

# **10,000# Farm Stock Plus Tractors**

**Rules Apply 2022-2023-2024 Seasons**

**Purpose:** To build an entry Tractor class that is appealing to our spectator. That will enable the TTPA to promote a wider verity of options to our promoter. Build an entertaining class that is affordable to someone that would like to start with an entry level farm Class.

**Scope:** To encompass a wide array of pullers that will build and encourage new and younger pullers to get involved in the sport of pulling without taking on an huge up-front cost.

**Note:** All other class rules shall refer to Farm Tractor General Rules and/or TTPA general rules except as specifically noted above.

If our rules don't identify something you may want, DO NOT Assume and Ask Later as you will be in violation of the TTPA disqualification General Rules. The TTPA Board of Directors must approve Any & All requested changes.

## **Engine / Drive Train Specifications:**

1. Engine means: Engine Block, Engine Heads, Cylinder, and Crankcase.
  - a. With turbo charger 407 C.I. and 510 C.I. without turbo charger, Maximum Limits.
  - b. Engine cannot be de-cubic inched down to meet cubic inch limit
2. No slipper / centrifugal clutches allowed.
3. All External components will be factory original, or stock to the eye.
4. All components must bolt on in the original locations from the manufacturer, without modification.
5. Engines may be swapped for like engines. Example: Oliver 1500 may use an Oliver 1850 engine; International 806 may use an 856 engine. John Deere 4010 may use a 4320 engine.
  - a. Tractor must maintain factory style injection pump for that make & model.
6. Heads must be OEM for make & model.
7. Electric water pumps not allowed.
8. OEM Agricultural Manifolds Only. With modifications for turbo mounting only.
9. Steel flywheel or blanket.

## **Fuels:**

1. Diesel fuels only. Biodiesel permitted.
2. No pressurized fuels allowed. Example LP gas.
3. No nitrous allowed.
4. No nitrous paraphneilia allowed on tractor. Functional or non-functional.
5. No Fuel fogging allowed. Period!

6. No ice or ice injection allowed or injected into any part of the fuel system, intake manifold, radiator, or any engine compartments. No ice period, anywhere on the tractor.
7. Water Injection is NOT allowed.
8. All fuel lines must be visible.
9. Lift pumps are allowed.

### **Engine RPM's:**

1. 2850 Maximum RPM for this class.
2. Mandatory working governor – will be RPM checked by TTPA Tech Official
3. Rpm's cannot be regulated (adjusted) off the hand and or foot throttle. All adjustments must be made from off the tractor at the pump.
4. The TTPA Tech. & TTPA officials have the authority to pull the throttle for all Tech. / RPM checks.
5. The owner / Driver are responsible for placing reflective tape on his/her flywheel / harmonic balancer for the RPM tech. Check.
6. All tractors must be equipped with a Tach. Trigger (the same as the 8000DPS and the V8 Hotrod).

### **Pump**

1. Stock appearing pump for that make and model.
  - a. NO P- pumps.
2. No electronic/common-rail injection systems allowed.
3. 1 - OEM Lift Pump maximum for that make & model. All lift pumps to be driven from OEM factory driven location.

### **Turbo's**

1. One T04 or one 3LM 193876 (NO equivalents allowed). 7 Blade Compressor Wheel only. Casting #693613 Compressor Cover & Casting #685862 Turbine Housing.
2. No modifications to turbo allowed.
3. No inter-coolers allowed.
4. Crossover Pipe must be shortest distance from turbo to intake inlet with maximum diameter no longer than stock intake inlet.
5. Buy out of Turbo's allowed between contestants in this class (\$1200.00).

### **Tractor OEM Stock**

1. Hood, Grill, Frame, Transmission. Must be stock appearing for that make and model.
  - a. No Side Shields Allowed.
2. Hitch to be located no higher than 20" at hook point and no less than 18" from centerline of rear axle.
  - a. Hitch must be rigid in all directions
  - b. Hitch must meet TTPA spec to fit NASOA hook.

- c. Drawbar must be equipped with steel hitch no less than one inch thick with a opening of 3"WX3-5/8"-3-3/4"L and so that the Sled Hook will drop in and swing front to back without contracting any other metal. Hitch needs front catch tab. Refer to current hitch drawing.
  - d. Hitch mount gussets and attachment points may be no higher than rear axle centerline and no farther forward than clutch bell housing.
  - e. No Clevis's Allowed.
  - f. 10° maximum hitch angle.
3. Homemade front Axles are not allowed.
  4. OEM or Stock wide fronts and narrow front ends are both allowed if they are OEM.
  5. Three point hitches are allowed on the tractor. However, weight must not interfere with hitch point.
  6. Brakes must be as good as original or better.
  7. Weights must not exceed rearward beyond the back of the rear tire, and cannot exceed 11 feet forward beyond the centerline of the rear axle. No three point weight brackets allowed.
  8. No differential locks will be allowed in competition, and shall be deactivated at all times.
  9. Tractor frame or chassis cannot be altered in any way (Lengthen or shorten or width).

