

Enhanced Farm Tractors

Also see GENERAL RULES, which apply for all classes and competitors

1. Tractor must have a stock agricultural engine block, with no visual engine modifications.
Engine must be original type or factory replacement.
All turbochargers (on factory equipped models) must be under the hood.
Original hood and grill must be in place.
No electric fuel pump unless stock factory equipment.
No water injection allowed.
Starter must be in place.
All wheels must be in place.
1960 and newer tractor must have PTO and hydraulics present or factory manufactured cover.
Fenders must be present on all 1960 and newer tractors.
2. All factory fuel tanks must be in place and in use on all farm stock classes.
An air cleaner with an element must be in place and in use on all farm stock classes.
3. Exhaust must discharge upward from the hood line, with a minimum pipe length of 18" or use a muffler.
Curved pipes must discharge forward or to the side, unless it is factory equipment that does not allow it to be turned.
A factory under slung exhaust system in working condition is also acceptable.
4. No add-on turbochargers or intercooler's allowed in 5,500 lbs. up to 9,500 lbs. classes.
Turbocharger must be the stock turbo for that model allowed in 5,500 lbs. up to 9,500 lbs. classes.
11,500 lbs., 13,500 lbs., and 15,500 lbs. classes are allowed any 3" in by 3" out turbocharger.
11,500 lbs., 13,500 lbs., and 15,500 lbs. classes are allowed any "A" pump on any tractor.
"A" pump tractors allowed a belt-driven pump or gear-driven pump, but NO Electric push pumps.
5. Weight classes and the maximum horsepower ratings as taken from www.tractordata.com
4,000 lbs. - Max PTO HP 35 - Maximum 299 Factory Cubic Inch Limit.
4,500 & 5,500 lbs. & 6,500 lbs. - max PTO HP 65

7,500 lbs. - max PTO HP 85

9,500 lbs. - max PTO HP 105

11,500 lbs., 13,500 lbs. & 15,500 lbs. - max PTO HP 200

Note: A dynamometer can be used at our discretion.

6. Contest open to two wheel drive tractors with rubber tires.
(no sharpened/cut tires, no dual tires, no tire studs or chains permitted).
Four-wheel drive tractors allowed if front wheels are disengaged.
7. Drawbar is to be stationary in all directions with no more than 1" of movement in any one direction.

Maximum height of drawbar to be 20".

Length of Drawbar (from center of rear axle to hooking point) to be no less than:
18 inches for 4000-4500-5500-6500 lbs. classes.

24 inches for 7500-9500-11500-13500-15500 lbs. Classes.

Drawbar must be equipped with a steel-hitching device minimum 1/2" thickness, maximum 1" thickness.

Hitch must have a minimum (3 inches wide by 3-3/4 inches long) opening.

Cross sectional thickness must be 7/8" minimum.

Pulling point may not be more than 1 1/4" from back edge of hitching device.

NPJ suggests fastening the hitching device with one 7/8" or two 5/8" grade 5 bolt or bolts.

No top bracing except complete factory setup.

No quick hitch type adapters allowed on tractors.

No vertical hitches or upright clevises allowed.

A twist clevis is permitted if large enough and securely fastened to drawbar so it does not move.

IF YOU ARE UNSURE IF YOUR HITCH WILL MEET REQUIREMENTS, ASK TECH OFFICIALS ASAP.

8. No portion of tractor or ballast may interfere with sled or sled hitch during pull.

9. No weight frame or weight may extend more than 24" beyond the forward most point of the tractor.

All weight frames and weights must be stationary and safely secured to the tractor.

Weights and brackets must not extend rearward beyond the rear tires

No weights may be located in a position, which could hinder safe operation of the tractor.

No weights on the drivers seat.

No weights or brackets may exceed in width 12" beyond the tires.

Any ballast or external parts lost while hooked to the sled under green flag will be cause for disqualification. Internal parts excepted.

No weights or brackets to be closer than 8" to the drawbar point of hook.

10. All tractors must be equipped with working rear wheel brakes.

11. Maximum allowable RPM's:

4,000 lbs. - 4,500 lbs. - 5,500 lbs. - 6,500 lbs. - 7,500 lbs. & 9,500 lbs. classes limited to 2,800 RPM

11,500 lbs., 13,500 lbs., & 15,500 lbs. classes limited to 3,000 RPM

All John Deere 2 cylinders are limited to 1,500 RPM

Any tractor with a factory RPM rating in excess of limits outlined here, will be allowed to run at FACTORY RPM'S plus 10% as determined by tractordata.com

12. The 75 foot foul line is in effect: if a competitor makes an attempt at a pass and is 'over-pace' but still short of the foul-line, the competitor can elect to stop there

and immediately follow the weight transfer sled back to the start line for a second and final attempt.

13. During a pull the governor must be in working condition and must not allow the engine to exceed max allowed rpm under load.
14. Any rotating PTO shaft that cannot be stopped by the driver's hand must be shielded.
15. All stock tractors must be tech inspected before being allowed to hook and compete. After a tractor has been inspected and passed, a stock tractor tech form must be signed by the tech inspector and the driver.
16. The use of torque converters, automatic shifts, etc. will be permitted if original factory equipment for make and model being entered. No slipper clutches allowed.
17. 11,500 and 13,500 Enhanced will be run at a 16 mph pace.

*****All interpretation of these rules lies with Lorah's Truck Pulls Tech Officials and their decision is final.*****