Track and Safety Rules

1. REMEMBER – Everyone pulls at their own risk. ANY injuries are your own responsibility!
2. All tractors must pass a yearly safety inspection before pulling. See technical coordinator
3. **Board of Directors have the right to disqualify anyone they feel is operating a tractor in an unsafe or reckless manner or shows unsportsmanlike conduct with no refund of entry fees**
4. In the event of unsportsmanlike conduct, a written warning will be issued. If a second offense occurs within the same year, suspension for a period of time deemed appropriate by the board of directors or loss of membership may occur.
5. Verbal or physical attacks on the flag man, sled operator or any other person, is an automatic disqualification for the days’ pull. A written warning will be given at the time of issue. The person receiving the warning has 30 days to appeal. They will meet with the board of directors
6. All drivers of garden tractors must be at least 5 years of age and be able to always handle their tractors. Adults can help kids until tractor is in motion
7. Pullers must sign an insurance waiver form at the time of entry. Any participant under 18 years of age must have a parent or guardian sign the insurance waiver after their own signature. If required.
8. Helmets, long sleeved shirts (buttoned or zipped and covering the arms), long pants, closed toes shoes, and eye protection is required and must be worn by all drivers in all classes. Drivers of alcohol tractors must use fire suits. Safety and tech requirement signs will be posted at the sign in table and scale. Helmets must be DOT/Snell approved. Final decision on whether helmet is acceptable or not will be made by the coordinator.
9. Tractors may only enter once per class
10. A qualified person MUST always be in attendance of the tractor while the engine is running

Track and Safety Rules

1. Once the drivers have taken their position, they must pull in that position or forfeit the pull (unless permission is received from the Board of Directors). If the entry sheets have left the secretary’s table when you enter (example: late arrivals), you will not pull a number, but be out in the last position in that class.
2. Class jumping is allowed in all stock classes; however, you must follow class specs. You may jump one class per day, per tractor. To run for season points in both classes you must pay class dues in both classes. You may go up a class, but not down a class. Open PRM tractors may pull in up to 3 classes following their class rules.

1. All tractors must weigh in with all safety equipment before pulling. Rearranging of existing weights is allowed. You can be called back to the scale for re-weighing.
2. The flag person is on the track for one reason. – **SAFETY!** Tractor operators are to always watch the flag person. A red flag means to **“STOP IMMEDIATELY!”** The flag person is to be 16 years of age (or discretion of Board Members) or older and a member of Rock County Pullers, INC. **THE FLAG PERSON HAS THE FINAL SAY ON ALL TRACK DISCREPANCIES.**
3. All tractors will be hooked and unhooked in NEUTRAL. All tractors will be pushed back to the sled to be hooked and unhooked. Hands will be off the steering wheel when being hooked to the eliminator.
4. No jerking off the chain at the starting line.
5. All pullers must pull within three (3) minutes of sled readiness or be disqualified
6. All drivers must not leave their seat during their pull
7. All drivers must have always at least one hand on the steering wheel. Repositioning hand on steering wheel will not be a disqualification

Track and Safety Rules

1. Any part of the tire going out of bounds is cause for disqualification. During floating finishes – once measured track is past, there is no out of bounds. Loss of anything except fluids on the track while under the green flag is an automatic disqualification. Breakage or mechanical problems pull in last spot. In the event that the sled is reweighted, the first puller can come back immediately or drop to third or last
2. All pullers have two attempts of 50 feet to start the sled. 2nd attempt is the final attempt. Disqualified tractors may not re-pull
3. Tractors involved in a “pull off” will have one attempt only. Tractors must pull in the order they qualified

