
2023 GENERAL RULES FOR DARKE COUNTY TRACTOR PULLS

Entry Fee will be \$30 per vehicle per class all classes except antique. Antique will be \$20

1. Contests are open to vehicles of manufacture with rubber tires. No dual tires or tire chains permitted on any vehicle.
2. Div. II Antique Classes driver must be at least 14 years of age and have written permission from parent or guardian. All other classes driver must be at least 16 years of age to pull.
All drivers under 18 years old must have written permission from parent or guardian.
3. Pull is ended when vehicle forward motion stops, or determined by flagman
4. Vehicle rechecked after pull if there is any question of rule violation
5. Weight includes driver. No driver changes after weigh in.
6. Weights must be securely fastened to vehicle.
7. No portion of vehicle may interfere with sled or sled hitch during pull
8. Any excess fluid loss on the track will be grounds for disqualification
9. Any external part falling on the track will mean automatic disqualification except caused by internal breakage or driveline breakage.
10. Contest to be governed by judges with all decision's final.
11. No alcoholic beverages allowed.
12. Safety equipment: all fast class pullers must properly wear DOT approved helmet and fire jacket/pants. Fire shoes & fire gloves recommended or at least leather work boots.
13. An area 6" wide and 12" high immediately above the drawbar must be free of all obstructions, including weights, for ease of hooking and unhooking. Also, PTO shaft must be guarded.
14. No refunds of entry fees in any and all classes
15. Tractor drawbar must be at least 18" long from the center of rear axle to point of hook. Drawbar must be stationary in all directions.
16. Pullers must furnish pulling hitch with minimum 3"x3 3/4" hole for sled hook
17. No pulling from center link linkage
18. No center link drawbar supports
19. No pressurized fuels of any kind in any class unless antique that was that way from factory originally
All system components must be removed from truck or tractor!
20. All kill switches' **HIGHLY RECOMMENDED** being per NTPA spec: see page 35 letter M of NTPA rule book. please update yours! The use of any kind of tape on kill switches is prohibited!
21. All mud flaps must be perpendicular with frame no angled out mud flaps
22. Order of pull subject to change
23. Points discrepancies are considered final at end of the event. To make a contestation of a vehicle, you must have a vehicle in that class
"Protest fee: Anyone wanting to protest a class must be a part of the class and cost is \$350 and will go to winning protestor. All protests must have money put up within 5 minutes after the run of the vehicle being protested.
24. **NO WHINING! All decisions by DCTPA judges are FINAL!**
25. There must be a driver in the seat any time a competition vehicle engine is running.
26. No crew person is allowed to crawl under a running vehicle
27. All vehicles to maintain a slow idle speed when exiting track area and maneuvering around pit.
28. All diesel classes must have an air shutoff minimum,
29. All fast farm classes must have weld on hubs
30. Highly recommended that all pulling vehicles have a 3" hole on front of vehicle capable of lifting front of vehicle in event of breakage or used for maneuvering by tow tractor (will not count toward length measurements)
31. All DQ (with exception to Director or Official Decision) will still receive last place pay and points.

2023 DCTPA POINTS RUN RULES

1. Only DCTPA members are eligible for the Points Run.
2. Points do not start until membership dues are paid. If dues paid mid-season, points are not given for previous hooks.
3. Each pulling vehicle must have an individual points number.
That number is to be placed on the pulling vehicle.
4. Pulling Registration forms are to be filled out completely & correctly, missing information will not be filled in using information from previous hooks.
5. If the points number is left off of the entry form, the puller forfeits their points for that hook.
6. If the wrong points number is written on the entry form, the puller forfeits their points for that hook.

7. Points will follow NTPA points rules

15 place points plus 15 hook points. 1st place will get a total of 30 points down to 15th place will get 16 points. Going out of bounds or getting disqualified will put you in last place of however many vehicles are in your class at that particular event. (ex. if there are 7 in your class you will get 7th place money and 7th place points.) If you hook to the sled in working order and something brakes before you move the sled that is considered Hooked and Broke(H/B). This will also give you last place in your class. A measurable distance with a D/Q will be placed above a H/ B. If multiples of either D/Q or H/B they will be placed at the bottom in the order they happened in. 8. If pull gets rained out part way through, all finished classes are final. Any partially finished class will all get 15 hook points if entered to pull. Any classes not pulled yet, the vehicles on the grounds and entered to pull, will get 15 hook points. 9. Tie Breaker (End of Season) If the end of season points race results in a tie, the following formula will be used to break the tie. Ties will be broken using the greatest number of 1st place finishes at events counting towards that position. If a tie still exists, 2nd place finishes, 3rd place finishes etc. will be counted until the tie is broken.

