



2019 / 2020 / 2021 RULES
MIDDLESEX COUNTY TRACTOR PULLERS INC.
WWW.MCTP.NET

CLASSES:

Tractor and driver shall not weigh over:

Lawn Stock	950 lbs.
A Stock Jr.	950 lbs.
Economy Stock	1050 lbs
A Stock:	1050 lbs.
Economy B Stock	1050 lbs.
B Stock:	1150 lbs.
Open Super Stock (NQS)	1050 lbs.
Lite Pro Class:	1000 lbs.
Super Stock:	1050 lbs.
Outlaw:	1300 lbs.
Super Outlaw:	1300 lbs.

Technical rules and specifications will be in effect for two (2) years. The intent of these rules is to provide a safe and fair contest. Decisions made by the Technical Committee may temporarily or permanently supersede any mechanical rule. It is ultimately the obligation of each participant to ensure that his/her conduct and equipment comply with all applicable MCTP rules, as they may be amended from time to time. These rules are designed to provide for the orderly conduct of the motor sport of garden tractor pulling and to reduce the risk of injury to both participants and spectators during such events.

SAFETY RULES:
(Applies to all classes)

1. Each tractor will be inspected by the Technical Committee. The committee will make the final decision as to which Class the vehicle conforms to and/or whether or not it meets the safety standards. Tractors are eligible for one (1) division only.
2. Helmets (half or whole) must be worn by **all** drivers during the pull (*full face helmets are recommended*). Helmets must be D.O.T. rated, strapped, and fit properly. Pullers must wear appropriate shoes e.g., no flip-flops.
3. Drivers shall wear SFI approved single layer fire suits for any alcohol-burning tractor regardless of class. Full body coverage is required (Top & Pants) all fire suits shall be securely fastened (zipped up).

4. No driver shall bounce on the seat or stand for any reason while pulling. Driver will keep at least one hand on the steering wheel at all times during the pull.
5. Nothing shall extend more than 3" beyond the outside of the rear tires.
6. Modification of tractor controls is required to fit the driver.
7. Open to two-wheel drive, rubber tired tractors. No dual wheels, chains, or spikes.
8. **ALL** tractors must have sufficient shielding of belts, chains, etc. to deflect flying parts to the ground. All vehicles must have functional brakes and steering. Stock tractors must have reverse, and all exhaust pipes (if other than stock) must point up plus or minus 10 degrees.
9. Dead man throttle required for all classes except Lawn Stock, Economy Stock and A & B Stock.
10. All tractors are required to have a kill switch (with a 1" ring) that will kill engine and fuel pump located on back of tractor within 6" of center. Lawn Stock tractors are exempt from this requirement. See individual class rules for specific requirements regarding electric fuel pumps.
11. All children in the pulling area shall be supervised at all times. There shall not be any climbing on or playing around the tractors and equipment used for track maintenance.
12. There will not be any "pullbacks" by the sled. This is because the sled operators have a difficult time steering the sled when pulling a tractor back and it is deemed unsafe.

GENERAL RULES:

1. Pullers must join the Middlesex County Tractor Pullers Inc. A Family Membership is available for a \$40 annual fee. This membership is limited to immediate family members living under the same roof. A One Day Membership is available for the amount of \$20/tractor/day plus \$5 to cover insurance costs for non-members. One Day Members will NOT receive points towards the season totals! Minimum age requirement for stock classes is 5 years old and for all other classes is 12 years old and/or have at least 1 year prior experience in stock classes. The tech committee will conduct driving tests as they feel necessary to ensure that each puller is capable of safely operating their tractor.
2. All tractors must weigh in for each class. Starting numbers will be drawn randomly at the time of registration. You must register for the class you wish to pull in before it begins. Tractors may only pull in one class per event. A fee of \$20/tractor/pull with a cap of \$70 per event must be paid at this time. Again, One Day Members will pay \$20/tractor/pull plus \$5 for insurance. Note: If only entering 950 lb. A Stock Jr. Class, the entry fee will be \$10 for members and \$10 for non-members plus \$5 for insurance.
3. All placing tractors must re-weigh after each class, if not, you will forfeit your winning position if it is contested (this will be at the discretion of the Club Officers and Tech Committee at each event).
4. Length of track will be 200 ft. maximum, 20 ft. wide whenever possible. **No one will pull unless a field judge (flagger) is in place at the time of the hook.**
5. Each puller in each class will have one pull only per heat, unless he/she does not reach the 25 foot mark (shutdown rule: the puller must make it known to the

flagger and or sled operator of his/her intent to shut down within the 25 foot shutdown distance by raising one hand or equivalent). He or she may take the first hitch or have a second hitch immediately thereafter. If a second hitch is taken, the puller must keep the second pull distance.

