

**2024 St. Joseph County fair farm stock tractor pull rules**

**Tuesday September 17th 2024**

**Tech to start at 4:00pm**

**First hook at 7:00pm**

**Questions contact Doug Brazo (269)-625-1986**

**Classes:**

**8,000 lb farm stock**

**10,000 lb farm stock**

**12,000 lb farm stock**

**15,000 lb farm stock**

**18,000 lb farm stock**

**Open weight limit farm stock**

**12,000 lb fast too hot to farm**

**NATPA legends**

**Stock Semi**

**Modified 4.1 Semi**

**GENERAL RULES:**

- Floating finish.
- 75' rule.
- Test puller will be the first puller in the class.
- No passengers allowed in vehicle while pulling.
- Any object becoming loose from the pulling vehicle and landing on the pulling surface will cause disqualification from the class. This excludes parts in the event of vehicle breakage.
- Double hooking is allowed with a different driver
- Pulling order will be determined by the driver drawing a number at the time the entry fee is paid. Late entries will pull last in class.
- A drivers meeting will be held prior to start of event. All drivers are required to attend.
- All pulls must start with a tight chain.
- If the sled requires adjustment the class will restart.

- **8,000 lb Farm stock**
  - **10,000 lb Farm stock**
  - **12,000 lb Farm stock**
  - **15,000 lb Farm stock**
  - **18,000 lb Farm stock**
  - **Open weight limit farm stock**
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- Hitch must lie in the horizontal position 20" max. Hitch must be of durable material, not thinner than 3/4", or thicker than 1 1/4" with a minimum of 3 1/2" hole and 1" material thickness around the hole, hitch must be not less than 18" behind center of rear axle and stationary in all directions.
  - Wheelie bars are recommended but not mandatory.
  - Tractors must have ALL standard sheet metal including fenders.
  - Fuels: Must be manufacture recommended fuels-no alcohol, blended or aviation fuel. Vehicles will be inspected for leaks.
  - Any vehicle operating in an unsafe manner will be disqualified.
  - Must be factory built by recognized manufacturer and may not run more than 10% over manufacturers rated RPM and horsepower.
  - A tractor may be entered twice in one class with different drivers.
  - Pulling speed not to exceed 6 mph. (For example 6.1 mph is a DQ)
  - Weights must be securely attached, and loss of weight or parts will result in disqualification.
  - Weights other than wheel weights must be adjacent to and not extend in any one direction more than 20" from tractor frame.
  - Weights attached behind rear axle may not extend behind rear tire as viewed vertical from the side. Weight frames are allowed.
  - Dual wheels and front wheel assist are permitted in all Farm Classes. Front wheel assist must be disengaged. Articulated or 4-wheel drive tractors with equal size front and rear tires are not permitted.
  - No cut tires allowed.
  - All front weights must not exceed maximum factory recommendations and secured for fieldwork on factory mountings.
  - Absolutely No Riders! Drivers must remain seated at all times!
  - Must have working PTO

## **Stock semi: 21,000 LB**

- Maximum weight (including driver) 21000 pounds
- No added weights.
- All tires must be road approved and available to the public
- Only tandem axle rear wheel drive trucks will be allowed to compete. (no specialty trucks)
- Vehicle must be stock appearance for that year, model and make of truck
- Trucks in this class will have little to no smoke, and smoke must clean up.
- RPMs will be limited to 2500
- Only one turbo charger will be allowed unless the engine came with two from the factory (Cat Acert) Twin turbos must be stock turbos.
- Maximum hitch height is 20 inches
- Hitch may extend no farther than 51 inches from center of axle to hitch point.
- Hitch may be no shorter than 34 inches from center of rear axle to hitch point
- A minimum of 3¼ inch hole is required
- If using a 5th wheel style hitch the hitch must be fastened at the rear of the frame to limit side to side and vertical movement.
- Seat belt is required
- Fire extinguisher is required
- Proof of registration needs to be available upon request.

## **Modified 4.1 semi 21,000 LB**

- Maximum weight including driver 21,000 LB
- Weights cannot extend more than 51 inches from centerline of rear axle
- All tires must be road approved and available to the public
- Only tandem axle rear wheel drive trucks will be allowed (no specialty trucks)
- Engine must be located within 12 inches of stock location
- Engine size is limited to 1150 cubic inches

- Compound turbos will be allowed as long as the largest one is no larger than 104mm.
- Compound Turbos will be allowed as long as the largest one is 4.1 inch (104mm) or less. Turbo will be checked with 105mm plug. Single turbo setups must be 4.1 inch or less also.
- Fan must be fiberglass and fan shroud must be complete
- No RPM limit
- Water injection is allowed, no other fuels are allowed such as washer fluid, alcohol, or nitrous
- We may require you to use water supplied by the track.
- Maximum hitch height is 20 inches
- Hitch may extend no farther than 54 inches from center of rear axle to hitch point
- Hitch may be no shorter than 34 inches from center of rear axle to hitch point
- Hitch may not be mounted to the axle
- If using a 5th wheel style hitch the hitch must be fastened to the frame to limit side to side and vertical movement. (chains, straps or cables are not allowed to hold hitch)
- A minimum of 3 3/4" hole is required
- If using a 5th wheel style hitch the kingpin of the hitch may not extend forward past the the centerline of the front drive axle.
- Seat belt is required
- Fire extinguisher is required Driveshafts over 50 inches must have drive shaft loop (these may be chain)
- Chaining of axle is allowed
- Fixed (rigid mounted) rear axles are allowed Must have working brakes on all rear axles
- If tires on rear drive axles loose contact with the ground while hooked to the sled, this is grounds for disqualification.
- A guillotine style air shutoff mounted on the atmosphere side of the turbo, and operable by a safety switch on the rear of the truck is required.