10. Any and all disagreements, queries, etc. will be decided upon and enforced by the DCTPA officers & directors, their decision will be final.
11. There must be a minimum of two vehicles paid for the points fund in each class for points fund to be awarded at the end of the year. If there are two or more paid vehicles in the fund, and only one shows up at an event, that one will still get points at that event.

POINTS FUND: If you would like to enter into the points, you must join the club, and there will be a \$50 fee per vehicle per class. All money collected will be dispersed to the top 3 in points in each class at the awards banquet

2023

ALTERED GAS TRUCK RULES

1. Class will be #6200 lbs with driver. Allow 2 ton max front and rear OEM style drive train differentials, hanging weights allowed. Drop box is allowed but no reversers. (No dual wheels allowed)
2. No bigger than a single carburetor allowed, no aftermarket fuel injections or turbos. No nitrous, alcohol or pressurized fuel.
3. The motor cubic inch limit is 516 max. cast iron heads are allowed. No sheet metal intakes. Over-the-counter intakes are allowed. **Any Conventional style head no spread port heads no big duke or big chief heads**
4. A maximum of 134 inch wheel base, from center to center of the axles. Must have working axle brakes on front. NO drive train brakes. Trucks must have a factory appearing bed. Beds without floors are required to have bed cover and cover on rear in tailgate location. No flat beds permitted. Only one seat is required. No tail gate is required.
5. There is no tire size limit. No cutting of tires is allowed. Tires must be **"DOT"** approved. Headers can be upright or down flow.
6. Solid suspension can be welded or bolted. Narrowing of the rear ends is allowed.
7. Pulling hitch pivot point will not be more forward than the center of the rear axle and not above top of the frame rail and must be a minimum of 46 inches from the center of the rear axle to the hook point. The hitch height must be 26 inches and must not have side to side movement or up and down movement. The hitch must have 3" x 3.75" opening. Hitch height will be checked at weigh in and after possible after each event. Batteries and fuel tank on weight rack are allowed. The Batteries must be securely mounted and concealed. Weight rack not to exceed 61" from front of weight rack to center of front axle. Weight rack not to exceed 100", 50" from center of truck either way. Truck will be disqualified if weight fall off and touch track.
8. **Mandatory safety equipment needed:** seat belts / kill switch / fire extinguisher / (5) drive shaft loops on rear drive shaft(example 2 cans and 3 loops), (1) .25" steel or .25" aluminum 5" long loop to cover universal joints at each end of rear drive shaft. Front drive shaft will have 3 loops, (1) 5" long loop at each end (same dimensions as above) with (1) narrower one in the middle. Truck must have steel inner fenders or spark plug shields. Helmet and fire pants and fire jacket to be worn **ZIPPED UP!**. Metal sled bump stops must be 8 inches from hook point. The bellhousing must have a plate on the bottom of the inspection hole. **All trucks must pass safety inspection before each pull.**
9. Contestant will have 2 attempts within 100 feet except in the case of a pull off. ALL PROTESTS MUST BE MADE BEFORE CHECKS ARE ISSUED.
10. Drivers are not permitted to drink alcoholic beverages before event.
11. Any and all rule changes must be submitted to DCTPA directors and read and voted on at a DCTPA monthly meeting before being implemented and enforced.
12. Blow proof bell housing or scatter blanket required
13. no tube chassis or fiberglass bodies.

