



2010 Bluegrass Pulling Series Indiana Region Rules & Regulations 10,000LB HOT FARM TRACTORS

1. **Cubic inch** - 470 cubic inch maximum.
2. **Engine** - Oem stock block, head, intake manifold & exhaust manifold must be for make and model of vehicle being entered. No aftermarket components allowed.
3. **RPM** - 3000 rpm maximum. Must have magnetic tape on balancer or on flywheel. Also vehicle must have an ISPRO #019R8906 magnetic pickup attached to the front of the engine to measure engine RPM's. The lead from the pickup to the rear of the vehicle is to be made of 14-16 gauge wire attached to a 110V, 3 prong female electrical outlet. The 2 wires from the pickup need to be attached to the 2 main spades, not the ground spade, of the electrical outlet. This outlet receptacle needs to be mounted next to the rear mounted air shutoff cable. Wire must be one (1) continuous wire outside the frame rails and visible. **NO SPLICES!!**
4. **Cooling Fans** - All cooling fans will be electric operated. No factory metal blades on water pump.
5. **Fuel Pumps** - Rotary, A pump, P pump 13 mm plunger diameter maximum. Only one plunger per cylinder. Throttle stop must be on the pump.
6. **Fuel** - Diesel fuel only. No compressed gases of any kind allowed as additive.
7. **Water injection** - water injection is allowed with water and pump lubrication only. Water may contain crop oil or water soluble oil. **WATER MUST FREEZE!!!! NO INTERCOOLERS OF ANY SHAPE OR FORM ALLOWED IN THE AIR INTAKE SYSTEM OF ANY TRACTOR.**
8. **Turbo** - 3.0" maximum diameter of the intake hole. NO BUSHINGS. Map width enhancement grooves allowed. NO restriction on exhaust wheel size. Exhaust housing mounting pattern must not be any larger than 2.75" x 3.5". Intake wheel must protrude 1/8" into bore and bore must be maintained for 3/4".
9. **Air shutoff** - Vehicle must have a cable operated engine air intake shut off device. Device cannot be a butterfly type and must be spring loaded. Cable must be located approximately 4 feet above the point of hook and within 6 inches of center of vehicle. Device must prevent the engine from building boost. The sled requires a 2 inch ring or equivalent be attached at the end of cable. Mount cable in clear view with no obstructions. It is recommended that one be within drivers reach as well when strapped in seat.
10. **Dump Valve**- A 3 way fuel dump bypass valve is required ahead of the injection pump. This valve is to be operated by a cable within the drivers reach when strapped in seat.
11. **Throttle** - Throttle lever must have a double spring installed such that if the throttle lever is

released, the engine will return to idle. Throttle must function such that moving the throttle lever forward, increases the engine speed.

12. **Tire Size** - 20.8- 38 NO CUT TIRES
13. **Clutch - Clutch Blanket** If you have a **SFI APPROVED CLUTCH AND FLYWHEEL WITH CERTIFICATION PAPERS YOU WILL NOT NEED A CLUTCH BLANKET ALL THOUGH IT IS RECOMMENDED. IF YOU DO NOT HAVE, YOU MUST HAVE A SFI APPROVED 4.2 BLANKET, MINIMUM OF 17 INCHES WIDE AND HAVE A 6 INCH OVERLAP AROUND THE BELLHOUSING OF THE TRACTOR.**
14. **Chassis** - Maximum of 114 inch wheel base unless originally produced with a longer wheelbase at which point the wheelbase will remain stock. Maximum length of 13 feet from center of rear axle to forward most point of tractor excluding front hitch.
15. **Stabilizer Bars** - Stabilizer bars are required (no wheels allowed). The stabilizer bars cannot be welded or bolted to the hitch in any way. The stabilizer bar must extend a minimum of 32 inches rearward from the center of the rear axle. The skid pad cannot be more than 10 inches off the ground. The skid pad must be a minimum of 5"x 5" square. A minimum of 20 inches is allowed between the 2 skid pads. No cross bars are allowed on the stabilizer bars behind the hook point. In addition to the stabilizer bars, the vehicle must have a brace that extends vertically 12 inches from the rear most tip of skid pads. There must be support brace extending inward to frame, axle or top of stabilizer bars. Design and material used must with stand impact of sled and support the weight of tractor. Vertical brace should extent rearward a minimum of 2" from radius of rear tire.
16. **Drawbar** - Must be a minimum of 18 inches behind center of rear axle. A maximum of 20 inches in height, and be ridged in all directions. Hitching eye to be a minimum of 1 inch thick with a 3" x3.75" inside diameter hole.
17. **Brakes** - All tractors must have working rear brakes capable of sliding each rear wheel.
18. **Fenders** - All tractors will have fenders and must support weight of driver. Top of fender must extend no less 6 inches over the top of tires.
19. **Floorboards** - All tractors must be equipped with a floorboard.
20. **ROPS and Roll cages** - All tractors will be equipped with a 2 post roll bar capable of supporting the weight of the tractor or a sfi roll cage.
21. **Seat belts** - Seat belt are mandatory on 2 post roll bar and 5 way seat harness in roll cage and helmet in cage.
22. **Shields** - Side shields are recommended but not mandatory on both sides of the engine and cover the entire engine. Either aluminum or steel not less than 0.060" thick. There must be a fire wall that separates the operator from the engine compartment with no hole more than ½ inch in diameter for controls to pass through. A 0.060" thick or .120" thick aluminum must run between frame and under the harmonic balancer to prevent loss of harmonic balancer from tractor.
23. **Fire Extinguisher** - Vehicle must be equipped with a minimum of a 2.5 lb dry type or a 2 lb halon type fire extinguisher that must be located within easy drivers reach. Must be fully charged and have a working gauge.
24. **Neutral start - VEHICLES MUST NOT START IN GEAR!!!!** .
25. **Personal Safety Equipment** - Driver must wear a helmet, snell rating of 85 or higher. Driver must wear fire suit pants and jacket of sfi 3.2A-1 minimum. And driver must wear a HANS neck restraint. Leather shoes.
26. Wheel hubs must steel or cast steel. NO CAST IRON!!!!