

## Jacktown Fair 2023 Tractor Pull Rules

### General Rules for All Tractor Classes

- Everyone entering pit area must pay pit fee, sign insurance roster and display arm band at all times. Contestants will receive credit for pit pass against first entry fee.
- No alcoholic beverages on fairgrounds. Any participant will be disqualified from pull if believed to be a safety hazard and will be barred with no refund of entry fee.
- ONLY the driver will be permitted on a vehicle when it is being towed or driven. No rider in or on any vehicle, in pit, or track. This includes tow tractors, competing vehicles, tow back and maintenance equipment of any kind. When the pulling vehicle's motor is running the driver must be in the seat. Driver must remain seated and have at least one hand on the wheel at all times.
- No one is permitted on the track except for track officials and contestants. Track is defined as the area within 25 feet in any direction of the contest course boundaries, including the run-off area at the finish end of the track.
- All contestants must weigh-in prior to competition and may be subject to re-weigh and dyno check at any time.
- All weight frames and weights must be stationary and safely secured to the tractor.
- All tractors must have wheel brakes in working condition.
- Any rotating power take-off, if unable to be stopped by the driver, must be shielded.
- No drivers under 14 years of age. Any driver up to 18 years of age must have written consent from parent or guardian who must be present.
- Contestant must provide clevis or other steel hitch. Stationary hitch required with no more than 1" movement in any direction and with maximum height of 20" on dirt to top of hitch. Drawbar may NOT be less than 18 from center of the rear axle, not more than 1" in thickness and must have a 3.5" diameter opening to accept the sled hook. Pulling point may not be more than 1 ½" from back edge of hitching device.
- The starting pull will be made from a tight chain with no jerking.
- Contestant will not begin pull until green flags are displayed by each track official.
- Each contestant will be given one try to pull the load, with second try granted if vehicle stops before front of sled passes 75 foot mark on first try.
- Any protest must be made by a puller in the same class, made to an on-track official, and made before the protested vehicle exits the track. Both the protested & the protester's vehicles will be checked. ALL DECISIONS BY TRACK JUDGE, SUPERINTENDENT, AND OFFICIALS ARE FINAL.
- Anyone not abiding by above rules or creating a disturbance shall be subject to disqualification and ejection from the fairgrounds. NO REFUNDS.

### Field Farm Stock Tractors

- Tractors must be two-wheel drive, stock block agricultural tractors with no visual engine modifications and rubber tires. Engine must be of original type or factory replacement. Original style hood and grille must be in place. No tube or modified frames.
- Weight Classes – 5,500#, 7,500#, 9,500#, 11,500#, 13500#
- Speed Limit – 5,500# & 7,500# at 4 MPH, 9,500# at 5 MPH, & 11,500# & 13,500# at 6 MPH – Disqualification after 100' on 1 horn by sled operator.

- Tires – No cut tires or dual tires. No larger than 18.4 x 38 for 5,500#, 7,500# & 9,500#. No rims wider than tire width.
- Intake – No water, alcohol, or other accelerant.
- Turbocharger – Limited to factory equipment.
- RPM – Limited to 3000 RPM with random checks at discretion of judges.
- Tractors competing in Field Farm Stock classes may not compete in Open Farm Stock classes.

### **Open Farm Stock Tractors**

- Tractors must be two-wheel drive, stock block agricultural tractors with no visual engine modifications and rubber tires. Engine must be of original type or factory replacement. Original style hood and grille must be in place. No tube or modified frames.
- Weight Classes – 5,500#, 7,500#, 9,500#, 11,500#, 13,500#
- Speed Limit – None
- Tires – No size limit. No dual tires. Cut tires permitted.
- Intake – No water, alcohol or other accelerant.
- Turbocharger – Limited to single turbocharger no larger than 3 X 3.
- RPM – Limited to 3000 RPM with random checks at discretion of judges.
- Tractors competing in Open Farm Stock classes may not compete in any Field Farm Stock classes.