2023 DCTPA 8000 lb. 2.6SB

8000lb 2.6 Smooth Bore/ Pro Street Diesel Truck

1. Maximum weight 8000
2. OEM Chassis is mandatory. The vehicle must retain the full OEM chassis. Wheel tubs, back half conversions and tube chassis are prohibited. Lengthening of frame allowed up to 158". Longer trucks (158"-172") must maintain OEM measurements for body being used.
3. The body must be OEM truck body including the full bed floor. No flatbeds permitted. The body must retain the full sheet metal. After market hoods permitted. The hood must be closed and securely latched when hooked to sled.
4. Maximum cubic inch 460. Engine must be in OEM locations for the body used. No aftermarket blocks permitted. Engine must have 3/8 cable surrounding #1 and #2 cylinders and must pass through the manifolds. 2 cables at splice with 4-6 inches of slack.
5. Cylinder head must be OEM or OEM replica for brand of engine. Outside of cylinder head must measure factory width and length. No billet heads of any material. Head must retain factory OEM valve angle. No deck plates permitted. Side draft and aftermarket intake manifolds are allowed.
6. Hook point to be no closer than 44" of centerline of rear axle. Maximum hitch height of 24" with a minimum of 3.75"x3" opening. Hitch must be stationary in all directions. Hitch must be frame mounted. Hitch must be centerline of rear axle or behind. Hitch must not exceed 25 degree angle from pivot point to hook point. No hitch supports or adjusters fastened to rear axle housing shall be above center point of rear axle. Pivot pin of drawbar can be no further forward than the centerline of rear axle.
 - a. DCTPA will allow a well-built reese style hitch.
 - B .DCTPA will not require a secondary safety hitch.
7. Turbo is limited to a 2.6" inducer bore. Bore must be smooth. No MAP Width Enhancement groove (MWE) allowed. Compressor wheel must protrude into 2.6" bore for 1/8". Bore will be checked with a 2.605" turbo plug. Plug must not be able to enter inducer bore and contact wheel.
8. All vehicles must be equipped with upward pointing exhaust located either directly behind cab or out of truck hood. Two 3/8 inch diameter bolts must be placed through the exhaust pipe in a cross pattern within one inch of each other and within 12 inches of turbo.
9. Front hanging weights are allowed, not to exceed 60 inches forward from the centerline of front axle. Ballast may be added in the bed of truck but must be securely fastened. Maximum weight 8000 pounds.
10. All trucks must have at least six-inch-wide u-joint shield around all u-joints constructed of at least 5/16-inch steel or 3/8 aluminum that will safely contain the u-joint and the end of the driveshaft. All shields must be securely mounted to vehicle.
 - a. DCTPA will not require the drive line tether system.
11. A fire extinguisher system is permitted. 2.5# fire extinguisher must be securely mounted within reach of driver. A complete OEM firewall is required.
12. All drivers must have valid driver license and full SFI fire suit including helmet, gloves, neck brace. Seatbelt/restraint must be worn.
13. The complete OEM floor pan is mandatory. Vehicle must maintain a complete firewall. Additional gauges and pillar pods are permitted.
14. Hand throttles permitted. Diesel fuel only No propane or N02 or any other oxygen enhancers allowed.
15. Maximum of one P pump up to P7100 allowed. 13MM plunger limit. Ag governors permitted. The use of multiple high pressure common rail fuel pumps is legal.

16. OEM rear and front ends required. Must have come factory in a one ton or smaller vehicle.
17. Axle shields are required. Shield to be .060" thickness steel or aluminum. A hole may be cut in one shield to allow operation of hub lock.
18. Safety switch (rain cap or guillotine) must shut off air to diesel engines. Switch will be securely mounted to back of vehicle. A 2 inch or bigger solid ring must be attached to end of switch. Ring must be zip tied to switch bracket. Switch must also be able to be activated in cab while driver is secured in vehicle.
 - a. 3-way fuel dump valve highly recommend, with a in cab control.
19. Hydraulic steering permitted.
20. Suspension - The upper mounting point for strut assembly must be in factory location. Adjustable caster/ camber pillow ball mounts are permitted. The lower control arm may be strengthened provided the factory mounting points are maintained. Strut tower braces, lower tie bars, sway bars, and limit straps are permitted. Traction bars and devices are permitted. Raising or lowering of vehicle height with suspension modifications is permitted but must be bolt on only. Welds permitted for attachment to frame and axle only. Blocked suspension permitted. No air bags. Rear suspension may be made solid.
21. Tires must be DOT approved with maximum size of 35x12.50. No studded tires or tire chains. No alterations to tires permitted. No bar or terra tires.
22. Dual wheels are prohibited.
23. OEM transmission and transfer case must be used. Must have come factory in a one ton or smaller vehicle.
24. Non-OEM transmissions prohibited. Aftermarket torque convertors, valve bodies, and internal components are permitted.
25. SFI bell housing and/or SFI blow proof bell housing or SFI blanket type shield must be used.
26. Water injection is prohibited.
27. Air to air intercooler only. No ice or water permitted truck during competition.



2023 HOT ROD RULES – SMALL BLOCK

1. Weight 6000 Lb.
2. Tire Size 18.4x38 Maximum
3. Driver Age must be 16 years of age to pull. All drivers under 18 years old must have written permission from parent or guardian
4. Age of Tractor 1972 and older, no home-made tractors
5. Fuel Gasoline fuels only with a maximum of 750 specific gravity, no E85, no alcohol, no pressurized fuels, no nitrous oxide, no nitrogen methanol, and no propylene oxide. Racecar Gasoline and oxygenated fuels may be used.
6. Drawbars must be 20 inches in height and 18” from center of axle to hooking point. No part of draw bar may extend rearward beyond point of hook. No part of drawbar is to be attached to any point higher than the center of rear axle. Drawbars must be stationary in all directions. No clevis, absolutely no turnbuckles.
7. Engine, Manifold, Carburetor, Ignition

