

11,500 lb. Altered Farm Tractor Rules

1. **SAFETY**

- a. Helmet and safety fire jacket required.
- b. Seatbelts mandatory.
- c. Tip over bars with squared off frame on rear of bars extending beyond the rear tire are required.
- d. ROLL CAGE MANDATORY IN 2011.
- e. Air shut off mandatory.
- f. Engine side shields mandatory.
- g. Working fire extinguisher mounted on tractor in a position that is easily accessible to driver from driver's seat is required.

2. **BODY**

- a. All tractors must have stock fenders.
- b. Stock appearing tractors including frame, chassis and sheet metal.
- c. Safety blanket allowed.
- d. Front and rear tires must track within the centerline of each other.
- e. Maximum wheelbase is 114" and the maximum length is 13' from the center of the rear wheel to the forward most part of the tractor including moveable weights.

3. **ENGINE**

- a. Diesel fuel only.
 - 1. No oxygen carriers or combustion accelerators.
 - 2. No Nitrous oxide, nitro methane or propylene oxide.
- b. Turbo chargers allowed (see specifics).
 - 1. 2.60" inlet max
 - 2. Slots allowed
- c. RPM box with 3000 rpm maximum.
- d. Water injection allowed.
 - 1. No combustible agents allowed in water injection.
 - 2. Water soluble pump tube is allowed.
- e. Stock intercoolers allowed with engine coolant only.
- f. 640 cubic inch limit for all tractors.
- g. Must use original make engine with original make tractor.
- h. Must use stock block, OEM cylinder heads and manifolds.
- i. Throttle must return to the closed position when released.

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- j. "Dead Man's Throttle" spring must be mounted on injection pump.
- k. No exposed turbo chargers.
- l. **P pump allowed only if it came from the manufacturer.** A novice puller/tractor may pull at an event only if there is not any other class available at the event and this is only allowed three times. The 3000 rpm limit will be checked and the other rules waived.
- m. Turbo size will be checked and may be spot checked at any pull during the season.
- n. Must have two, 3/8" minimum, grade 5 or better, cross bolts in vertical position of the exhaust pipe. Bolts to be installed 90° to each other and within 1" of each other.

4. TIRES

- a. Max width of 24.5" allowed.
- b. No front cut tires allowed.

5. HITCH

- a. Hitch height must be 20" or less.
- b. No third link hitch support allowed.
- c. No weights carried on three point hitch.
- d. No weights carried on brackets above hitch. Hitch must have clear access for hooking and unhooking.

6. TURBOS

- a. A maximum of 2.6" intake and 3.3" exhaust is allowed.
- b. Altering of turbo housing to accommodate a smaller foot or base is not permitted.
- c. Exhaust housing and exhaust manifold bolt pattern shall be no larger than 2.75" x 3.5" (T-04 base max).

7. INTAKE

- a. No slugs allowed.
- b. Map width enhancements (slots) are allowed.
- c. Intake housing is to be no larger than 2.6" at the face of the wheel.

8. EXHAUST

- a. All air must exit through the 3.3" opening.
- b. Turbine wheel exhaust blade is to be no larger than 3.15" in diameter measured at the intersection of the turbine wheel face and the tip diameter.
- c. Turbine housing to be no larger than 3.3" measured at the intersection of the turbine wheel face and the tip diameter.
- d. No waste gates are permitted.
- e. No variable geometric turbos are allowed.