### **Hot Farm Tractors**

- All 'Hot Farm' tractors must be stock appearing agricultural tractors. All hoods, grills, fenders and frame must be stock appearing for make and model being pulled. Tractor must have a stock block or its factory replacement. OEM Stock Head. No Re-Cast Blocks/Heads. Intake spacer no greater than 1". 600 Cubic Inch Maximum. Diesel is the only acceptable fuel.
- A wide front-end is required.
- No pressurized fuel tanks are permitted.
- Water for cooling purposes of the turbo is permitted. No types of accelerants or oxygen extenders or the like are permitted.
- Tractors must be equipped with steel hitching device not more than 1.5" thick with a 3.5" diameter opening. Cross sectional thickness must be measured 1" min. to 1.5" max. Pulling point must not be more than 1.5" from back edge of the pulling device.
- Tractors must hitch to a stationary draw bar with a max. 20" height, and a minimum of 18" from the center of rear axle to the hitch point, a clevis is not permitted.
- Any loss of weights or excess fluids or any part of the tractor during the pull will result in a disqualification. Tarp straps are not allowed anywhere on the tractor.
- OEM stock intake and exhaust manifolds must be used for that series engine (alterations for turbo mounting ONLY are allowed). No recast pumps.
- 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. No Billet Pumps.
- 'A' PUMP: All 'A' pumps must be derived from the German Bosch design. An intercooler is allowed. Tractor weight will be 10,000 lbs. with a 3/LM/466 turbo.
- 'P' PUMP: No intercooler allowed. Tractor weight will be 9,500 lbs.
- No sigma pumps OR MW pumps are permitted. All Fuel Injection Pumps must maintain stock OEM Dimensions.

- A single turbo-charger ONLY is permitted with the following:
  - ✓ INTAKE –
    1. Intake housing to be no larger than 3.1" at the face of the wheel.
    2. Compressor wheel must protrude into 3" bore.
    3. Map width enhancement of .180" Maximum is permitted. Must be in OEM location.
    4. All Air flow must go through the turbo intake and map ring, no other air flow will be permitted, i.e. no drilled holes around the turbo intake.
  - ✓ EXHAUST –
    1. Turbine wheel to be no less than 3.0" in diameter at intersection of turbine wheel face and tip diameter.
    2. Turbine housing to be no larger than 3" at intersection of turbine wheel face and tip diameter.
    3. All turbine wheel blades to protrude into 3" bore. All air must exit through 3" opening.
    4. Exhaust housing will be measured at intersection of turbine wheel face and tip diameter.
  - ✓ No waste gates permitted. No variable geometric turbochargers permitted. No clipping of turbo wheels to allow larger wheel in a smaller housing.
- 20.8" X 38" tires the largest allowed with cut tires permitted.
- All tractors must have wheelie bars that are able to support the weight of the tractor
- Front skid bars are required. Secondary hitch is required.
- Front weights may not extend more than 13' from center of rear axle to the front of weights. Rear weights may not extend more than 6" past rear tires, and may not interfere with hooking device or ability to hook and unhook the tractor from the sled.
- SAFETY EQUIPMENT:
  - ✓ Tractors must have steel engine side shields.
  - ✓ Must run springs on Pump and have a dead-man throttle.
  - ✓ Tractors must use an approved blanket on the transmission and clutch area.
  - ✓ All engine fans must be shrouded with factory shroud or 1/16" thick steel shroud.
  - ✓ All tractors must have a safety kill switch or an air shut-off .
  - ✓ Each tractor must have a 2.5 lb. dry chemical fire extinguisher accessible to the driver while operating the tractor.
  - ✓ Each tractor must have at a minimum of a factory R.O.P.S. system capable of supporting the tractor at its heaviest weight class.
  - ✓ The exhaust MUST discharge vertically and MUST have two (2) Grade 5 cross bolts (3/8") in the exhaust elbow or pipe. Bolts must be installed 90 degrees to each other and within one (1) inch of each other as close to turbo as possible.
  - ✓ Driver must wear a motor sport designed helmet. (Snell 80 or higher).
  - ✓ Driver must be a minimum of 18 years of age to pull in this class or if ages 16 or 17 must present a signed and notarized statement of permission from a parent or legal guardian, who must be present.
  - ✓ All drivers must wear leather shoes, long pants, fire jacket and gloves.
  - ✓ No more than one person is permitted on the tractor at any time.
  - ✓ Driver must remain seated and have at least one hand on the wheel at all times. Driver may not leave the seat of the tractor while it is running.

- ✓ All diesel-powered competition vehicles will have a fuel sampling valve (closest to injection pump) on the return line from the fuel injection pump to be used in obtaining a fuel sample. The sampling valve needs to have a flexible hose. Diesel engine needs to be running when the fuel sample is obtained.
- ✓ All diesel-powered competition vehicles will have a water injection sampling valve. If no valve exists, the tank line will be unfastened to attain a sample. All fluids are subject to diagnostic screening.