ENGINE RULE: Must be 410 cubic inches or smaller, 6 cubic inches may be added to engines that require a fresh rebore, no engine may be larger than 416 +0 cubic inches, Must be an industry standard “small block”, no big blocks. Must be a cast iron block, cast iron heads, maximum eight cylinders, two valves, one spark plug per cylinder, Camshaft in block. Center of axle to rear of block (where bell housing bolts on) is to be a maximum of 72”

MANIFOLD, CARBURETOR: One four barrel naturally aspirated carburetor Any 4150 carburetor is allowed, 750CFM. No fuel injection, no throttle based injection. All intake manifolds can be low-rise type. No tunnel ram, no sheet metal/ aluminum intake, no casted sheet metal type, no welded manifolds allowed. Headers must exit in an upward direction.

IGNITION: All ignitions must use a MSD system with an 8000 maximum rpm limiter chip. MSD chip will be tech per the MSD Chip Resistance Values chart. Must be able to hook to RPM Data log box via wall plug connector. No more than 50RPM variation over 8000.see rule 12 of this class

8. Hood, Grill, Frame, Transmission, Rear end, Axle

All Sheet metal to include Hood, Grill, Fuel Tank, (if part of sheet metal) Side metal, and Screens must be for that make and model and must maintain original dimensions in all directions (width, height and depth) but could be moved forward a maximum of 8 inches as a complete unit/assembly. Sheet metal upgrades are allowed but must not cross the original manufacturer’s lines. Some sheet metal modifications are allowed. All upgrades and modifications must come to the committee for approval. Front ends may be homemade, maximum allowable wheelbase of 100” from center of rear axle to center of front axle or manufacturer stock length if greater than 100”. **Allow any Pre 1972ag rear end miss match rear end but must maintain a stock OEM rearend housing no outboard planetary allowed**

9. Total Length of Tractor

Maximum length 11’ from center of rear axle to the furthest point forward, including weights.

10. Safety Equipment

Helmet and fire suit, wheelie bars, ski bars, kill switches, fire extinguishers, fenders, blow proof damper pulley and shroud, SFI flywheels and pressure plates, scatter blanket or SFI bell housings, engine side shields. Drive shaft from bell housing to transmission must be shielded. Roll cages must be capable of supporting tractor and driver. No steel fans. All tractors must have wide front axles with a minimum of 32 inches between inside of tires. All electric fuel pumps must be wired to the kill switch. All factory cast iron tub frames must be reinforced or replaced with steel where it bolts to the transmission. neutral safety start switch is required

11. No outboard planetary allowed must maintain stock OEM housing, transmission and rear end.

12. will run RPM box during run 8050 rpm is limit 8051 is a DQ.

2023 #9000 ALT. FARM STOCK RULES

1. 9000 lbs
2. Diesel Fuel Only, No Gas, No Nitrous, Alcohol or Propane
3. Must have kill switch
4. One turbo
5. A pump limit
6. 18.4 x 38 (Bias or Radial)
7. Water injection is allowed in cross over pipe and in intake manifold only
8. Engine must be for make and model, not allowed to cross manufacturer's lines.
9. Intake and exhaust manifolds must be for AG application
10. Two valve cylinder head only, OEM or stock replacement
11. No big block tractors allowed (JD5010/5020/6030)
12. No intercoolers allowed
13. No steel fan blades allowed
14. No center link or turnbuckles above center line of rear axle
15. 3250 RPM limit. Tractor must have an ISSPRO single magnetic pickup (puller will purchase from club) attached to the front of the engine to measure RPM's. The lead from the pickup to the rear of the tractor is to be made of 14 or 16 gauge wire with molded female 110V plug. The 2 wires from the pickup needs to be attached to the 2 main spades, not the ground spade of outlet. This outlet needs to be mounted next to the air shutoff/kill cable at rear of tractor. Wire must be cord form with no splices and be easily inspected from front to rear. This must be in place and in working order before pull. Any tractor found to be over allowed 3250 RPM limit will be DQ but still given last place purse and points. Any tractor with a very high reading will get a chance at finish line while still hooked to sled to full rpm the tractor and reread the high. If this still reads incorrectly then tractor is disqualified.
16. Must have wheelie bar separate from drawbar and able to support weight of tractor. (Any questions we will get a jack and check)
17. Must have all sheet metal and side shields on motor.
18. Must have rear fenders
19. Must have wide front end
20. Must have ladder bars or full frame to rear axle housing, per NTPA AG Chassis Specs.
21. Must have (2) 3/8" bolts through exhaust pipe (must make cross in pipe) as close to turbo as possible
22. Must have SFI clutch blanket
23. Must have dead man throttle
24. Must have steel fly wheel
25. Must have 3 bar roll cage
26. Must have 5-pt harness and fire suit and helmet all fastened
27. All tractors must have skid plates or so called skies mounted in line with each frame rail and extend from the center of front axle forward (on both sides) Equal in strength to frame rail material. Skid must be securely mounted and braced to the chassis. Skid plate surface to be minimum of 4 inches wide and 12 inches long with minimum of 6 inches curve when measured from the front of most part of rolled edge. Max Ground clearance is bottom of wheel rim not to exceed 4 inches with front tires in normal position.
28. 20" hitch height max Drawbar must be a minimum 18" from center line of rear axle to hook point.
29. All decisions by DCTPA judges are final
30. Weld on wheel hubs required
31. Must have manual 3-way dump fuel valve ahead of injection pump to be operated by the driver
32. Must have an air shutoff.
33. Maximum distance from centerline of rear axle to furthest point forward 13 ft. (not including front hitch)
34. Full cut tires are allowed.