**General Tractor Rules For All Classes**

1. BRAKES – All tractors must have a working rear wheel or drive shaft brakes.
2. KILL SWITCH – All tractors must have a working kill switch.
3. FRONT ENDS – All tractors must have wide front ends with two wheels.
4. REAR TIRES – Tires may be of any design. However, they may NOT be more than 26x12x12. There will be no duals, chains, recaps or fluid filled tires for any class. No chemical additives on tires.
5. WHEELIE BARS – All tractors must have wheelie bars with wheels or pads. They cannot be less than 5” from the face of the drive tire to the center of the wheelie wheel or pad, and not higher than 5” from the ground to the bottom of the wheelie wheel or pad. Pads must be a minimum of 3” square. Wheelie bars must support the weight of the tractor.
6. HITCH REGULATION – Rigid in all directions; 1 1/2” minimum diameter hole; no ball hitches, 13” maximum height from the ground; hitches are to be measured at the hook point with driver on the seat
7. No portion of the tractor shall interfere with the sled hitch during pull. Comment: Many times, the starting line becomes torn up, which will cause the front of the tractor to be lower than the rear tires. This may cause an interference of the cross bar for the wheelie wheels/pads. The intent of the rise is not to interfere once the pull is underway
8. Nitrous oxide, superchargers, or blowers are NOT allowed in a classes.
9. Electric fuel pumps ARE allowed in all classes
10. All tractors will have a minimum of a 3” seat back
11. The starter puller must be built out of billet steel or aluminum and secured with a bolt in the end of the crankshaft for all open rpm tractors
12. All tractors must have a dead-man throttle
13. Exhaust must be pointed vertically up, with no more than 30 degrees variance or underneath tractor pointing out the rear. Exception being factory stock (muffled exhaust system)
14. Fire extinguishers are required on all tractors and must be a minimum of 1lb.

**CLUB DEFINITION OF STOCK CLASSES**

(Naturally aspirated diesel engines will be allowed, rated at peak intermittent horsepower)

12 HP and Under RESTRICTED ‘Kids Class’(5-12 years old)

12 HP at 950 lbs. 10 HP and under at 975 lbs. 4000RPM

12 HP and Under (Max 30 CID) at 1050 lbs. 4000 RPM

14 HP (Max 34 CID) at 1050 lbs. 4000

18 HP (Max 34 CID Single, 50 CID Twin) at 1050 lbs. 4000 RPM

\*\*16 HP & less Flathead Single Cylinder can run with 18 HP at 1075 lbs.\*\*

25 HP at 1050 lbs. 4250RPM

30 HP 1125 lbs. 4250RPM

(25 HP and 16 HP stock altered can run in class see class rules)

1. All general tractor rules apply – please review them (see tire restrictions on page 5)
2. Stock class tractors must be of lawn and garden type. Their transmission and rear end must be of lawn and garden type. Transmission and rear end mat have internal modifications or pulley changes. A commercial built stock garden tractor engine only. Locked up rear ends are permitted
3. Stock garden tractor engine. Unaltered (STOCK) OEM parts or stock- specification replacement parts for that size engine only (.030 overbore allowed). No porting or polishing allowed. Chevrolet points and cover are allowed. Allow any stock length bearing inserted rod for that make and model engine.
4. Factory release carb for that engine only
5. Maximum engine no-load RPM is 4000 (single cylinder) 4250 (25 HP & 30 HP) with no variance. The club tachometer will be used. One official will read the tachometer and one will operate the throttle. Unannounced, random checks will be done from time to time. Failure to test will cause disqualification for that round. Tractor operators must provide easy access for the tachometer
6. Manufactured garden tractor frame, any rear fenders and hood modified for engine replacement, wheelie bars, hitch mountings or changes, exhaust pipes, weight bars and 26x12x12 tires with factory markings. Stock frame lengths must be maintained with a maximum 56” wheelbase unless otherwise factory equipped, with the exception of a multiple engine 25 HP tractor
7. Front tractor weights and bracket may not protrude more that 96 inches form the center of the rear axle
8. Minimum requirements: All stock class tractors must have enclosed clutches, and flywheels. All belts, chains, and pulleys must be shielded from spectators. These classes are to use factory shields or 1/16” steel or 1/8” aluminum. +
9. After-market air filters with a maximum of 1” adapter will be allowed in all stock classes. Velocity stacks allowed.

