

Too Hot to Farm Class

2015, 2016 & 2017 rules (MATPA rules are updated and voted on by the membership every three years, with the exception of safety measures, which may be implemented by the board at any time.)

(* changes made 10/22/14)

This is not a stock farm class. Stock farm tractors do not have the power or the safety equipment required to pull these classes. These tractors are modified for both performance and safety. The emphasis on these classes is for safety and no exceptions for safety will be allowed.

WEIGHT CLASSES AND SPEED:

12.5 MPH – 6500, 7500, 9500, 10500

Unlimited Speed – 9500, 10500

ENGINES:

- Any block of any vintage is allowed. This block does not have to match the make or model of the tractor.
- Any diesel engine, intercoolers, and water injection allowed.
- Gasoline engine must be carbureted rather than injected.
- Up-, down-, and side-draft carburetors of any size are acceptable.

INJECTION PUMPS:

- Simms A-pump, Bosch A-pump, Bosch model 100, or P-series pump allowed.
- Any tractor that originally came with a Rossa-master pump will be allowed to run that pump or to change to any of the above pumps.
- No sigma pumps allowed.

TURBO CHARGERS:

- Only one turbo will be allowed per tractor.
- UNLIMITED SPEED CLASS ONLY: Turbo will be either a 3LM-466 with up to a 2.66 intake and a 3” exhaust or a Borg Werner Schwitzer S-300 with a 2.66 intake and a 3” exhaust. This turbo part number will be 177281 or 177275. No machining of the exhaust will be allowed. No reducers will be allowed on the compressors.

RPM:

- Maximum RPM is 3000 with a 5% variance.
- Must have positive throttle stop on all injection pumps and carburetors.

RIMS:

- Only steel rims of any width are allowed on the rear of tractor.
- Front aluminum rims are allowed on the steering axle.

TIRES:

- Maximum tire size will be 20.8x38 or 18.4x42 bias or radial.
- No cut tires will be allowed.

SHEET METAL:

- Sheet metal must be stock appearing with modifications for exhaust, turbo, intake, and safety allowed. Minor modifications for fit and finish will be acceptable.
- Fiberglass and aluminum replacement panels and nose pieces are allowed.

DRAWBAR:

- 20" drawbar height; drawbar length can be no shorter than 18" from the center of the rear axle to the point of hook.
- Drawbar must have a minimum of a 3.5" hole.
- Drawbar shall be constructed so that in the event of breakage, the drawbar supports do not pull from the top link above the centerline of the rear axle of the tractor.
- Absolutely no clevis is allowed; hook point must be stationary.

FRONT AXLE:

- No narrow front tractors are allowed; wide front ends only.
- Homemade front axles are allowed.
- Front tires must run in the same track as the rear tires travel.
- Front axle placement must be within +/-1ft. of factory placement.
- Front ski bars are allowed, but are not mandatory.

FRAMES:

- Cast tubs can be replaced with steel frame rails.
- No open flywheels.
- If flywheel area is not factory enclosed, it must have 3/8" steel banding covering the flywheel and clutch.
- Scatter blankets are allowed.

WEIGHT BRACKET WILL FOLLOW THE GENERAL RULES.

SAFETY

- RPM – 3000 +/- 5%
- Weld-on hubs recommended for 12.5 MPH; MANDATORY for Unlimited Class. Exception will be a non-removable factory hub (i.e. 180 AC, Ford 7000, or tractors with factory cast center); this does not include a factory 9-10 bolt hub. Also, there will be exceptions for steel bushing hubs that are not weld on.
- All tractors must have a guillotine air shut-off mounted on intake side of the turbo charger; must have non-collapsible tube between guillotine and turbo.
 - No flip caps are allowed as air shut-off.
 - Air shut-off must be spring loaded to assist in the closing of the shut-off.
- All tractors must have a 2-inch ring mounted as near the center of the rear of the tractor as possible, which will operate the guillotine.
 - This must be in clear view, unobstructed by weights or other objects; and not attached to the driver's seat.
- All tractors must be equipped with a dead-man throttle.
- All tractors must be equipped with a working ABC-type fire extinguisher within reach of driver or ground crew.
- Tip-over (wheelie) bars are mandatory.
 - Maximum of 10" high and a minimum of 20" apart, protruding past the radius of the rear tires.
 - A 5"x5" flat pad minimum will be attached to the bottom of the tip-over bars.
 - No rolling wheels on tip-over bars.
- All tractors must have fenders.
 - Fenders must support the weight of the driver.
 - Top of the fender must have no less than a 6" top.
- All tractors must have working breaks.
- All tractors must have two 3/8" bolts crossing in the exhaust in the event of a turbo breakage.

- Tractors running an engine-mounted fan shall have a shroud in place that will contain the fan in case of failure.
- Side shields and non-factory shrouds are allowed.
- Electric fans are recommended.

- ROPS
 - Mandatory on tractors running the Unlimited Speed Limit classes.
 - Recommended for the 12.5 MPH classes.
 - Are to be constructed of steel only.
- If an SFI Spec 47.1 roll cage or equivalent is used, a helmet and full fire suit must be worn.

- SEATBELTS
 - Mandatory on all tractors running the Unlimited Speed Limit classes.
 - Recommended on all tractors running the 12.5 MPH classes that have ROPS installed.

- All seats must have a minimum of an 8" backrest.

- No tractor will be eliminated for having additional safety equipment.