2023 RULES 9500# HOT FARM

1. 9500 LB WEIGHT LIMIT
2. Diesel Fuel only, No Gas, Nitrous, Alcohol or Propane
3. 540 cubic inch limit
4. Cast block and head make and model not allowed crossing manufacturer's line.
5. Ag Chassis (per NTPA) no component chassis
6. Turbo limited to 3" inlet, 3 ½" outlet
 - a. Compressor wheel must protrude into the 3" bore at least 1/8"
 - b. All turbine wheel blades must protrude into the 3.5" bore at least 1/8"
 - c. Intake and exhaust will be measured at the intersection of the wheel face and tip diameter.
 - d. No variable geometry turbos.
 - e. MWE groove is allowed
 - f. All turbos will be teched before or at first pull and randomly there after.
7. Must have two 3/8" bolts through exhaust pipe as close to the turbo as possible, must make a cross in the pipe.
8. P Pump maximum, open rpm mechanical fuel system only, no computerized or electronically controlled fuel systems.
9. Must have manual 3-way dump fuel valve ahead of injection pump to be operated by the driver
10. Must have air shut-off, if equipped with electric fuel pump must have kill hooked in with air shut-off
11. Must have dead man throttle
12. Max. tire 24.5x32 or 20.8x38 cut tires allowed
13. Water injection allowed, no oxygen carriers or combustion accelerators allowed.
14. Stock appearing intake manifolds. Exhaust Headers allowed. per NTPA Hot Farm Rules
15. Two valve cylinder head, cast only
16. No ice on board or intercoolers.
17. No steel fans
18. Must have all sheet metal and side shields
19. Must have inner blast shields as per NTPA guidelines (.125 steel or .250 aluminum length of block, crank to head, solid frame rails count)
20. Must have a balancer shield
21. Safety cable around head recommended, between 1st and 2nd cylinder.
22. Must have rear fenders.
23. Must have wide front end, front tires must track the rear tires
24. Must have ladder bars or full frame to rear axle housing (NTPA AG Chassis Specs)
25. Must have clutch blanket, 6 strap (SFI recommended)
26. Must have steel fly wheel and clutch (SFI recommended)
27. Must have fly wheel and clutch affidavits on file with DCTPA before you pull
28. Must have 3 bar roll cage.
29. Must have wheelie bars separate from drawbar and able to support weight of the tractor
30. All tractor must have skid plates or so called skies mounted in line with each frame rail and extend from center of front axle forward.
31. Must have 5-pt harness and fire suit and helmet all fastened.
32. Maximum wheelbase 114" (center of front spindle)
33. Max length is 13' from center of rear axle to forward-most part of tractor, including weights, not including front hitch.
34. 20" hitch height no closer than 18" from center of rear axle
 - a. rigid with no movement in all directions
 - b. No center link or turnbuckles above center line of axle
 - c. Hook Hole is required to be a minimum of 3 ¾" ID
35. Stock appearing sheet metal (hoods, grills and fenders)
36. Homemade frames allowed should look stock (tube frames must be covered)

37. Exhaust headers are allowed.
38. All decisions by DCTPA judges are FINAL.
39. Recast heads and Non OEM manifolds are permitted

2023 DIV 2 RULES – CLASSES - 4500, 5000, 5500, 6000, 6500

All Div. 2 classes are \$20.00 hook fee

AGE OF DRIVER

Drivers must be 14 years of age or older. Those under 18 years of age must have written parental / guardian permission.

AGE OF TRACTOR

1959 and older

DRAW BARS

Draw bars must not exceed 18 inches in height or less than 18 inches from center of axle to hooking point. No part of draw bar may extend rearward beyond point of hook. Draw bars must be stationary in all directions. No clevis.

