

*Northeast Sled Services LLC
2021 General Pulling Rules
Farmstock and Antique Tractors*

GENERAL CONTEST RULES

- 1) Violation of any rule will constitute a disqualification.
- 2) All operators must attend drivers meeting at signup area 15 minutes before pull starts.
- 3) Contest will be governed by 3 or more judges, with all decisions final.
- 4) Judges may disqualify any operator for not operating safely.
- 5) No coaching on track unless you are a new puller.
- 6) Packing of track with you're tractor or others tractors to improve track conditions for you're hitch not allowed.
- 7) Any protests against operators and/or equipment must be made before or during class, and then only by another operator in that class. Whoever launches the protest will have their tractor for that class teched also. NO EXEPTIONS
- 8) Tractors may be entered in no more than 2 classes per event, and only once per class. Unless otherwise stated in the drivers meeting.
- 9) Only track personnel and operator of tractor hitched to sled allowed on track. No spectators or other drivers.
- 10) The number one puller is the test puller – They may or may not take the first pull – the driver must decide when still hooked to the sled – If the 1st pull is not taken, they MUST pull again immediately.
- 11) Each vehicle MUST come to the start line with a draw bar with minimum OPENING OF AT LEAST 3 INCHES (CLEVIS PERMITTED).
- 12) Judges have option of moving start line between classes.
- 13) Tractors not ready when it is their turn to pull for any reason will pull last. No slipping into middle of class to pull.
- 14) Any object that hits the pulling track from the tractor while hooked to the sled is cause for disqualification – including weights.
- 15) Any vehicle that leaves the course of boundary lines will be disqualified – The vehicle in this rule being tire tread, also the boundary to be determined by the judge.
- 16) Generally random draw order, to be drawn at sign-up.
- 17) At least two entries per class or class will be canceled.
- 18) No shifting of t/a or case-a-matic and so-on unless it is decided at meeting before the pull.
- 19) Operators have the option to spot the sled anywhere on the start line as long as prior notice is given to sled operator.
- 20) All pulls to start with a tight chain. No jerking allowed. May be cause for disqualification.
- 21) Contestants allowed two attempts within 50 feet to make a measurable pull. Must re-pull immediately.
- 22) If there is a problem with the sled during your hitch, you will be asked to re-pull when sled is corrected.
- 23) If you disrupt a pull, or are caught tampering with others tractors you will be told to leave immediately.

All rules will apply at registration time.

All vehicles MUST be ready to pull at time of registration – including fueled and safety equipment in place.

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OPERATORS

- 1) Written permission of parent or guardian if operator is under 18. Parent or guardian and minor must also sign minor release and waiver of liability and indemnity agreement.
- 2) Tractor owners and operators assume full responsibility for negligence and accidents caused thereby.
- 3) The driver must remain in seat during pull.
- 4) 7) Any UNSPORTSMANLIKE conduct will be an IMMEDIATE DISQUALIFICATION of tractor and driver.
- 8) ANY USE OF ALCOHOLIC BEVERAGES AND/OR DRUGS WILL BE AN IMMEDIATE DISQUALIFICATION OF TRACTOR AND DRIVER
- 9) Driver and tractor may be disqualified or moved to the rear if they hold up the event

GENERAL SAFETY RULES

- 1) ANY USE OF ALCOHOLIC BEVERAGES AND/OR DRUGS WILL BE AN IMMEDIATE DISQUALIFICATION OF TRACTOR AND DRIVER.
- 2) All tractors must have brakes that work.
- 3) The driver MUST have complete control at all times – NO HOT RODDING
- 4) Tractor must be stopped immediately upon signal from the judge.
- 5) Tractor must be in neutral or park when hitching and unhitching from the sled, and both hands must be held out towards sides to signify that you have done so.
- 6) Must have all wheels in place.
- 7) NO PASSENGERS AT ANY TIME.
- 8) 2 ½ pound fire extinguisher (ABC) recommended in all classes.
- 9) Any weight must be secured – No weight on floorboards or in cabs.
- 10) Spectators and other operators not allowed on track.

WEIGHTS AND BRACKETS

All classes

- 1) Added weight brackets and weights must be securely attached to the frame or wheels.
- 2) Nothing to be directly above or 6 inches behind rear wheels, (except wheelie bars (should be 10"))
- 3) No weight or brackets to interfere with hitching.
- 4) Weights may be no more than 11 feet forward of the centerline of the rear axle. This includes weights or brackets.
- 5) No weights to be on floor, foot rest, draw-bar, seat, in cab, or on 3pt links.
- 6) No weight to be moved between you're tractor and any other tractor competing in the same class.

