

COMPACT TRACTOR (ZERO TURN MOWER)

Contest Description: The event will consist of two parts:

Part 1 - Parts Identification will consist of 25 parts to identify.

Part 2 - Driving Portion consists of Compact Tractor Safety and Compact Tractor Operation. The scores from each part will be added. Lowest overall score wins.

Contest Superintendent: Randy Price

Award: 4-H Educational Trip

Sponsor: Louisiana 4-H Foundation and Educational Trip Donors

Age Requirement: Must have passed his/her 13th birthday and not passed his/her 20th birthday by January 1st of the current year.

Rules:

1. Each parish may enter two contestants.
2. The event will consist of two parts with a point value and time limit as follows:
 - a. Part 1 - Parts Identification will consist of 25 parts to identify. Each incorrect answer counts 4 points. This event will have a time limit of 20 minutes.
 - b. Part 2 - Driving Portion consists of Compact Tractor Safety and Compact Tractor Operation (See Attachment). The scores from each part will be added. Lowest overall score wins.
3. All contestants will compete on a statewide basis only (no elimination contest will be used).
4. A state winner, first alternate, and blue ribbon group will be at the discretion of the judges.
5. References will be identified April 1st.
6. The type of compact tractor will be identified in April. **This year it will change to a zero turn mower.** In the attached course, all dimensions are specified in tractor width. The course will be adjusted for the particular compact tractor once identified and on contest day.

NOTE:

No coaches or Extension agents will be permitted on the ground floor of the Parker Arena.

Contact with contest officials, other than the contest superintendent, will not be permitted in order to avoid a conflict of interests.



Compact Tractor Parts Identification Study List

Adjustable wrench
Air cleaner housing
Air filter
Air filter, dry filter type
Air filter, oil bath type
Air filter, oiled filter type
Air gauge
Allen wrench
Bearing
Box-end wrench
Camshaft
Chain saw blade
Coil
Combination wrench
Compression gauge
Condensor
Connecting rod
Connecting rod cap
Cotter pin
Crankcase breather
Crankcase cover
Crankshaft
Engine block
Engine crankcase
Engine head
Exhaust valve
Flat blade screwdriver
Flat file
Flat washer
Fly wheel
Fuel filter
Gravity feed carburetor
Head gasket
Hexagon head bolt
Intake valve
Lock washer
Mower blade
Muffler
Oil filter
Open-end wrench
Phillips screwdriver
Piston
Piston ring, compression
Piston ring, oil control
Pliers
Points
Push rod
Radiator cap
Ratchet
Shroud
Socket
Spark plug
Spark plug gauge
Spark plug wire
Square head bolt
Suction feed carburetor
Torque wrench
Valve spring
Wing nut
Wrist pin



Compact Tractor Score Sheet

Contestant's Number _____ Contestant's Name _____

Event No. IV – Compact Tractor Safety

Procedure: Each participant will be scored throughout the compact tractor operation portion of the event by a team of judges.

Scoring:	No. of Times	Penalty Pts
Prestart Check (Report each to safety judge)		
1. Failure to check fuel level		
2. Failure to check oil level		(25) _____
3. Failure to observe tire inflation		(25) _____
4. Failure to observe loose or missing parts		(25) _____
Starting Safety		
1. Failure to check neutral position	_____	(25) _____
2. Failure to disengage clutch while starting engine	_____	(50) _____
Driving Safety		
1. Failure to engage clutch gently	_____	(25) _____
2. Failure to ride on seat	_____	(100) _____
3. Skidding or spinning tractor wheels (scuffing of inside wheel on turning does not count as a skid). Skid of the front tractor wheel will not count until the skid equals or is greater than the width of the tire.	_____	(50) _____
Mounting and Dismounting Safety		
1. Failure to set brakes before dismounting (transmission set in park or locked position counts as brakes locked).	_____	(50) _____
2. Failure to bring tractor to complete stop before dismounting.	_____	(100) _____
Other Safety		
1. Smoking	_____	(100) _____
2. Extra riders	_____	(100) _____
3. Other unsafe practices	_____	(100) _____

TOTAL SAFETY PENALTY POINTS: _____



Compact Tractor Score Sheet

Contestant's Number _____ Contestant's Name _____

Event No. V – Compact Tractor Operation

(Course outline below)

Scoring	No. of Time	Penalty Pts.
1. Each stop or interruption in the continuous movement of the machine where not required by the course	_____	(10) _____
2. Each reverse change of direction other than necessary	_____	(10) _____
3. Each occurrence where any part of the machine extends over the boundaries of the course	_____	(10) _____
4. Each occurrence of hitting a marker	_____	(20) _____
5. Each occurrence of knocking a marker over	_____	(40) _____
6. Riding the clutch: Continuous	_____	(100) _____
On occasion	_____	(10) _____
7. Each grating of gears	_____	(10) _____
8. Each engine stall of raced	_____	(10) _____
9. Each failure to follow directions	_____	(5) _____
10. Each marker passed when operating outside of the the two inches allowed mowing around the curb.	_____	(10) _____

Measurements:

11. Inches (to the nearest inch) from the stop-stake over 1 inch (measured from the most forward part of the tractor).	_____	(2) _____
12. Inches (to the nearest ½ inch) the tractor is off center in the shed.	_____	(2) _____
Time in excess of 8 minutes, 100 points	_____	

TOTAL OPERATION PENALTY POINTS _____



Compact Tractor Course

