

# 2018 Battle of the Bluegrass Rules for Outlaw Super Stock Tractor

This class is a combination class of the following categories:

**Classic Super Stock Tractor, Super Farm Tractor, Light Weight Pro Stock Tractor, and Limited Pro Stock Tractor**

## **I. General Rules:**

All vehicles/drivers must comply with general rules.

## **II. Classic Super Stock Tractor Rules:**

**A.** Weight for Super Stock Tractor is 8500lbs.

**B.** Cubic inch

1. Diesel Engine-470
2. Two (2) Turbo Charger limit
3. No V-8 engines permitted.
4. A 1% tolerance will be given on cubic inch limitations to allow for normal engine wear.
5. All engines are subject to be checked for cubic inch limits at any time.

**C.** Cylinder Heads

1. Cast iron OEM cylinder heads only, cylinder head must match block.
2. Cylinder heads limited to (2) valves per cylinder.

**D.** No intercoolers and/or coolers allowed.

**E.** Rear of engine must be in stock location for make and model of rear end and transmission housing, maximum 1-inch adapter plate. Engine must be rigid to OEM transmission and rear end housing.

**F.** NO Component Tractors

**G.** No fuel injection pump larger than a 6 cylinder P-7100 series pump will be accepted.

**H.** Water injection allowed with oil-lubricant only, no additives allowed in injection water.

**I.** Frame

1. Maximum length 13 feet measured from center of rear axle to forward most point excluding tow hook.
2. Maximum wheelbase 114 inches
3. OEM tractor rear end and transmission housing only will be accepted, no component tractors allowed.

**J.** Hitch

1. Hitch will be no SHORTER than 18-inches measured from the center of the rear axle to the hooking point.
2. Maximum hitch height 20-inches.

**K.** Tires - Maximum tire size 30.5 x 32

**L. Fuel**

1. Acceptable fuel is diesel fuel only.
2. No oxygen carriers or combustion accelerators will be permitted.

**III. Super Farm Tractor Rules:**

**A. Weight for Super Farm Tractor is 9300lbs.**

**B. Cubic Inch**

Cubic limit of 640 CID with 1% tolerance.

**C. Engine Block**

1. 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.
2. 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.
3. Stock transmission housing or manufacturer's replacement and stock final drive housing or manufacturer's replacement. OEM engine block cannot be modified externally except for normal repair or mounting of fuel injection pumps.

**D. Cylinder Head**

OEM cylinder head required with a maximum of two valves per cylinder. No overhead cam.

**E. Fuel Pump**

One fuel pump, no larger than a 'P' series or single fuel delivery device with one outlet per engine cylinder.

**F. Fuel**

1. Diesel fuel only in all diesel class. NO pressurized fuel.
2. NO NITROUS OXIDE or fuel conversions, no propane, or nitro methane.

**G. No Oxygen carries or combustion accelerators allowed. No methanol or alcohol. Either aid allowed but, no can on tractor during pull.**

**H. Water Injection**

1. Water injection allowed.
2. No combustible agents allowed in water injection.

**I. Exhaust**

1. All Exhaust systems must discharge vertically and be securely attached.
2. OEM exhausts manifold assembly for that series engine. No altered or modified manifolds (no tubing or box type manifolds).

**J. Computers**

Computers allowed for Acquisitions of data only. No controlling features.

**K. Drawbars**

1. Drawbar lengths are measured from the center of the rear wheels to the point of the hook.
2. Drawbar height 20-inches maximum.

3. Drawbar length 18-inches minimum.
4. Drawbars must be rigid, with no movement allowed. Drawbar pivot pin must be in the same place as the hitch point and parallel to the ground, within 1 ½ inches Plus or minus. The maximum allowed angle is 10 degrees.

#### L. Turbos

1. 3x3 Turbo Charger.
2. An Exhaust Housing bolt pattern of no larger than 2.750 inches x 3.5inches.
3. No altering of the turbo exhaust housing to accommodate a smaller base; e.g. T-18A95 with a small base welded to it.
4. 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.
  - a. No exhaust housing slots or grooves permitted.
  - b. No reducer rings slid forward to allow any exhaust to bypass.
  - c. 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.
5. Reducer rings must be welded securely in place with no provisions for removal.
6. MVE enhancement grooves will be allowed – with .200 maximum groove widths (Size, width, etc.)
7. 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.

#### IV. Light Weight Pro Stock Rules:

**Light Pro Stock Tractors will run under Super Farm rules except for the following:**

- A. Weight for Light Weight Pro Stock Tractor is 8500lbs.
- B. Cubic Inch  
540 cubic inch limit with a 1% tolerance.
- C. One single turbo charger.
- D. P-Pumps no larger than P-3000 or P-7100 permitted. No aftermarket housings.
- E. Exhaust and intake headers are permitted.
- F. NO intercoolers.
- G. Engine block and head must be OEM.

#### V. Limited Pro Stock Rules:

**Limited Pro Stock Rules are the same as Light Weight Pro Stock except for the following:**

- A. Weight for Limited Pro Stock Tractor is 8500lbs.
- B. Maximum cubic inch limit is 640.
- C. Maximum turbo size is 4.1.