### **Tires and Rims:**

1. Rear Tire – Maximum 18.4-38.
2. Bias or radial rear tires allowed.
3. Pressed steel wheels permitted.
4. Front Tire – any size farm tire.
5. No cut tires allowed.

### **Safety:**

1. Wheelie bars – Must meet TTPA rule.
2. Steel fans must be shrouded so the blades cannot be seen when standing perpendicular to the edge of the shroud. Electric fans allowed.
3. Must have factory appearing fenders. Must support weight of driver.
4. Must have (working) 2.5 LB, Fire Extinguisher (easy access for & by Driver).
5. All tractors must have a working air shut off switch. Suggested for 2014 and mandatory for 2015.
6. All tractors must have a secondary shut off accessible from the driver's seat.

### **Drivers:**

1. Driver must be 14 years old, with written parental consent.
2. Drivers will drive at their own risk.

### **COMPETITION:**

1. No age limit on eligible tractors.
2. Open to any 2wd row-crop tractor except as limited by the following. No FWD can be engaged, and no positive traction can be engaged.

3. Speed limit is 10.0 mph Maximum.
4. First 100' is free to adjust speed.
5. Only three beeps after 100' mark. Third (3<sup>rd</sup>) beep results in automatic disqualification. (Flagman's discretion).
6. On-board GPS, ground-radar, or ground wheel to track speeds is permitted.
7. Test puller as determined by random draw and defined as first puller in class order or next in order pending any and all sled resets may turn down pass before leaving track and return immediately or come back in the last position.
8. All other class rules shall refer to Farm Tractor General Rules and/or TTPA general rules except as specifically noted above.

**Tech. Officials are:** Divisional rep. & TTPA appointed Tech. Official.

**Note: All rules are in place for three (3) years ending of 2024.**

**Rules may be changed at anytime for safety, if so desired by the TTPA Board. A non-safety rule can be changed if, 100% of "paid, active & current pulling membership of the class" agrees, and the board gives unanimous approval.**

Note: The following rules are considered "maximum limitations" for the #10,000 Entry level Farm Class Tractor's that pull in this class.

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Rules approved by the Board on 01/28/2012 ~ 1<sup>st</sup> Reading & 2<sup>nd</sup> Reading on 02/25/2012

Revisions made and 2<sup>nd</sup> reading approved- January 2013.

Revisions ~ Added Fuels #8 ~ All fuel lines must be visible & #9 ~ No electric fuel pumps, Added Safety #5 ~ Must have working shut off switch. Approved 10/26/2013 ~ 1<sup>st</sup> Reading & 12/19/2013 ~ 2<sup>nd</sup> Reading

Revisions ~ Deleted Engines Drive Train Specs #2 ~ All internal components OEM & 3 ~ Trans, drive train, gears, & clutches OEM, Added #7-A ~ Must maintain factor style injection pump, & #10 ~ w/modifications for turbo mount only, Deleted Engine RPM #6 ~ Reflective on tractor for tech, Added Pump #1 ~ for that & #3 ~ 1-OEM max for make & model & Deleted #1 ~ rotary or A & #3 ~ Only, Deleted Turbo's #1 ~ or equivalent & #4 OEM & only & Added #4 ~ shortest distance from turbo to intake, Deleted Tractors OEM Stock #1 ~ Rear Axle, Clutches, Brakes and dimensional & #6 ~ OEM Aftermarket brake not allowed, Safety Deleted #3 ~ OEM & Added #2 ~ Electric fans allowed & #3 ~ Must support weight of driver, Drivers #1 ~ Must be 14 or older, All Rules for 3 years. Class Approved 10/24/2015. Board Approved ~ 1<sup>st</sup> Reading ~ 10/24/2015 & 2<sup>nd</sup> Reading 01/30/2016.

Revisions ~ Added #9 to Engines Drive Train ~ By 2021 certified flywheel is mandatory, Added to #3 Pumps ~ All lift pumps to be driven from OEM factory driven location, Added #2-F Tractor OEM Stock ~ 10° maximum hitch angle, Rules in place thru post 2021. Class Approved ~ 10/07/2018 ~ Board Approved 1<sup>st</sup> Reading ~ 10/20/18 & 2<sup>nd</sup> Reading ~ 11/00/2018.

Revision ~ Changed Class Name to 10,000# Farm Stock Plus, Engine Rule #9 ~ Took out certified flywheel added steel flywheel or blanket, Fuel Rule #9 ~ Lift pumps allowed, Safety #6 ~ Secondary shutoff accessible from driver's seat. Class Approved ~ February 2022 ~ Board Approved ~ 1<sup>st</sup> Reading ~ 02/19/2022 & 2<sup>nd</sup> Reading ~ 03/27/2022 Rules through post 2024.

Revision ~ Add 193876 3LM Turbo, 7 Blade Wheel only, Part # 693616 Compressor Cover, & Part # 685862 Turbine Housing to Turbo Rule #1. Class Approved to change Turbo Rule #5 from \$650.00 to \$1200.00. Board Approved 03/04/2023 & 04/22/2023.

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