**30 HP OUTLAW STOCK**

(2020 Season Trial)

1. 30 HP stock Tractors compete at 1125 lbs. at 12 ½” hitch at 4250 RPM
2. 25 HP stock tractors compete at 1150 lbs. at 13” hitch at 4250 RPM
3. 16 HP stock altered compete at 1050lbs (Ngtps Rules)

**CLUB DEFININTION OF ALTERED-STOCK CLASSES**

12 HP at 1050 lbs. – Gas or Alcohol

16 HP 1050 lbs. (NQS RULES)

1. All general rules apply – please review.
2. May use a 12 HP, single cylinder flathead garden tractor engine only. Stock bore (.030 over allowed with an additional .015 for cleanup purposes), stock stroke, stock valves, stock appearing garden tractor carburetor – **1.200 max. size for gas and 1.000 max size for alcohol**, steel cam allowed (Max 0.330 lift with lash), billet head allowed, 1” carburetor standoff. The cylinder head must be strapped with substantial restraint.
3. Manufactured garden tractor rear-end housing may be modified and locked up
4. Hoods, grills, and rear fenders are required
5. May have home built or lengthened frames, with a maximum wheelbase of 56 inches, and maximum width of 60 inches. Front tractor weights and bracket may not protrude more than 96 inches from the center of the rear axle
6. Minimum requirements. All tractors must have enclosed clutches and flywheels using 1/8” steel or ¼” aluminum. All belts and chains must be shielded on the top and sides (frame – OK) with 1/8” steel or ¼” aluminum. Side plates the length of the block and 6 inches above and below the center line of the crankshaft with 1/8” steel or ¼” aluminum. **Steel flywheel required.** All cylinder heads must have substantial head restraint. Side plate opposite of cam required

**CLUB DEFINITION OF MOD-STOCK CLASSES**

18 HP & 30 CUBE at 1050 lbs.

1. All general rules apply – please review
2. May use up to an 18 HP garden tractor engine, single or twin cylinder flathead garden tractor engine only. Stock bore (.060 over allowed with an additional .015 for clean-up purposes), stock stroke, garden tractor type carburetor. May use alcohol or gasoline. After-market blocks allowed
3. Manufactured garden tractor rear end housing
4. Manufactured garden tractor transmission housing
5. May have home built or lengthened frames, not to exceed 96 inches in length from the center of rear axle to the furthest point forward, and a max width of 60 inches
6. Hoods, grills, and rear fenders are required
7. Minimum requirements. All mod-stock tractors must have enclosed clutches and flywheels using 1/8” steel or ¼” aluminum. All belts and chains must be shielded front, the top and sides using 1/16” steel or ¼” aluminum. Drive Shafts must be shielded on the top sides (frame – OK) with 1/8” steel or ¼” aluminum. Side plates the length of the block and 6 inches above the center line of the crankshaft of 1/8” steel or ¼” aluminum opposite cam side. **Steel flywheel required.** All cylinder heads must have substantial head restraint.

**CLUB DEFINITION OF NGS OPEN SUPER CLASS**

OPEN SUPER STOCK

1. All general rules apply, except the following:
	* Shielding: Engine shields rules: 1/8” steel or 3/16” aluminum on external side of cylinder extending from head to gasket to frame. Shields must be attached to frame at bottom and to flywheel shield at top to make rigid
2. No motorcycles, snowmobile, aircraft, marine, or automotive type of engines permitted. Block may be copied but must meet basic manufactures specs
3. Maximum of 3-cylinder engines, no cut down. 4 cylinder or larger engines permitted. Diesel fueled engines see diesel rules below
4. 75 cubic inches max
5. Diesel Rules:
* Factory 3-cylinder engines only. No cut down 4-cylinder models
* Water injection permitted. Water or water-soluble oil mix only!
* No overhead camshaft engines
* Stock OEM intake and exhaust manifolds only. Porting is allowed, no tube manifolds
* Stock or component frame with stock appearing garden tractor or farm tractor modeled sheet metal. Tube chassis is allowed but must be covered with sheet metal. Engine side shields are 1/16” thick
* No billet fuel injection pumps or electronic fuel injection
* Limited to one (1) turbocharger
* NO intercooler or ice boxes
* Kill switch must shut off electronic fuel pump and close air intake shutoff on compressor side of the turbo
* Exhaust of turbo must have a cross on it as close to turbo as possible. Minimum of 5/16” bolts through pipe in a X pattern. Pipe to discharge vertically
* Engine must have a ¼” cable around oil pan and valve cover between #1 and #2 cylinder secured with 2 clamps. Steel flywheel is mandatory with inspection hole in shielding
* Flywheel, front cast, pulleys, and clutches must be shielded 360 degrees with 1/8” steel or 3/16” aluminum. SFI blankets are allowed
* No belt driven fans allowed. Must be electric
1. Any type of natural induction is allowed. Methanol only in non-diesel engines. Flat heads can run Nitro.

