

2025 2.4 Altered Farm Tractors

General Rules:

- 1) Weight 10,000# Double Cut Tires or 10,500# Top Cut Tires
- 2) NO Speed Limit
- 3) 3000rpm limit
- 4) 20.8 tire maximum
- 5) Gear shifting using clutch while pulling not allowed
- 6) Tractor and driver must scale or results in DQ
- 7) No rear dual wheels allow
- 8) 2 hook grace pull allowed to allow for rules to be followed by tractor
- 9) Wide Front End Required

Safety Rules:

- 1) **RPM - 3000 RPM maximum, No RPM tolerance. No grace allowed. RPM will be electronically checked. All Altered farm tractors must have a magnetic pickup attached to the front of the engine to measure engine RPM. All altered farm tractors will need a 3 wire lead sensor and transmitter from Ag-Tronix**
- 2) Cross Bolts in exhaust pipe (2 3/8" Grade 8)
- 3) Wheelie bars extending past rear tire required – Must be a maximum of 10" from ground
- 4) Fenders and/or floorboards supporting weight of driver required
- 5) Kill switch mounted at rear of vehicle required
- 6) Must have positive stop on injection pump for high idle
- 7) Dead man throttle required
- 8) No Injectables allowed
- 9) Front Ski Bars recommended, Front axle support to be made of 2.00" X .095 tubing or 2.00" X .120 mild steel tubing or same material as tractor frame rails. Front axle supports should connect to each frame rail in-line and extend towards front of tractor. Front skid/ front axle support should have radius to prevent digging into track. Front axle support frame should be strong enough to support front end weight of tractor. Support should have a maximum of 4" ground clearance
- 10) Tie bars mounted to rear axle and extending forward of the flywheel mounted to frame
- 11) Fuel shutoff controlled from seat of tractor required
- 12) Electric TA's required

Engine:

- 1) Side shields required
- 2) 505 cubic inch limit, under 470 may alter bore and stroke to max of 470cid 2a) Massey 540, Cockshutt, Oliver, and White 585 must retain factory bore and stroke
- 3) 1 inch intake manifold spacer allowed
- 4) No intercoolers or cooling devices allowed
- 5) Water injection allowed, water only, Maximum of 2 ports in crossover pipe only
- 6) Diesel Fuel only
- 7) Turbo must be under hood and exhaust exit upward
- 8) Maximum of 3.25" crossover pipe diameter allowed
- 9) Maximum of 13mm P7100
- 10) Maximum of S300 SX-E 2.4" P/N 13009097056
- 11) OEM Motor and Block. Block is not to be altered in any way externally for mounting of fuel injection pumps and remain in stock location. Internal webbing and water jacket to remain intact with provisions to re-bore block

12) Must have OEM cylinder head, intake manifold and exhaust manifold for that model or series tractor. No filler heads, single feed intake manifolds only. No headers or custom intakes manifolds.

Hitch:

- 1) 20" max drawbar height
- 2) 18" minimum from center of rear axle to end of drawbar

Chassis:

- 1) Roll Cage with harness or OEM ROPS with lap belt required
- 2) Must have weld on hubs for pressed steel, no cast centers
- 3) OEM ag rear end
- 4) Wheelbase is a maximum of 114 inches unless produced by manufacturer, Maximum of 13 feet from the center of the rear axle to the forward most part.
- 5) Working brakes required
- 6) OEM Transmission must be stock appearing. No aftermarket gear boxes.
- 7) Clutch housing, transmission case, rear end housing must be OEM or equivalent
- 8) Custom Frames and tube chassis are allowed. Must meet Tech and Class rep approval