

## 9300lb SUPER FARM TRACTOR

### Engines (ANY ILLEGAL ALTERATIONS WILL RESULT IN A ONE (1) CALENDAR YEAR PLUS 1 DAY EXPULSION FROM DATE OF INCIDENT)

- a. Cubic limit of 640 CID with 1% tolerance
- b. Stock engine block or OEM block that will operate with the stock crankshaft for that model without alterations for chassis mounting. Mount to rear with no modification
- c. Engine block must remain in the original location as located by the manufacturer. Engine block bolted solid to rear-end housing with no movement allowed
- d. Stock transmission housing or manufacturer's replacement and stock final drive housing or manufacturer's replacement
- e. OEM engine block cannot be modified externally except for normal repair or mounting of fuel injection pumps
- f. OEM cylinder head required with a maximum of two valves per cylinder. No overhead cam
- g. One fuel pump no larger than a 'P' series or single fuel delivery device with one outlet per engine cylinder
- h. (No Nitrous Oxide or fuel conversions, no propane, or nitro methane)
- i. No oxygen carries or combustion accelerators allowed; no methanol or alcohol
- j. Either aid allowed but, no can on tractor during pull
- k. Diesel fuel only in all diesel class. No pressurized fuel
- l. Water injection allowed
- m. No combustible agents allowed in water injection
- n. All exhaust systems must discharge vertically and be securely attached
- o. Stock OEM intake manifold for that series engine. Alternation for inlet hole size or location allowed. No other alterations. Maximum hole size 3 ½ inches.
- p. OEM exhausts manifold assembly for that series engine. No altered or modified manifolds (no tubing or box type manifolds)
- q. Complete OEM manifold

### Computers

Computers allowed for Acquisition of data only. No controlling features

### Drawbars

- r. Drawbar lengths are measured from the center of the rear wheels to the point of the hook
  - \* Drawbar height 20- inches maximum
  - \* Drawbar length 18-inches minimum
- s. Drawbars must be rigid, with no movement allowed  
Drawbar pivot pin must be in the same plane as the hitch point and parallel to the ground, within 1 ½-inches plus or minus. Max allowed angle is 10 degrees

### Weights

- t. Weights must not extend rearward beyond rear tires
- u. Weights must not interfere with the kill switch, drawbar, or chain  
Vehicle will be weighed with driver

### Tires

- v. 24.5 X 32 tire size. NO RADIALS
- w. Any width rim allowed
- x. No dual wheels
- y. Rear cast wheel hubs must have a secondary support

### Misc

- z. 3x3 Turbo Charger
- aa. An Exhaust Housing bolt pattern of no larger than 2.750 inches x 3.5 inches

- bb. No altering of the turbo exhaust housing to accommodate a smaller base; e.g. T-18A95 with a small base welded to it.
- cc. Waste gated, although the waste gate must be securely closed off. No reroute tubes will be allowed for exhaust to escape around exhaust bore of housing.
  - 1. No exhaust housing slots or grooves permitted.
  - 2. No reducer rings slid forward to allow any exhaust to bypass.
  - 3. All exhaust on waste gated housings must pass through the three (3) inch exhaust bore. No exhaust will be allowed to bypass the three (3) inch exhaust-housing bore.
- dd. Reducer rings must be welded securely in place with no provisions for removal.
- ee. MWE enhancement grooves will be allowed – with .200 maximum groove widths (Size, width, etc.)
- ff. Turbocharged engines must have two (2) 3/8-inch bolts in the vertical portion of the exhaust pipe. Bolts are to be installed 90 degrees to each other within 1-inch of each other.

Turbocharger rules will be enforced by the tech official. Rulings by the tech official will be made based on tech official's interpretation rules.
- gg. Any infraction of the turbocharger rules will result in an automatic disqualification at that event with no points or premiums awarded. Any second violation will result in the competition vehicle being barred from any and all ORVTPA sanctioned events for a period of 1 calendar year and 30 days.
- hh. In case of rain out and/or if class is not finished split money and points evenly between pullers

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Super Farm Turbo Rule

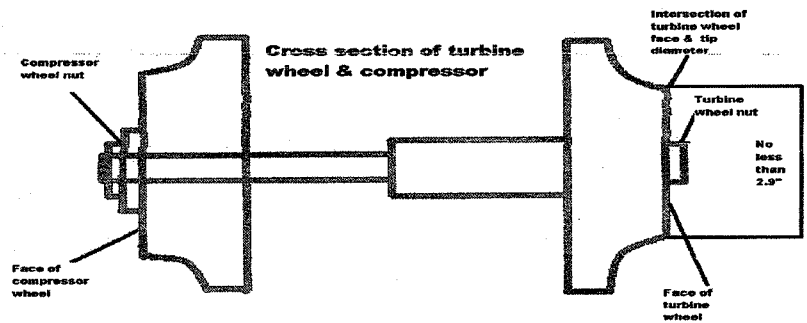
Intake –

- Intake housing to be no larger than 3" at the face of the wheel.
- Compressor wheel must protrude into 3" bore.
- Map width enhancement is allowed.

*100% less than bore*

Exhaust –

- Turbine wheel to be no less than 2.90" in diameter at intersection of turbine wheel face and tip diameter.
- Turbine housing to be no larger than 3" at intersection of turbine wheel face and tip diameter.
- All turbine wheel blades to protrude into 3" bore. All air must exit through 3" opening.
- Exhaust housing will be measured at intersection of turbine wheel face and tip diameter.



- No waste gates permitted.
- No variable geometry turbos.

- hh. Water, Nitrous, and Fuel can be protested at anytime
- ii. Lifetime band for nitrous and for propane

\*\* In case of rain out and/or if class is not finished split money and points evenly between pullers

\*\* 8500 Pro Farm class can run for points must meet Super Farm rules, but they do not have any voting rights in the 9300 Super Farm class.