HITCH

- 1) Minimum of 18" behind centerline of rear axle. Maximum of 36" behind centerline of rear axle.
- 2) No more than 20" from surface of scales.
- 3) No more than 1 ¼ inches steel from hook point to the back of the hitch. (towards sled)
- 4) 3 inch minimum opening for the hook to pass through.

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RPM'S In all classes will be checked by tech pulling the throttle, not the driver

ANTIQUE STOCK

- 700 PTO RPM max.
- 800 max for fords and others with 700 factory rated rpm from factory
 - Puller must provide literature to prove this.

ANTIQUE ENHANCED, OPEN

- 2750 ENGINE RPM max for all inline engines (Farmall, Oliver, etc.).
- 1800 ENGINE RPM max for all John Deere 2 cylinder

FARM STOCK

- 700 PTO RPM max for tractors equipped with 540 rpm shaft
- 1200 RPM max for tractors equipped with 1000 RPM shaft
 - If factory rated higher than 1000 then 1300 allowed. Puller must provide proper documentation

HOT FARM

- 3000 ENGINE RPM max

WHEELIE BARS - ALL TRACTORS are required to have wheelie bars installed, they must be built to NATPA specs.

Hot Farm

- ❖ 2.5 inch turbo outlet MAX
- ❖ No non-farm engines allowed
- ❖ No cut tires allowed
- ❖ Must have NATPA spec wheelie bars
- ❖ Must have deadman throttle
- ❖ Must have crossbolts in exhaust
- ❖ May not pull more than 500 lbs light in any class
- ❖ Emergency air shutoff mandatory. Must be in rear center of tractor.
- ❖ Must have a 4:1 blast rating or equivalent blanket or 3/8" steel shield around bell housing and clutch area. Steel flywheel (sfi) strongly recommended

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WEIGHT CLASSES

Antique	2,500-14,000
Enhanced	3,000-9,000
Open	4,500, 5,000, and 5,500
Farm stock	9,000-14,000
Hot Farm	11,000, 12,000

MPH PER CLASS

<u>CLASS</u>	<u>WEIGHT</u>	<u>SPEED</u>
Antique	2,500-6,000	3.5 mph
	7,000- up	5.0 mph
Enhanced	2,500-5,000	5.0 mph
	5,500-9,000	7.0 mph
Open	all	none
Farm Stock	all	discretionary
Hot Farm	all	none

MPH GUIDELINES

For the mile per hour pulls there will be a cone positioned at 100 feet. In all mph classes you may get the horn all you want up till the front of the sled (buck board) passes the cone. Any horn once the sled passes the cone will be considered a disqualification for that hook. Please remember this was voted on collectively as a group.

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ANTIQUE TRACTORS – STOCK

Defined as a tractor that has had no aftermarket performance enhancing parts added within the engine, transmission, or rear-end (final drives). STOCK STROKE. Engine parts within that model line are acceptable. Example; JD A all years, IH M-SM, etc. OEM size over bores allowed, resurfacing head allowed. Transmission and rear-end remain stock. Must have engine as OEM mass produced for that model tractor.

MPH 3.5 mph up to 6000 5 mph from 7000 and up.