WEIGHTS

Weights must not extend rearward beyond rear tires and cannot be more than 11 feet from the center of the rear axle to the furthest point forward. No more than 12" from side of rear tire.

TIRES

No radial tires, steel wheels, duels. Two-wheel drive only. Top cut tires will be allowed. Manufactured data must be intact. Tire size will be 15.5x38 or 14.9x38. Maximum footprint per Firestone tire chard D170, 200 sq. in Any rim width. 18.4x38 in the 7500# no aluminum rims.

FUEL

Gas, diesel or LP fuels only. No alcohol or nitrous oxide fuels may be used in tractors. Gas is allowed a maximum of 750 specific gravity. All tractors are subject to random fuel checks. Tractors manufactured to use diesel fuel only cannot be converted to gas or LP.

RPM'S

Rpm's allowed will be determined by the Nebraska test chart. Any tractor not listed will use manufacturer's data. A 10% margin of error will be permitted. All tractors to have positive throttle stops. NO REV LIMITERS

SPEED LIMIT: Any gear, speed limit, 4 mph, to be checked by radar. No shifting of TA's. No beep after the cone track-side. (Approx. 75 ft.)

CARBURETORS: Replacement carburetors with no modification of carburetor or manifold. Overhang of carburetor to manifold is not allowed. Only stock appearing manifolds are allowed. Tractors must be naturally aspirated. No turbo or blowers, except Oliver 99GM, etc. Enhanced electrical systems permitted in all classes. No rev limiters.'

ENGINE, FRAMES, TRANSMISSION, REAR END, AXLE

Tractors must have the stock engine, frames, transmission, rear end and axle housings or manufacturer's replacement. Engines must bolt in existing mounts. Stock heads and their replacements are to remain unchanged in outside appearance. Allowing 310 motors, Ag Engine Only; Oliver's; can run (12) port head on 7 bolt main; 460/560 can run 301 engines; no (99) heads. AC/WC/WD/WD45 can use D-17 engine; I H, 350; M, 450, JA A/BIG can use power blocks. Allow M-M (800) heads or blocks for 4 cyl Eng. IH RD engines allowed. Dual exhaust not allowed except after stock manifold.

OTHER RESTRICTIONS

Oliver 88, Farmall M, Massey 44, MM-U, JD-G, Case-CJD, JD-A 1940 and up and like size tractors are not allowed in classes below 4500#. Massey 33, Oliver 77, JD-A 1939 and down and like size tractors are not allowed in classes below 4000#.

SAFETY EQUIPMENT

Wheelie bars, kill switches, all electric fuel pumps must be wired to the kill switch.

CLASS WILL NEED TO PROVIDE TECH INSPECTOR.

8500# Farm Stock

No year limit on age of tractor.

Classes: all classes 8500# - 4 MPH, 6 MPH, 8 MPH, and 10 MPH (2016)

Tires: 18.4 x 38 maximum allowed in all classes. Radials allowed. AG Tires & Top Cut Only. No Alteration to Casing.

Speed: Speed limit - 8500# 8 MPH, 8500# 10 MPH.

Mandatory wheelie bars and kill switches. Scatter blankets and steel flywheels not required but recommended.

Fuel: Diesel only.

RPM's: Maximum 3000. The governor lever must come to the governor stop on all injection pumps.

Hitches/Draw Bars : Draw bars must not exceed 20 inches in height or be less than 18 inches from the center of the axle to the hooking point. No part of draw bar may extend rearward beyond the point of hook. Draw bars must be stationary in all directions. No clevises. Hitch material cannot be thinner than $\frac{3}{4}$ " and not thicker than 1.25". Hitch has to a 3.75" hole with 1" material thickness around the hole or a straight clevis bolted or pinned tightly to the drawbar with a minimum of 3.75" hole. Top of hitch adjuster cannot be above center line of axle or hub. Hitches and drawbars must be stationary in all directions. Hitches or drawbars cannot be moved when pulling down the track.

Cylinder Block or Crank Case, Heads: Tractors must have a stock engine, stock cylinder heads, and their replacements are to remain unchanged in outside appearance. Engine cubic inch must be stock or manufacturer replacement.

Hood, Grill, Frame, Transmission, Rear End, Axle: Must be for that make and model and must maintain stock appearance and dimension.
No tubular frame rails permitted; must look factory (2021).

Total Length of Tractor: Maximum is 12 feet from the center of the rear axle to the furthest point forward, including weights. Weight brackets may be used.

Manifolds, Injection Pumps: All manifolds must be from the same manufacturer and must bolt in stock location without modification. Manifolds may be altered to fit turbo under hood. M&W OK. Any rotary injection, Sims pumps, or Standine replacement. A pumps allowed. No P pumps allowed.

