Tractor Safety & Skills CDE

Purpose

The purpose of the Tractor Driving Career Development Event is to encourage the safe and appropriate use of farm tractors in an agricultural setting. The event challenges students to safely maneuver a tractor with a small trailer through a set course with accuracy.

Sponsor

The Tractor Driving event is sponsored by Southern Shows and Kubota Tractor.

State Event Superintendent

The superintendent for this event is Mr. Jason Davis, State FFA Coordinator, Department of Agricultural and Extension Education, NC State University, Box 7654, Raleigh, NC 27695-7654 Phone: 919.513.0216 Fax: 919.513.3201 Email: jason\_davis@ncsu.edu

Eligibility

The state event will be open to only one participant from each federation - the federation winner. The federation winner must be an active member; however, no previous state winner is eligible. FFA members may not participate in a Career Development Event that leads to a state level event after July 1, following their high school/early college graduation.

Each participant's chapter advisor must return a completed registration form (which carries parental consent and waiver of liability). Each year's form is provided in a mailing from the Southern Farm Show.

The use or possession of cellular phones, Personal Digital Assistants (PDA’s) or any other mobile electronic communication device is prohibited during any state-level career development event. Any violation of this rule will result in total disqualification.

Any member found cheating in any state-level career development event will result in total disqualification for that event.

Dress Code

Participants are required to follow the North Carolina FFA Career Development Event Dress Code. A ten percent reduction in the total score will be taken if a participant violates the dress code. Participants are allowed to wear long pants, an appropriate shirt with a collar or an appropriate high school or FFA t-shirt.

Procedures for Administering the Event

Participants will be judged on their knowledge and demonstration of safety practices and skills in the operation of a tractor with a two-wheeled trailer. The lowest score is the winner.

**Scoring**

Participants will be scored on their performance using the North Carolina FFA Tractor Driving Score Card. Performances will be timed and the time is calculated into the individual score. Participants start with a score of zero and points are given for each infraction earned. The participant’s event time is calculated into the score as a deduction. The participant with the lowest score is considered the winner.

Frequently Asked Questions Regarding this Event

*Riding the Clutch?*

The state event uses Hydro-static driving tractors that do not have a clutch. For chapter or federation events, many judges will deduct points if the driver’s foot rests on the clutch. It is recommended that unless the driver is clutching, the driver’s foot should rest on the foot rest.

*Can the tractor be left running while hooking to the trailer?*

Yes, be sure to apply the parking brake and remove the tractor from gear.

*What if the trailer touches a marker while the driver is hooking to it?*

It is the duty of the judges to make sure that the trailer is square inside of the shed area. If the trailer touches or knocks down a maker while it is being pulled out, the driver has not backed square to the trailer or has turned quickly, and thus points will be added.

*Can a driver take extra long turns when turning?*

Yes, but this will cost him/her more time and thus affect his/her score.

*What are the dimensions of the trailer used at the state event?*

The wheel base is 5’ and the trailer tongue length is 78” .

*What is the end point for the state event?*

When the driver has backed the trailer into the shed, the driver should cut off the tractor when he or she is satisfied. Time will be called as the fan blade stops turning on the tractor by the officials.

*What if I do not follow the prescribed course in the chapter guide?*

You will be disqualified.

State Awards

The following awards will be presented annually at the state FFA convention provided sponsorship is available:

State Winner

*First place plaque*

 Second Place

 *Second place plaque*

 Third Place

*Third place plaque*

North Carolina FFA Tractor Driving Score Card

Participant's Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Number\_\_\_\_\_\_\_\_\_\_\_\_\_

School \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Scoring No. Errors Times Points Off

1. Failure to check neutral position before starting engine. \_\_\_\_\_\_\_\_ x 25 \_\_\_\_\_\_\_\_

2. Failure to disengage clutch while starting engine. \_\_\_\_\_\_\_\_ x 50 \_\_\_\_\_\_\_\_

3. Failure to set both brakes or set transmission in park

 before dismounting tractor. \_\_\_\_\_\_\_\_ x 50 \_\_\_\_\_\_\_\_

4. Failure to check P.T.O. for disengagement prior to starting

 engine (score only once at beginning of driving). \_\_\_\_\_\_\_\_ x 50 \_\_\_\_\_\_\_\_

5. Moving tractor with brakes set \_\_\_\_\_\_\_\_ x 10 \_\_\_\_\_\_\_\_

6. Turning too short and fouling equipment \_\_\_\_\_\_\_\_ x 50 \_\_\_\_\_\_\_\_

7. Unnecessary side skidding, or spinning of wheels, or

 operating tractor at unsafe speed, each instance. \_\_\_\_\_\_\_\_ x 100 \_\_\_\_\_\_\_\_

8. Other unsafe practices (score for each offense)

 Extra riders. \_\_\_\_\_\_\_\_ x 100 \_\_\_\_\_\_\_\_

 Seat belt on tractor not used. \_\_\_\_\_\_\_\_ x 50 \_\_\_\_\_\_\_\_

 Other (discretion of judges). \_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_

 Total Points Off (SAFETY) \_\_\_\_\_\_\_\_

1. Each change in direction other than necessary for course. \_\_\_\_\_\_\_\_ x 10 \_\_\_\_\_\_\_

2. Markers or lines:

 Touched. \_\_\_\_\_\_\_\_ x 40 \_\_\_\_\_\_\_\_

 Knocked down or lines crossed. \_\_\_\_\_\_\_\_ x 50 \_\_\_\_\_\_\_\_

 Running over a post \_\_\_\_\_\_\_\_ x100 \_\_\_\_\_\_\_\_

3. Rough clutch engagement, riding clutch, clashing of gears, or

 engine stalled, each instance. \_\_\_\_\_\_\_\_ x 10 \_\_\_\_\_\_\_\_

4 Measurement in shed (measure to nearest inch)

 Inches off‑center, front. \_\_\_\_\_\_\_\_ x 10 \_\_\_\_\_\_\_\_

 Inches off‑center, rear. \_\_\_\_\_\_\_\_ x 10 \_\_\_\_\_\_\_\_

 Inches greater than one from center‑rear‑post \_\_\_\_\_\_\_\_ x 10 \_\_\_\_\_\_\_\_

5. Time: Minutes \_\_\_\_\_\_ Seconds \_\_\_\_\_ Total Seconds \_\_\_\_\_\_\_\_ x0.2 \_\_\_\_\_\_\_\_

6. Time in excess of 8 minutes, 100 points \_\_\_\_\_\_\_\_

7. Dress Code Violation (10% penalty) \_\_\_\_\_\_\_\_

 **TOTAL POINTS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 