6. The competitor pulling in the 1st position of each class, determined randomly at time of registration, is considered the test puller. Once the weight transfer on the sled is considered correct for that class the test puller may: A) accept their pulled distance; B) refuse their distance and immediately hook up for one more attempt; or C) refuse their distance and pull in the third position. Third position is considered to be after the next two (2) competitors have pulled. It is the test puller's responsibility to inform track officials of their decision as soon as possible. (Note: dropping back to last position is prohibited unless due to mechanical reasons at which time must be authorized by a member of the Technical Committee.)
7. The drawbar will be 13" from the ground to the top of the hitch and solid to the tractor with no up, down, or horizontal movement. No clevis. Hitch must consist of a horizontal plate or equivalent with the hitch hole perpendicular (looking through the hole you will see the ground) to the ground plane. Drawbar must be no more than 15" from the center of the axle to the rear of the tractor to hitch point. Rear engine tractors are the one exception, with the hitch being as close as possible to the engine. Hitch must be easily accessible for the hook. There shall be ample clearance without any obstruction from weights etc
8. The hitch must have a minimum of a 1.5" hole (a 1.500 dia. steel ball shall pass freely through the hitch hole) No hydraulic or electric hitch systems are allowed. Hitch point must be to the rear of the rear axle centerline.
9. Tractors must have wheelie bars, which will be no more than 5" from the ground, must extend 4" minimum behind the exterior of the rear tires, must have a minimum of 1" square pad or wheel at ground contact point, and must be able to support the weight of the tractor and driver.
10. The 950 lb. A Stock Jr. Class is limited to drivers ages 5-12 years. If a puller starts the season as a junior and becomes 13 during the season, he/she will remain a junior for the remainder of the season (For this purpose, the season begins April 1st. Anyone whose 13th birthday is before April 1st will be considered a senior.).
11. Tear down or other testing may be done to verify that the tractor is registered for the correct class. Driver/owner and two (2) members of the Technical Committee shall be present.
12. All tractors except those pulling in the Super Outlaw class shall be normally aspirated. Superchargers, turbochargers, nitrous oxide injection or any other type of fuel or additive injection or forced induction is prohibited.
13. In the event of a protest by a puller in any given class, if the protestor requests a teardown of a tractor within his/her class, (protestor must be competing in the same class as the tractor in question) the protestor will be required to file a protest form with the Technical Committee. The protestor requesting the teardown will also be required to escrow \$50.00 per tractor with the Club Treasurer at the time of filing. At the completion of the teardown, if the tractor in question is found to be illegal, the money in escrow will be returned to the protestor. The illegal tractor will forfeit all points accrued for the current pulling season.
 - a. In the event the tractor in question is found to be in compliance with all applicable rules for the class, the money will become the property of the puller whose tractor had been torn down.

- b. If a puller refuses to have his/her tractor torn down, he/she will forfeit all points accrued for the year and will not be allowed to pull the tractor in question until it has been approved by the Tech Committee.
- 14. In the event that the puller's kill switch is accidentally pulled, the puller will be allowed to come back immediately or last for a new hook or take the distance they have. This applies to all classes.
- 15. In the event there is no reading from the sled monitor, the puller will come back immediately or last for a new hook. This applies to all classes.
- 16. All pullers will be required to exhibit his/her competency at operating their tractor safely. The tech committee will conduct driving tests as they feel necessary to ensure that each puller is capable of safely clutching, de-throttling, braking, reversing, etc. their tractor.

POINTS SYSTEM

To be eligible for the year end awards, you need to attend at least half of the pulls.

Points will be issued according to the following schedule:

First Place:	50 points.	Second Place:	45 points.
Third Place:	42 points.	Fourth Place:	39 points.
Fifth Place:	36 points.	Sixth Place:	33 Points.
Seventh Place:	30 Points.	Eighth Place:	27 points.
Ninth Place:	24 points.	Tenth place:	21 points.

Eleventh through last places will receive 1 point less for each consecutive place, e.g.: Eleventh Place 20 points, Twelfth place 19 points, etc.

In the event of a cancellation for any reason prior to the start of a pull, there will not be any points awarded. If a pull is cancelled for any reason after any heats have been completed, the points for those heats will be awarded on a regular basis. Any tractor in any heat in any class that did not finish or that did not begin prior to the cancellation will be awarded 25 "show-up" points each.

