

# **Wilson County-Tennessee State Fair**

## **SAFE TRACTOR DRIVING CONTEST**

*Registered participants (limit of 25) will need to check-in at the Motorsports arena at 9:00 AM. You must submit a signed liability waiver when you register online. Participants must be at least 16 years old.*

### **PURPOSE**

The general purposes of this contest are: (1) to provide competitive activities which reflect certain abilities and areas of emphasis needed in the education of the successful agriculturist; (2) to advance safety, skill and efficiency in the use of tractors and equipment; and (3) to give FFA members who are participating in the FFA Safe Tractor Driving Contest an opportunity to demonstrate their skill in operating a tractor and their knowledge of tractors.

**(SAFETY WILL BE STRESSED THROUGHOUT THE CONTEST.)**

### **ELIGIBILITY AND REGULATIONS**

**\*Contestants must have prior experience operating a tractor and must be at least 16 years old.**

**\*Contestants must have a RELEASE OF LIABILITY FORM with appropriate signatures.**

### **GENERAL RULES**

1. Only contest officials and operating contestants are allowed in the course area.
2. If a cell phone is seen or heard in the possession of a competitor, that individual student will be disqualified from competition and receive a score of zero.
3. Competitors must enter their name on the scorecard or they will receive a score of zero. Judges will not attempt to figure out who the card belongs to.
4. An orientation meeting for all contestants will be held before the contest. The meeting will include:
  - a An Introduction of judges and assistants.
  - b Drawing lots to determine the order in which the contestants will participate.
  - c Handing out forms to contestants and having them put their name and contestant number on the forms.
  - d Explaining and walking through the driving course.
  - e Explaining the time and phases of the contest.
4. Scoring will be a weighted "fault points" system. Low score wins. A Perfect score is zero.
5. The first tiebreaker for the contest will be the amount of time it takes a driver to complete Part III. A second tiebreaker, if necessary, will be the nearest measurement to the perfect clearance on the shed measurements.
6. The tractor size should be 30-60 horsepower.
7. Failure to attempt all portions of the contest will result in disqualification.

8. There will be a time limit of 6 minutes to complete the course. (\*\*this maybe changed due to the course set up. The time limit will be announced at the beginning of the contest)
9. Any driver that is deemed a danger to him/herself or equipment during the driving portion or continually operates the tractor in an unsafe manner may be asked by the judges/superintendent to discontinue and will be disqualified from the contest.

### Example DRIVING COURSE

- The tractor is hitched to the trailer parked outside the “implement shed”/cones.
- The contestant is standing with a judge and indicates when he/she is ready to begin.
- Time begins when the contestant indicates he/she is ready.

The contestant makes sure the trailer is securely hitched to the tractor and performs the safety check.

Once the safety check is completed, the contestant is ready to begin the driving phase. The contestant indicates to the judge that he/she is ready to start the driving phase and the judge will signal to start.

The contestant will pull the trailer, line up, and back it down the alley until the back of the trailer clears the end of the alley. A judge will signal the driver when he/she has cleared the end of the alley.

The contestant will pull the trailer out of the alley and through gates 1 and 2, around the end, and back through gates 3 and 4.

The contestant will drive back to the implement shed/cones, line up the trailer, back it into the shed/cones, set up the tractor, and signal the judge that he/she is ready for the measurements to be checked. Upon completion of the measurements, the driver will pull the trailer out and clear the shed, set up the tractor, turn off the engine, and dismount.

The time stops when the engine fan stops.

When the contestant dismounts from the tractor, both brakes must be set or the gear shift must be in park position on tractors that are so equipped.

Riding the clutch, using excessive throttle, excessive ground speed, and controlling ground speed with the clutch may be scored at any time during the contest.

### SCORING

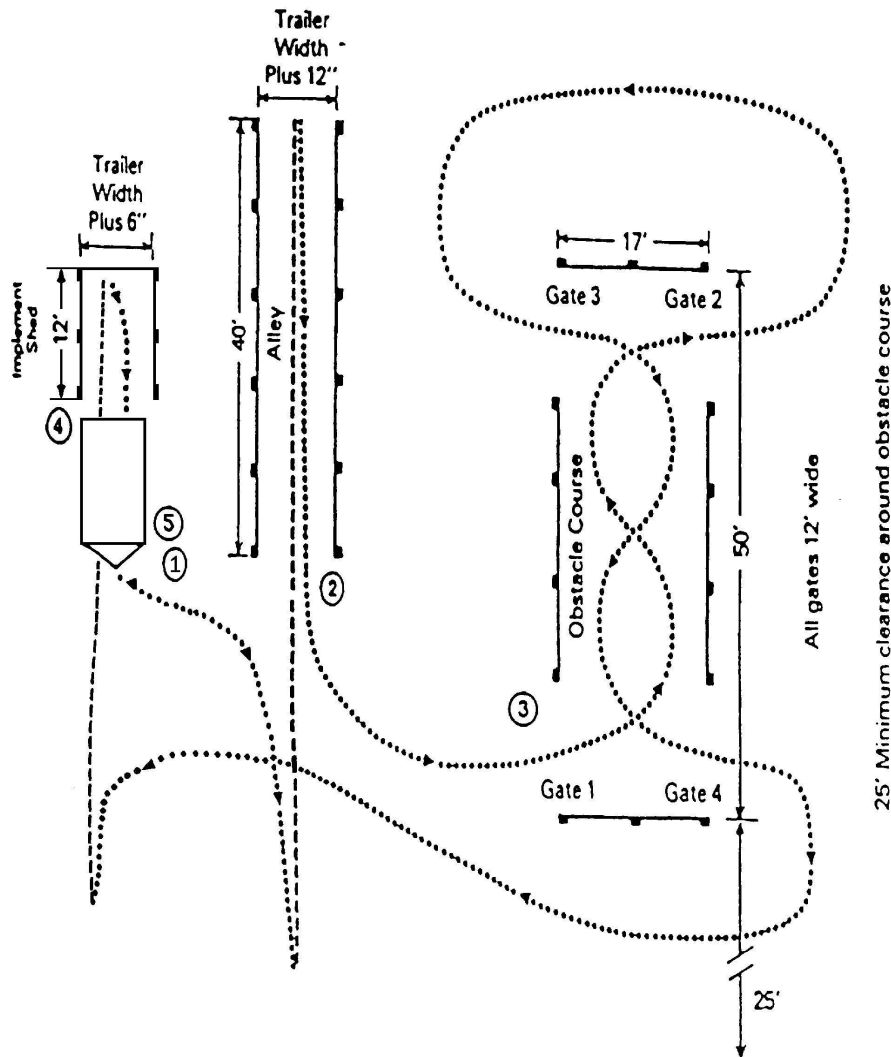
Number of times each error is made x value of error = Total penalty points.