SPECS

- 1) Stock out of the field antique tractors, 1960 or older, rubber tired standard ag tread set in forward motion. Steel wheels will be allowed if you provide enough planking to protect the scales.
- 2) No cut or ground tires allowed in stock class. No duals, studs, or chains.
- 3) No enhanced tractors allowed in stock class.
- 4) Two wheel drive only; four wheel if front is disengaged.
- 5) No alternative fuels (alcohol etc...) or gasses (such as nitrous) allowed. Gasoline or diesel only.
- 6) Hood, grill, and fan shroud must be in place if tractor was sold new with these items.
- 7) No pulling from 3 pt hitch or other links hitched above centerline of axle. Exceptions include older Fords and Fergusons with-out draw bars. **Also farmalls with 2pt hitch or quick hitch, these all must have the hydraulics disabled to the lift arms. Lift arms must also be mechanically stabilized (meaning blocked) at 20 inches or less.**
- 8) Maximum drawbar height will be 20 inches to the top of drawbar from ground. This will be measured from top of fixed hitching device while on scales or parallel to level ground.
- 9) Minimum length of drawbar is 18 inches form centerline of rear axle, measured to point of hook contact from sled or boat.
- 10) Maximum length of drawbar will be 36 inches from centerline of rear axle, measured same as rule# 9.
- 11) No vertical movement allowed in drawbar. No exceptions.
- 12) All tractors pulling must have a hole (opening) in drawbar or clevis **NO SMALLER** than 3 inches. Standard or twisted clevis will be allowed.
- 13) Exhaust strait up or under tractor pointed directly toward pan of the sled. Must be total of 18 inches of exhaust length from manifold to be legal.
- 14) **MUST** have working rear brakes to compete.
- 15) Stock class must have working PTO.
- 16) Governor by-pass or over-speeding prohibited. RPM to be checked at PTO. 700 rpm's max. Fords will be allowed 800 rpm's.
- 17) If dyno is present, top tractors may be asked to hook to it. If they fail, awards go to next tractor in line provided they pass. Max hp allowed is 20% over Nebraska test. If not listed, mfg. specs. from owner/operators manual to be provided by operator.
- 18) Non OEM filter systems and exhaust allowed.
- 19) Currently no tire size restrictions.

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ANTIQUÉ TRACTORS - ENHANCED

Defined as a tractor that has been changed from stock form. May have engine enhancements that are not OEM. May have stroked crank, extensive head work; planed, larger valves, etc..., larger bores and aftermarket cams or cam modifications. Must have stock OEM blocks. Stock transmissions and rear-ends (final drives). Any size or width tire ok. (if you can turn it bring it!) Stock antique rules apply. 1960 or earlier only. This class will compete using miles per hour.

MPH 5.0 up to 5000 lbs 7.0 from 5500 and up
SPEC

- 1) Rear fenders to protect driver and dead man throttle strongly recommended.
- 1) Gas tractors must have working tether type ignition kill switch in rear center of tractor. Must be unimpeded by weights, brackets, tractor parts or housings of any kind. They will be tested.
- 2) Diesel tractors must have a working tether that kills all air to engine intake when pulled (guillotine, etc.). These must be unimpeded also. These will be tested also.
- 2) Turbos allowed.
- 3) Cut tires allowed as voted. Top and full cuts ok
- 4) Diesel and gasoline only. No alt. fuels (alcohol etc.) or gasses (nitrous etc.) also no water injection (or any other compression increasing agent)
- 5) Engine rpm max 2750 rpm allowed for inline vertical engines, and 1800 rpm for John Deere.
- 6) No PTO required at this time.
- 7) Fan shields required.
- 8) Engine compartment side shields required.
- 9) Fire extinguisher required
- 10) Wheelie bars required. Built to N.A.T.P.A. specs
- 11) Class will go from 3000 to 8000 pounds
- 12) Turbo tractors must have cross bolts of at least 3/8 inch through exhaust pipe if turbo charged.
- 13) Exhaust pipe must be clamped to manifold

HITCH REQUIREMENTS

- 1) Minimum of 18" behind centerline of rear axle. Maximum of 36" behind centerline of rear axle.
- 2) No more than 20" from top of drawbar from surface of scales.
- 3) No more than 1 1/4 inches steel from hook point to the back of the hitch. (towards sled)
- 4) All tractors pulling must have a hole (opening) in drawbar or clevis **NO SMALLER** than 3 inches.

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ANTIQUUE OPEN TRACTORS

Defined as tractors that can have turbos. They have extensive engine modifications. PTO's are not required. These will compete with no speed restriction.

SPECS

- 3) PTO not required
- 4) Full cut tires ok
- 5) No nitrous, No alcohol engines
- 6) Gas tractors must have working tether type ignition kill switch in rear center of tractor. Must be unimpeded by weights, brackets, tractor parts or housings of any kind. They will be tested.
- 7) Diesel tractors must have a working tether that kills all air to engine intake when pulled (guillotine, etc.). These must be unimpeded also. These will be tested also.
- 8) Must have a 4:1 blast rating or equivalent blanket or 3/8" steel shield around bell housing and clutch area. Steel flywheel (sfi) strongly recommended
- 9) Must have engine side shields of 1/8th inch or better steel.
- 10) Must have fan shroud, or electric fan. Electric fan preferred.
- 11) Must have wheelie bars built to N.A.T.P.A. specs.
- 12) No slipper clutches, standard clutches only.
- 13) Must have 2 1/2 pound ABC fire extinguisher.
- 14) Turbo tractors must have cross bolts of 3/8 inch through the exhaust pipe, exhaust pipe firmly clamped to manifold
- 15) Should have fire suit and helmet
- 16) Ladder bars strongly recommended.
- 17) Engines must also be same oem manufacture as tractors
- 18) Fenders or tire shields protecting the driver required.
- 19) Must be original wheel-base.
- 20) No frame modifications.
- 21) Dead-man throttle required.