If a puller signs up for the day and his/her tractor breaks after attempting a legitimate pull in the first heat (under its' own engine power-no starter motor assists etc.), the tractor will receive last place points for the subsequent heats of the day. Tractors will not be required to hook to the sled to receive these subsequent points. Technical DQs will not receive any points for the heat (e.g. overweight, hitch height, over RPM etc.) In the case of a pull-off, any out of bounds tractor will get last place pull off placing (if more that 1 tractor goes OOB, the distance at their respective OOB mark will govern position). Moving violation DQs will receive last place points for the heat (e.g. out of bounds, 2 hands off steering wheel, standing up while pulling etc).

MAKE-UP PULLS

Pulls that are cancelled for any reason will not be made up unless voted upon and approved by the club members. The only exception will be if a Fair is re-scheduled by the applicable Fair Committee.

LAWN STOCK

Lawn stock tractors are intended to be our entry level class. Full pull will be 75 feet. All safety and general rules apply. Any contestant pulling in the Lawn Stock class will not be allowed to pull in any class above B stock. Lawn Stock tractors will be limited to:

1. 20 horsepower maximum. Two cylinders and OHV allowed.
2. Maximum tire size 23" x 10.50" x 12". Non-professional, non-cut, garden tractor tires only. Steel wheels required front and rear. Turf tires recommended.
3. Engine must be controlled by a properly functioning governor to no more than 3600 no-load rpm when contacting a positive stop on the block.
4. Mufflers are required.
5. Stock frame & wheelbase, stock sheet metal (hood, grille, fenders, foot rests) Required. No switching of sheet metal.
6. No lockers or spools allowed. Limited slip is allowed if it was a factory feature for the model registered.
7. Stock front axle, no drop axles or spindles.
8. 2.5 MPH maximum speed as determined by the data recorder on the sled. Tractors exceeding 2.5 MPH will be disqualified.
9. Lawn Stock tractors will pull at 950#.

ECONOMY STOCK TRACTORS

1. Stock wheel base. Stock frame. Hood, grille, fenders, foot rests required. No Half-Pint frames or drop boxes.
2. Tractors may have driveline parts strengthened for durability, but maintain O.E.M. style.
3. No fabricated seat box.
4. No high torque starters.
5. No electric fuel pumps.
6. Stock air cleaner assembly.(No alterations)
7. No velocity stacks.
8. Stock fly wheels only. No cutting, welding, or added weight.
9. No electronic ignition. Chevy points are allowed.
10. No added spinning weight to the crank.
11. Max tire size 23x10.50x12". No cutting allowed.
12. Stock appearing carb up to 1 inch (no aftermarket carbs)
13. 4000 RPM max (zero tolerance)
14. Stock front end in stock location and must pivot.
15. OEM valve size in the stock location.
16. OEM head gasket only (no copper gaskets).
17. Engines may be replaced up to 14 HP max, 1 cylinder flat head air cooled only.
18. Choke must be installed and working.
19. No aluminum wheels must have steel wheels and they can be widened up to 10 inch.
20. Stock head no LP head, no billet heads, no aftermarket recast heads, and no welding of the stock head.
21. Approved head restraints required.

22. All engines must have proper OEM type shrouding.
23. Stock OEM governor set up.
24. Weight is 1050 lbs.
25. Must have kill switch.
26. Front tires no smaller than 3.50x6, tri ribs permitted.
27. Max cam lift .330"
28. Muffler or open exhaust must be vertical plus or minus 10 degrees
29. FUEL - VP C12 green in color only.
30. 72 inches overall length from the center of the rear axle to the farthest point forward including weights.
31. Stock stroke max 3.25"
32. No piston pop up
33. Port and polish allowed
34. No lockers or spools allowed. Limited slip is allowed if it was a factory feature for the model registered.
35. Max bore 3.530"

A&B STOCK GENERAL

1. Tractors may have driveline parts strengthened for durability, but maintain O.E.M. style.
2. Maximum length shall be 72" from centerline of rear axle to farthest point forward including weights. Maximum wheelbase is 52".
3. Switching sheet metal from one make to another is allowed. All tractors must have hood, fenders, grille, seat and footrests, and must maintain OEM appearance.
4. No half-pint style frames allowed. No drop boxes allowed.
5. Fuel for Stock classes shall be VP Racing # C-12, green in color.. No additives are allowed.
6. Tractors must have on-board starters, no starter carts allowed.
7. Spools / locked rears and limited slip differentials allowed.
8. Maximum tire size 23" x 10.50" x 12". Non-professional, *non-cut*, garden tractor tires only. Turf tires recommended
9. Full pull for A & B Stock tractors will normally be 100 feet. However, at the discretion of the Club Officers, when track conditions warrant, the full pull distance may be altered and / or pulling for total distance may be allowed. (In all cases, in the interest of putting on a good show, the full pull for stock classes shall be less than that for all other higher classes.)
10. A Stock will pull at 1050 lbs. B Stock tractors will pull at 1150 lbs. A Stock junior will pull at 950 lbs.
11. All engines must have proper OEM type shrouding.