The possible infractions along with the respective values are shown on the Official Score Sheet

The failure or omission of a driver to follow the prescribed course will be assessed in the Failure to Follow the Prescribed Driving Course.

## Example Course Layout

\*\* Course layout and obstacles may be changed some due to space and material availability\*\*



### Notes:

1. **Trailer:** The length of the trailer should be a minimum of 6 feet and a maximum of 10 feet. The width of the trailer should be a minimum of 6 feet and a maximum of 8 feet.
2. **Implement Shed:** The implement shed should be centered on the alley way length (as shown above), and located a minimum of 10 feet away from the nearest side of the alley. The implement shed should be 12 feet in length and a width equal to the width of the trailer being used plus 6 inches.
3. **Alley:** The length of the alley should be 40 feet. The width should be equal to the width of the trailer being used plus 12 inches.

Contestant's Name \_\_\_\_\_ Chapter \_\_\_\_\_

| Operation Score Sheet<br>INFRACTION                                 | No. OF<br>INFRACTIONS | POINTS LOST<br>FOR EACH<br>INFRACTION | TOTAL<br>PENALTY<br>POINTS |
|---------------------------------------------------------------------|-----------------------|---------------------------------------|----------------------------|
| <b>Failure To Check</b>                                             |                       |                                       |                            |
| Neutral Position                                                    |                       | 15                                    |                            |
| PTO for Disengagement Before Starting Engine                        |                       | 15                                    |                            |
| Failure to Disengage Clutch While Starting Engine                   |                       | 25                                    |                            |
| Failure to Fasten Seat Belt                                         |                       | 25                                    |                            |
| Moving Tractor While Brakes are Set                                 |                       | 10                                    |                            |
| Rough Clutch Engagement                                             |                       | 25                                    |                            |
| Grating/Grinding Gears                                              |                       | 25                                    |                            |
| Riding the Clutch                                                   |                       | 50                                    |                            |
| Stalling the engine                                                 |                       | 25                                    |                            |
| Excessive Engine Speed                                              |                       | 25                                    |                            |
| Excessive Tractor Speed                                             |                       | 25                                    |                            |
| Using Clutch to Control Ground Speed                                |                       | 25                                    |                            |
| Skidding or Spinning Tractor Wheels                                 |                       | 25                                    |                            |
| Hitting Markers/Posts/Lines                                         |                       | 50                                    |                            |
| Unnecessary Change of Direction                                     |                       | 25                                    |                            |
| Fouling Tongue of Trailer                                           |                       | 100                                   |                            |
| Touching Markers/Posts/Lines                                        |                       | 25                                    |                            |
| Running Over Markers/Posts/Lines                                    |                       | 100                                   |                            |
| Touching Side of Shed/Alley                                         |                       | 25                                    |                            |
| Rough Fouling of Shed/Alley                                         |                       | 100                                   |                            |
| Failure to Completely Stop Before Dismounting                       |                       | 50                                    |                            |
| Failure to Set Both Brakes Before Dismounting                       |                       | 50                                    |                            |
| Failure to Follow Prescribed Driving Course                         |                       | 100                                   |                            |
| <b>Measurement in the Shed/Cones (Nearest 1 inch)</b>               |                       |                                       |                            |
| Inches off center in front                                          |                       | 25                                    |                            |
| Inches off center at rear                                           |                       | 25                                    |                            |
| Inches greater than 6" of the back (+/-2")<br>from center rear post |                       | 25                                    |                            |
|                                                                     |                       |                                       |                            |

TOTAL PENALTY POINTS

\*The contestant with the smallest number of penalty points will be the 1<sup>st</sup> place winner, the second smallest number will be the 2<sup>nd</sup> place winner, etc.

**Tie Breakers:**

1<sup>st</sup> Shortest Time without excessive speed

2<sup>nd</sup> Least amount of penalty points for Tractor Safety/Operation portion of the event