TURBO: ONE (1) ONLY.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

6200 lb Naturally Aspirated SS tractor 2023

General Safety Requirements

101. Tractor must be equipped with rear fenders.
102. Tractor must be equipped with a minimum 2 bar roll cage.
103. Tractor must be equipped with a minimum of a four-point driver's restraint harness.
104. Tractor must be equipped with a fully charged fire extinguisher that is securely mounted to the tractor and within reach of the driver.
105. Tractor must be equipped with a scatter blanket or steel shield that is fully enclosed and bolted or welded together. Steel must be a minimum of 4 inches wide and .375 inches thick.
106. Tractor must be equipped with a forged steel or aluminum flywheel. Cast iron flywheels are strictly prohibited.
107. Tractor must be equipped with wheelie bars that are constructed with pads that are no higher than 10 inches from the ground and the furthest point of the pad must extend 2 inches past the furthest point of the rear tire. See Appendix A drawing for details.
108. Tractor must be equipped with an emergency shut off. Spark ignition engines must use an electrical kill switch and engines operating on diesel fuel must use an air shut off system.
109. Tractor must be equipped with removable side shields that fully enclose the engine. The side shields must be aluminum or sheet metal steel.
110. Drivers must wear helmet, fire suit, and flame-retardant gloves.
111. Tractor must be equipped with front axle skid plate, also known as front ski's designed to prevent a roll over in the event one or both front wheels breach from the tractor. The front axle skid plate must be mounted in line with each frame rail and extend from the center of the front axle forward (on both sides) and comprised of a minimum of .100" wall x 2" diameter mild steel tube or of equivalent strength material. The front axle skid plate must be securely mounted to the chassis. The front axle skid plate surface must be a minimum 4" wide and 12" long with a minimum 6" curve when measured from the front most part of the rolled edge. The front axle skid plate must support the weight of the front end when checked with a jack. The maximum ground clearance is bottom of the wheel rim but not to exceed 4" with front tires in normal operating position. See Appendix A drawing for details.

Tractor Chassis Requirements

201. Six cylinder tractors can weigh no more than 6200 pounds.
202. Tractor must not exceed 12 feet from the center of the rear axle to the furthest point forward (including weights).
203. Tractor must be equipped with wide front end.
204. The center of the front axle must not exceed 12 inches past front edge of the grille.
205. Tractor may use tubular frame rails; however, they must be covered by sheet metal steel or aluminum.
206. Tractor's engine, hood, grille and rear end must be from the same manufacturer. Hood, grille and rear end must be from that particular make of tractor.
207. Tractors originally equipped with a hand clutch may be upgraded to foot clutch if desired. Foot throttle required for any hand clutch equipped tractor.
208. Exhaust pipe or headers must exit the hood vertically.
209. Tractor must be equipped with a hitch that is a minimum of 18 inches behind the center of the rear axle.
210. Tractor must be equipped with a hitch that is 1.00 inches thick, has an opening of 3 inches wide by 3.75 inches long and has 1.25 inches of material to the rear of the opening. See Appendix A drawing for details.
211. Hitch may be round or square.
212. Tractors classified as "Big Blocks" pursuant to Rule 302 may not exceed 20 inches of hitch height.
213. Tractors classified as "Small Blocks" pursuant to Rule 301 may not exceed 20 inches of hitch height.

Engine & Transmission

301. Tractor engines that were originally manufactured with less than 370 cubic inches and do not currently exceed 460 cubic inches shall be considered Small Blocks. The following table illustrates approved Small Block engines by make and model:

Make	Model(s)	Engine Block	Engine Make
Allis Chalmers	190	301 CID	Allis Chalmers
Cockshutt	570	339 CID	Hercules
Ford	6000	300 CID	Ford
International	460, 560	301,310, 360 CID	International
Massey Ferguson	1100	354	Perkins
Massey Harris	203	339	Continental
Oliver	77, 88	310, 320	Waukesha

302. Tractor engines not meeting Rule 301 shall be considered Big Blocks and shall not exceed 810 CID. The following table illustrates approved Big Block engines by tractor make and model:

Make	Model(s)	Engine Block	Engine Make
Allis Chalmers	190	426 CID	Allis Chalmers
Case	900, 930	504 CID	Case
Cockshutt	570	478 CID	Hercules
Ford	6000	401 or 474 CID	Ford
International	460, 560	466 or 501 CID	International
John Deere	4010	404 or 466 CID	John Deere
Massey Ferguson	95, 97	504 or 800 CID	Moline
Moline	GBD, GVI	504 or 800 CID	Moline
Oliver	77, 88	478 CID	Hercules

303. Engine and transmission combinations listed in Rules 301 and 302 may upgrade sheet metal in accordance with the following:

Make	Upgraded Sheet Metal
Allis Chalmers	D-21
Case	1070
Cockshutt	1800, 2050
Ford	8000
International	656, 706, 756
John Deere	4020
Moline	G1000
Oliver	1600, 1800, 2050

304. All tractor engines must be naturally aspirated.
305. Tractor must be equipped with a cast iron agricultural cylinder head from the manufacturer of the engine.
306. Tractor must be equipped with stock appearing shifter for that make and model.
307. Tractor may not use an auxiliary transmission.