HITCH REQUIREMENTS

- 1) Minimum of 18" behind centerline of rear axle. Maximum of 36" behind centerline of rear axle.
- 2) No more than 20" from surface of scales.
- 3) No more than 1 1/4 inches steel from hook point to the back of the hitch. (towards sled)
All tractors pulling must have a hole (opening) in drawbar or clevis **NO SMALLER** than 3 inches. Standard or twisted clevis will be allowed

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FARMSTOCK

Defined as tractors that are stock and are in out of the field condition. With mild enhancements. However these tractors should be able to perform a full day's work without having to adjust from pulling.

MPH 7.0 up to 12000 lbs No restriction above 12,500

SPECS

- 1) Same as antique rules with few exceptions
- 2) Must be oem sized turbo
- 3) No cut tires
- 4) Gas or diesel only, no alcohol or nitrous, no water injection
- 5) 700 PTO rpm max for 540 tractors 1200 rpm for tractors with 1000 rpm shaft
- 6) must have working PTO

HOT FARM

Defined as enhanced engine with stock transmission and rear-end. Would not be used on day to day farming operations. Too hot to compete fairly with "farmstock" tractors. These tractors will compete with no speed restrictions.

- 1) Rollbar and seatbelts strongly recommended.
- 2) Must have a 4:1 blast rating or equivalent blanket or 3/8" steel shield around bell housing and clutch area. Steel flywheel (sfi) strongly recommended
- 3) Diesel only, no propane alcohol
- 4) 2.5 inch max in and out turbo, 466 max cubic inch
- 5) 3000 engine rpm's
- 6) NO non farm engines, engines must be of same manufacture as tractor. (no truck engines)
- 7) Cross bolts of 3/8 inch in exhaust pipe, pipe clamped firmly to manifold
- 8) Steel flywheel preferred
- 9) Wide front-end only.
- 10) Must maintain original wheel-base
- 11) Air shut of mandatory must be in rear center of tractor, and unobstructed
- 12) Fenders mandatory
- 13) No frame modifications
- 14) "P" pump max allowed
- 15) Water injection allowed
- 16) Exhaust must be vertical and straight
- 17) Must have engine compartment side shields.
- 18) Ladder bars highly recommended.
- 19) Deadman throttle required.

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V8 ANTIQUE 1960 OR OLDER

Helmets required

Engine requirements;

Gas engine only.

410 cubic inch maximum. Big or small block.

Dual plane intake required.

.490 inch valve lift as measured at valve (Not the cam) maximum. Solid lifters required. This by itself will govern engine rpms fairly across all makes of engines.

Upright open headers allowed.

Single carburetor only, may be a 2 or 4 barrel.

Chassis requirements;

Transmission and rear axle must be stock to tractor being used.

Must have roll bar, cage preferred.

Must have seatbelt.

Must have 4 to 1 blast rated blanket or 3/8 steel shield around flywheel housing.

No pto required.

2 ½ lb abc dry chemical fire extinguisher required.

MUST HAVE WHEELIE BARS AS PER N.A.T.P.A.

Must have centrally located unobstructed kill switch

Hitch requirements

- 1) Minimum of 18" behind centerline of rear axle. Maximum of 36" behind centerline of rear axle.
- 2) No more than 20" from surface of scales.
- 3) No more than 1 ¼ inches steel from hook point to the back of the hitch. (towards sled)
All tractors pulling must have a hole (opening) in drawbar **NO SMALLER** than 3 inches. Clevis not allowed.
- 4) Hitch must be made of ¾ inch thick material, and 2, ¾ inch or better fasteners.

Weights and brackets

Same as all other classes.

Tires

No 30.5x32 in tires allowed.

Sharpened tires allowed.

No duals allowed.

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