A STOCK

1. 0 to 14 horsepower single cylinder four cycle flat head air cooled only

2. Factory OEM block
3. Crankshaft must maintain stock stroke.
4. .030" maximum over manufacturers specified cylinder bore.
5. Stock valves in the stock location for any given engine.
6. Stock cast heads or re-cast heads, no billet heads.
7. Engine must be controlled by a properly functioning governor to no more than 4000 no load RPM, when contacting a positive stop on the block.
8. Piston pop-up .030" maximum.
9. Porting and polishing allowed.
10. Reground cams allowed. Maximum valve lift, .330".
11. All engines must have proper OEM type shrouding.
12. Stock (Kohler, Carter, Walbro etc.) butterfly type carburetor with 1.000" venturi maximum. No re-cast or aftermarket carbs allowed.
13. No spacers between block and carburetor
14. Choke plate optional.
15. Velocity stacks and after-market air cleaners allowed.
16. Stock fuel pumps only. Electric pumps allowed only if they are original factory equipment and the tractor is equipped with a kill switch, which kills ignition and fuel pump.
17. Approved head restraints required.

B STOCK

1. 14.1 to 20 horsepower single or twin cylinder four cycle
2. Factory OEM block
3. Crankshaft must maintain stock stroke.
4. .030" maximum over manufacturers specified cylinder bore.
5. Stock diameter valves in the stock location for any given engine.
6. Stock cast heads, no billet heads.
7. Engine must be controlled by a properly functioning governor to no more than 4000 no load RPM, when contacting a positive stop on the block.
8. Piston pop-up .030" maximum.
9. Porting and polishing allowed.
10. Reground cams allowed.
11. Butterfly type carburetor with 1.200" venturi maximum.
12. No spacers between block and carburetor other than the stock intake manifold.
13. Choke plate optional.
14. Velocity stacks and after-market air cleaners allowed.
15. Stock fuel pumps only. Electric pumps allowed only if they are original factory equipment and the tractor is equipped with a kill switch, which kills ignition and fuel pump.

Lite Pro

1. All Lite Pro tractors shall comply with the National Quarter Scale Pullers Stock Altered, Lite-Pro Stock, 30 Cube or Nitro 30 rules in effect at the beginning of the MCTP pulling season (<http://www.nqspulling.org>) and shall remain in effect for the remainder of the MCTP season. Exception being that all tractors will pull at 1000 lbs.

OPEN SUPER STOCK

1. All Open Super Stock tractors shall comply with the National Quarter Scale Pullers rules in effect at the beginning of the MCTP pulling season (<http://www.nqspulling.org>) and shall remain in effect for the remainder of the MCTP season. The only exception is that gasoline engines are allowed.
2. Diesel tractors will run with the Open Super Stock Class. Diesel tractors shall comply with the National Quarter Scale Pullers rules for Limited Pro Stock Diesel Class in effect at the beginning of the MCTP pulling season (<http://www.nqspulling.org>) and shall remain in effect for the remainder of the MCTP season.

SUPER STOCK

1. Maximum tire size 26" x 12" x 12". Cut tires and professional pulling tires allowed; i.e. Dick Cepek, LawnTec, etc.
2. Single cylinder, air cooled, four cycle, flat head, with two valves same side of engine.
3. Sleeves and welding permitted.
4. Maximum engine displacement: 50.5 cubic inches.
5. Open limits on carburetion. No electronic fuel injection.
6. Auxiliary fuel pump permissible.
7. Engine must be naturally aspirated.
8. Intake standoffs and velocity stacks allowed.
9. All tractors must have a hood and grill (nosepiece) and rear fenders. Switching to another manufacture's sheet metal is permissible.
10. May run on pump gas or alcohol. No additives. No nitro-methane. No nitrous oxide. No pressurized fuel tanks.
11. Head girdles and scatter shields required
12. Maximum wheelbase of 56".
13. Must meet most recent NQS rules.
14. S/S tractors will pull at 1050 lbs

OUTLAW

1. Must run factory appearing hood and grill (nosepiece) and rear fenders.

2. No more than 72" long from center of the rear axle to the furthest part forward including weights.
3. No more than 54" wide including weights.
4. Maximum tire size 26" x 12" x 12". Cut tires and professional pulling tires allowed; i.e. Dick Cepek, LawnTec, etc.
5. Maximum of four (4) cylinders. No automotive engines.
6. Must be naturally aspirated.
7. Mufflers required.
8. Outlaws will normally pull at 1300# unless otherwise determined at the pull.