**CLUB DEFINITION OF NGS OPEN SUPER CLASS Continued**

OPEN SUPER STOCK

1. Battery powered rules:
	* Motors must have a motor shield, minimum 1/8” steel or 3/16” aluminum
	* Each battery or battery pack must be secured with bolts
	* Flooded batteries must be completely enclosed. AGM, gel, and lithium batteries do not require this
	* All traction must be isolated from the chassis
	* All battery packs must have over-current protections. Circuit breakers or fuses. Device must have a DC voltage rating equal or greater than the nominal voltage back
	* All tractors must have a “live” indicator visible to all
	* Traction battery pack must be physically disconnected when switch is on the off position. Electrically or mechanically operated contactors are allowed. The “kill” switch or safety contactor may not routinely open or close under load. Semiconductors or controller shutdown are not sufficient
2. Must get pow
3. Class weight is 1150 lbs.

**CLUB DEFINITION OF FLATHEAD SUPER STOCK CLASS**

1. All general and safety rules apply
2. Must follow National Garden Tractor Pulling Series Rules ([www.ngtps.org](http://www.ngtps.org))

**CLUB DEFINITION OF PRO OUTLAW**

1. All general and safety rules apply
2. Must follow National Garden Tractor Pulling Series Rules ([www.ngtps.org](http://www.ngtps.org))

**PROTESTING RULES AND PROCEDURES**

1. Free protest of weight, hitch height, for stock tractors – RPM (3800), length of vehicle with weight bar extended, or any safety equipment
2. $50 protest fee for head removal, carb removal (check size), or header removal. You must specify what you are protesting. This is not a fishing expedition. For example: bore, stroke, head lip, valves, lift, etc. which can be measured
3. $125 protest fee for full teardown to look at camshaft, crankshaft, bore slant, etc. You must specify what you are protesting

**In addition to the above, the protestor will also be checked for the same item(s) that is/are being protested**

If the tractor is found **legal**, the owner will receive protesting monies from the protestor. If found **illegal**, the protestor will have his monies returned. If the findings are inconclusive, a settlement will be negotiated between the protestor and the protested party with the Board of Directors acting as mediator

1. All protests must be made in writing and signed by the protestor. **No second-party protests**
2. Protests are to be made within 30 minutes of the end of the class. No next day or next pull protests
3. The Board of Directors may also tear down
4. Tear downs will be done at the end of the day’s pull. All specifications of the tear down will be documented
5. The tear down may be observed by the protestor and Board of Directors. The protestor must bot participate in any way with the tear down
6. The protestor must be a member of the class and be a participant of that class on the day of protest. No pooling of money
7. Technical Violations: for safety “tech inspection” to include shielding, drive loops, head straps, “wheelie” bars, etc. will result in written notice of warning
8. The decision of the Board of Directors is final and shall not be appealable. However, with a showing of reasonable and good cause, the Board of Directors may, without liability reverse, revise or negotiate settlements between any members of protestors. Calls od judgement are not subject to appeal and shall be final
9. Before any tractor which has been found guilty of a rule(s) infraction may complete again, proof of legal status must be confirmed

**TEAR DOWN RULES FOR ALL CLASSES**

**Engines may be partially or completely disassembled deemed necessary by technical coordinator. Complete tear down procedures for all classes on file with the Board of Directors. Tractor owners will be required to disassemble their tractor. Refusal is a disqualification**

**\*\*\*NOTICE\*\*\***

Violations of any of the aforementioned rules shall constitute disqualification. We ask everyone to comply with the rules and regulations. Penalty for cheating will result in loss of points accumulated to the date of the infraction and possible disqualification for up to one year and ten days

An appeal can be made to the Board of Directors in writing and with background information according to the by-laws. If the board is in 100% agreement, a special board meeting will be held. Agreement reached at this time will be final and must be completed within 30 days of the filing of the appeal