308. All engines are subject to random pumping to measure CID compliance.
309. A tractor and engine combination not listed above in Rules 301 or 302 must be approved by the inspection committee and ratified by membership before pulling.

Fuel System

401. Tractors may use 4 basic fuels: gasoline, diesel, alcohol and L.P.
402. Fuel must pass random fuel tests. Non-nitromethane and non-polypropylene oxide based oxidizing additives or accelerators are permissible in all fuels provided:
- A. the specific gravity of the gasoline fuel mixture is less than .755 @ 60° F;
 - B. the specific gravity of the methanol fuel mixture is less than .800 @ 68° F; or
 - C. the specific gravity of the ethanol fuel mixture is less than .820 @ 68° F.
403. Unless otherwise authorized by Rule 405 (B) or (C), the carburetor must be a manufactured updraft single barrel. Carburetor must have been manufactured with a throttle bore no larger than 3.1875 inches. Modifications to the inside of the carburetor are authorized; however modifications to the outside of the carburetor are prohibited.
404. Big Blocks must only use a carburetor detailed in Rule 403 with a modified throttle bore no larger than 3.3125 inches.
405. Small Blocks may use one of the following:
- A. One carburetor as detailed in Rule 403 with a modified throttle bore no larger than 3.3125 inches;
 - B. One downdraft four barrel carburetor of any size. Predator™ carburetors are prohibited. Air horn shall be unaltered;
 - C. Not more than three down draft two barrel 500 CFM carburetors. Air horn shall be unaltered; or
 - D. Fuel Injection using a single throttle body air valve with a throttle bore no larger than 4.000 inches in diameter. Throttle body air valve may be oriented in any position.
406. Big Blocks and Small Blocks meeting Rule 405 (A) or (D) must be equipped with intake manifolds that are designed for one single barrel updraft carburetors. Small Blocks meeting Rule 405 (C) must be equipped with an intake manifold designed with a common plenum.
407. Carbureted engines must have a fuel sampling port connected to the carburetor float bowl(s) and must drain fuel from the float bowl(s) only. The fuel sampling port must be accessible without removing the side panels, hood or grill. Fuel injected engines must have a fuel sampling port connected to the fuel injection distribution manifold or fuel injection return system and must drain the fuel contained within the fuel injection system. The fuel sampling port must be easily accessible without removing the side panels, hood or grill.

Rear Tires

501. Tractor must be equipped with bias ply rear tires no larger than 18.4 x 38.

502. Manufacture's size must be visible and legible on each tire.

503. Tractor may be equipped with cut or uncut tire tread.

Miscellaneous, Compliance & Sanctioning

Membership has ratified the creation of an Inspection Committee who has the authority to measure compliance with the Tri-State Tractor Pullers Association Rules and manage infractions.

901. Each Tri-State event winner will be subject to a compliance inspection by the Inspection Committee.

902. The Inspection Committee has been delegated the authority by the Membership to handle infractions by following the process outlined below, unless otherwise directed by a majority of the voting membership:

A. Tractors not meeting Rules 102, 103, 105, 106, 107, 108, 109, 111, 201, 212, 213, 301, 302, 304, 401, 404, 405, 406 and 501, and drivers not meeting Rule 110 will not be eligible to compete until compliance with the infringed Rule has been achieved.

B. Tractors not meeting Rules 101, 104, 209, 210, 407 and 502 will be expected to remedy these infractions before competing at the following Tri-State event or on a schedule that is approved by the Inspection Committee.

C. Drivers whose machines are discovered after the fact not meeting Rules 106, 301, 302, 308, 401, 403, 404, 405, 406 and who have already competed may be subject to a 366 day suspension from the Tri-State Tractor Pullers Association pending a majority vote from the Tri-State Tractor Pullers Association.

D. All other infractions will be under the discretion of the Inspection Committee for appropriate remedy. If a majority of the Membership dissents with the Inspection Committee, the Tri-State Tractor Pullers Association President will decide on an appropriate remedy.