SUPER OUTLAW

1. Maximum number of four (4) cylinders; any combination of reciprocating engines.
2. Maximum of 2337cc's. (Approximately 2.3 liters)
3. Maximum tire size 31" x 15.50" x 15". Cut tires allowed.
4. Maximum tractor length 110 inches from center of rear axle to farthest point forward on tractor, including weights.
5. Automotive in-line engines must have national specification side shield and drive line shields.
6. Mufflers required.
7. Rear bumper pads 8"-15" high, 3" behind rear tire minimum.
8. All turbos must have a 0.060" thick steel shield around them and exhaust pipes must discharge vertically with cross-bolts in end.
9. Tractors are limited to pump gas, alcohol, or diesel only.
10. S/O tractors will pull at 1300 lbs unless otherwise determined at the pull.

1050 lb. Economy B Stock (2019 Trial Year) **25 HP Twin/Single**

Twin Rules

1. Must maintain stock stroke and valve size in the stock location.
2. Max bore .030 over standard for given engine
3. No welding or head work in the combustion chamber.

4. Porting and polishing allowed.
5. No aftermarket valve covers, no head spacers, no roller rockers or cams, and no velocity stack.
6. Stock intake and carb for the engine. (Can run adjustable main jet).
7. May run adjustable flywheel, no cutting, welding, or adding weight. No adding spinning weight to the crank.
8. Max cam lift .330.
9. OEM or copper head gaskets and governor set up with positive stop on the block
10. No aftermarket electronic ignition.

Single Cylinder rules up to 16 HP

1. Cubic inch limit of 39
2. 16 HP must maintain stock stroke.
3. Stock or aftermarket heads allowed, no billet heads.
4. Stock head gasket must fit over the head bolts (can run copper head gasket).
5. No overhead valves.
6. Head restraint required.

General

1. 52" wheel base max. Can run non pivoting front end.
2. Max tire size 23 x 10.50 x 12, no ATV tires, garden tractors only, no cutting tire.
3. VP C-12 fuel only, green in color.
4. Factory appearing sheet metal and frame. Switching of sheet metal is allowed and the frame may be altered for engine installation but maintain factory length.
5. Hitch height no higher than 13".
6. Posi or locked rear allowed.
7. Must have OEM type governor set up with a positive stop on the block in the stock location.
8. RPMs will be 4,000 for twins and 4,250 for all singles.
9. No reverse port engines.
10. No aftermarket fuel pumps.
11. Stock blocks only.

Note: 2019 will be a trial year for this class. This class will be running for year end point awards. There will not be ribbons for this class at each pull.

GROUND FOR DISQUALIFICATION

1. A competitor will be disqualified from the heat in which the offense took place for the following reasons:
 - a. Disruptive behavior
 - b. Unsportsman-like conduct

- c. Reckless operation
 - d. Inability to operate vehicle completely by him/herself
 - e. Not meeting or exceeding class specifications
2. Tractors that contact the foul line at any point prior to the full pull mark for the class while hooked to the sled will be considered out of bounds and disqualified from that specific hook. **The flagger has the ultimate judgment call.**
 3. All weights must be safely secured to the tractor. No weights will be allowed on tractor seats or on the driver. Any excessive or obvious loss of weights or components may be cause for disqualification. Comment: The intent of the rule is for safety and fairness. It is the flagger's decision, if any weights or components fall off the tractor and move to the side of the path of the sled it would not affect the outcome of the pull. However, if the weight or component falls off and goes beneath the sled pan, it may affect the outcome of the pull and therefore the pull shall be disqualified. (The point is that a steel weight or component would make the pan slide easier over it and may increase the distance of the pull.)
 4. Pulling is defined as the tractor moving while the sled itself is in motion.
 5. Obvious or excessive consumption of alcoholic beverages or drugs will be grounds for disqualification.
 6. If disqualified for any reason, that offense must be re-inspected by the Technical Committee.

NOTE: TRACTORS ARE NOT DISQUALIFIED UNLESS A TRACK OFFICIAL SPECIFICALLY NOTIFIES THE STATISTICIAN AND/OR ANNOUNCER PERSONALLY BEFORE THE NEXT HITCH.

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