned on		x3	

WARM-UP AND CLUTCH OPERATION

7. Failure to warm-up engine for period specified		x7	
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DRIVING

(No points deducted for the first three and one half minutes (210 seconds), however, seconds more than three and one half will be multiplied by one-fifth. If the student exceeds 10 minutes, the driver will be stopped.)

8. Time:	Total Seconds:		x0.2
9. Number of pull ups to improve position (While backing into the shed or through the course.)			x2
10. Markers scraped (number)			x4
11. Markers moved or upset (number)			x5
12. Killed engine (number times)			x2
13. Grated gears (number times, does not apply to hydrostatic tractors)			x1
14. Rough clutch engagement (number times, does not apply to hydrostatic tractors)			x1
15. Failure to disengage clutch (number times, does not apply to hydrostatic tractors)			x2
16. Number of inches wheel off center when the tractor is stopped to detach trailer			x2
17. Number of inches trailer is + or - 4 inches from rear boundary			x2
18. Out of bounds (number times)			x5

SAFETY

19. Skidding or spinning wheels when starting (number of violations)			x2
20. Turning too short and fouling implement (number of violations)			x2
21. Operation of tractor at unsafe speed (number of violations)			x4
22. Moving tractor with brake set (number of violations)			x1
23. Failure to dismount to insert or remove drawbar pin			x2
24. Failure to bring tractor to complete stop and / or turn tractor off before dismounting			x5
25. Failure to lock brakes before dismounting to hook-up or unhook implement at finish line			x5
26. Excessive use of brakes (number of violations)			x2
27. Failure to wear safety belts (only if equipped with ROPS)			x2
28. Failure to mount/dismount properly (driver must face tractor, maintain three points of contact)			x2

TRACTOR OPERATION SUB-TOTAL

TOTAL SCORE

Written Exam (number missed)			x4
Tractor Operation (number missed)			x1
Oral Exam and/or Demonstration			x1

GRAND TOTAL (LOW SCORE WINS)