

## **WEIGHT**

Light & Limited Pro Stock Tractors: 8500lbs

Mod Turbo Tractors: 9200

Weight may be adjusted through the course of the season in order to keep the class competitive.

## **Tires**

Maximum tire size is 24.5 X 32. Double Cut Tires are permitted

## **Safety Eaiunment**

ALL TRACTORS are required to have the following approved safety equipment:

1. Driver's safety equipment shall consist of an S.F.I approved fire suite and a SNELL approved helmet.
2. Approved blanket or blow praof bell-housing required. The Blanket must be of sufficient size and length to completely cover the rear most part of the bell housing.
3. Clutch must be a high-performance type. Absolutely NO cast iron components allowed.
4. ROPS style roll over protection is required.
5. A five-point harness is require.
6. Approved kill switch is required.
7. Wheelie bars must support the weight of the tractor.
8. All tractors must have side shields
9. All tractors must have fenders
10. The use of front 'skid plates' is recommended and may be mandatory for 2019.
11. Only Three (3) Mechanical Drops per season per tractor will be allowed.

12. The USA-EAST ONE (1) "Dropped Hook" rule will apply to this class in 2018.

13. Hot Farm Tractors are permitted to "Bump Up" to this class in 2018 without prejudice.

14. All Tractors will have a "T" Valve/Petcock installed on the return line from the pump. This must be located as close as possible to the Injection pump and will be used to obtain a fuel sample.

#### LIMITED PRO TRACTORS at 8700 pounds

1. 540 cubic inch maximum

2. No overhead cams. No component rear ends. No aluminum heads. No Intercoolers.

3. Must use an OEM Style Cast Head and Block. No Billet or Aluminum. OEM Style stock head for the series of engine used is required. OPTION: A Re- Cast Head/block may be used but must remain within 1/2 of factory dimension specifications for the OEM head. No Billet or Aluminum recast heads/blocks.

4. Diesel is the only approved fuel - use of ALCOHOL is strictly prohibited in either the fuel or the water injection. Each tractor is subject to both fuel and water sampling at each event. Failure to submit to immediate testing will result in disqualification from that event and barring from competition for the remainder of the season.

5. Pressurized containers for fuel are not permitted.

6. Any tractor using a deck plate must be cube checked prior to the 1<sup>st</sup> day that the tractor is entered into competition by a certified official and at the full cost to the owner of the tractor. This may not be done on the same calendar day as competition!!

7. All tech inspection will occur on the ground not on the trailer...Unless necessitated by **inclement** weather.

8. Tractors are allowed a single (1) turbo charger with any manifold modifications necessary to the mount the turbo charger.

9. Limited Pro Stock G-Trim Max on Exhaust Side of Turbo (Limited to 4.5" Outlet

10. **Manifold** pressure may be a **single** stage only.

11. Legality of the injector pump by officials is based on the visual inspection of the outside housing and not the inner workings of the injector pump.

12. 'A' PUMP: Only one plunger per cylinder and one injector per cylinder are permitted. All 'A' pumps must be derived from the German Bosch design. Pumps must maintain stock dimensions. . Fuel pumps may not be girdled.

13. No sigma pumps OR MW pumps are permitted.

**SUPER FARM TRACTORS at 9500 pounds.**

1. 640 cubic inch maximum

2. No overhead cams. No component rear ends. No aluminum heads. intercoolers are permitted.

3. Must use an OEM Style Cast Head and Block. No Billet or Aluminum. OEM Style stock head for the series of engine used is required. OPTION: A Re- Cast Head/block may be used but must remain within '7" of factory dimension specifications for the OEM head. No Billet or Aluminum recast heads/blocks.

4. Any tractor using a deck plate must be cube checked prior to the 1st day that the tractor is entered into competition by a certified official and at the full cost to the owner of the tractor. This may not be done on the same calendar day as competition!!

5. Intake will be limited to a Maximum O.D. Size of 3.75" measured at the manifold attachment point with one inlet pipe only.

6. Diesel is the only approved fuel — use of ALCOHOL is strictly prohibited in either the fuel or the water injection. Each tractor is subject to both fuel and water sampling at each event. Failure to submit to immediate testing will result in disqualification from that event and barring from competition for the remainder of the season.

7. Turbo housing may not be altered to accommodate a smaller foot or base. Such as a T18 with a smaller foot or base welded to it.

8. All tech inspection will occur on the ground not on the trailer...Unless necessitated by inclement weather.

9. Exhaust housing bolt pattern shall be no larger than 2.75 x 3.5 inches.

10. INTAKE —

A. Intake housing to be no larger than 3" at the face of the wheel.

B. Compressor wheel tips must protrude into 3" bore.

C. Map width enhancement of .200" Maximum is permitted. Must be in OEM location

D. All Air flow must go through the turbo intake and map ring, no other air flow will be permitted IE. Drilled holes around the turbo intake

#### 11. EXHAUST —

A. Turbine wheel to be no less than 2.90" in diameter at intersection of turbine wheel face and tip diameter.

**B. Turbine** housing to be no larger than 3" at intersection of turbine wheel face and tip diameter.

C. All turbine wheel blades to protrude 1/8" into 3" bore. All air must exit through 3" opening.

D. Exhaust housing will be measured at intersection of turbine wheel face and tip diameter.

E. No waste gates permitted.

F. No variable geometric turbo charger permitted.

\*\*Tech Officials reserves the right to refuse any turbo charger that is in question based on the above specifications.

\*"Any 2<sup>nd</sup> turbo disqualification will lead to a year and ten day suspension.

12. P-pump with 1 plunger per cylinder. No sigma pumps OR MW pumps are permitted. Pumps must maintain stock dimensions. Fuel pumps may not be girdled.