

# 2024 KPP FARM STOCK TRACTOR RULES

- 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.  
Starter must be in place.  
All wheels must be in place.  
1960 and newer tractor must have PTO and hydraulics present or have factory manufactured cover in place. **FENDERS ARE REQUIRED FOR CLASSES 9,500 to 15,500 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 with a minimum pipe length of 18" from the hood line 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 underslung exhaust system in working condition is also acceptable.
- 4.** No add-on turbochargers or intercoolers 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.
- 5.** Weight classes and the maximum horsepower ratings as taken from [www.tractordata.com](http://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
- 6.** Maximum usable tire sizes for farm stock classes are as follows:
  - 4,000 & 4,500 lbs. - 14.9x26 or 13.6x38 or 12.4x42
  - 5,500 lbs. & 6,500 lbs. - 18.4x28 or 16.9x38
  - 7,500 lbs. - 18.4x38
  - 9,500 lbs. - 23.1x26 or 20.8x38 or 18.4x42
  - 11,500 lbs., 13,500 lbs., & 15,500 lbs. - Max Width of 24.5"
- 7.** 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.
- 8.** 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 more 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.**

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

**10.** 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 driver's seat.
- No weights or brackets may exceed in width 12" beyond the tires.
- Any ballast or external parts lost while hooked to the sled will be cause for disqualification. Internal parts excepted.
- No weights or brackets to be closer than 8" to the drawbar point of hook.

**11.** All tractors must be equipped with working rear wheel brakes.

**12.** Maximum allowable RPM's:

- 4,000 lbs. - 4,500 lbs. - 5,500 lbs. - 6,500 lbs. classes limited to 2,200 RPM
- 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
- PLEASE NOTE: 6500 lbs. class tractors must remain at 2200 RPM if also running in the 7500 lbs. class.

**13.** FARM STOCK PACE SPEEDS AS FOLLOWS:

5,500 - 6,500 - 7,500 lbs. at 4 MPH and under

9,500 - 11,500 - 13,500 - 15,500 lbs. At 8 MPH and Under

**14.** During a pull the governor must be in working condition and must not allow the engine to exceed max allowed rpm under load.

- 15.** Any rotating PTO shaft that cannot be stopped by the driver's hand must be shielded.
- 16.** 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.
- 17.** Farm Stock tractors can compete in no more than two (2) classes with that particular tractor. The number of hooks is subject to change due to time constraints, puller turn-out, weather conditions, etc.
- 18.** The use of torque converters, automatic shifts, etc. will be permitted if the original factory equipment for make and model being entered. No slipper clutches allowed.