

# Central Illinois Garden Tractor Pullers

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2022-2023 Rule Book

**All Rules are locked in for 2 years**

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## **2022 CIGTP Officers**

President	Jim Turner	217/932-3098	9844 N 450 <sup>th</sup> St	Martinsville	62442
Vice-President	Billy Ghast	217/932-3328	400 NW 2 <sup>nd</sup> St	Casey	62420
Secretary/Treasurer	Sherri Snearley	217/276-6672	PO Box 336	Martinsville	62442

## **Stock/Hot Stock/Twin Cylinder Rules Committee**

Randy Stephens	217/232-4512	2778 N 900 <sup>th</sup> St	Annapolis	62413
Randy Gross	217/251-3771	512 W. Monroe St	Paris	61944
Jim Snyder	217/240-0029	PO Box 116	Montrose	62445
Billy Cook	217/508-8598	8 S Pine Street	Villa Grove	61956
Garrett Stephens	217/994-1970	3382 N 1100 <sup>th</sup> St	West York	62478

Back-up: Matt Cummings and Billy Ghast

## **Super Stock Rules Committee**

Tim Coffey	217/232-8306	523 N Prairie St	Ashmore	61912
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## **2022-23 Membership Information**

If you are interested in becoming a member of the Central Illinois Garden Tractor Pullers, contact the CIGTP secretary to obtain membership forms. Completed membership forms should be sent directly to the CIGTP secretary listed above..

### **DUES-MEMBERS:**

Dues will be \$30 for the first tractor and \$15 per tractor following, this is a family/multi tractor plan.

### **DUES-NON-MEMBERS:**

Non-member tractors pulling as a guest will pay a \$15 insurance fee per tractor. At the second pull, the non-member will pay a \$15 insurance fee and then will automatically become a club member.

Members will receive a set of the rules upon payment of dues. A CIGTP tech tag will be issued after the tractor has been inspected. The tag must be placed on the kill switch of the tractor as proof that it has been inspected. A flyer will be mailed to all members reminding them of each pull. All pulls will be scheduled on a first-come first-serve basis.

## **2022-23 PULLING CLASSES**

### **STOCK CLASSES – DIVISION I**

- 850 lb. - 10 HP Kids Class (ages 4-10)
- 900 lb. - 10 HP and under
- 950 lb. - 10 HP and under

### **HOT STOCK CLASSES - DIVISION I**

- 1050 lb – 12 HP
- 1100 lb – 12 HP
- 1050 lb – 14 HP
- 1100 lb – 14 HP
- 1100 lb – 16 HP
- 1150 lb – 16 HP

### **STOCK TWIN CYLINDER CLASSES – DIVISION II**

- 1050 lb – 20 HP & under
- 1100 lb – 20 HP & under
- 1050 lb – 25 HP & under
- 1100 lb – 25 HP & under

### **SUPER STOCK CLASSES – DIVISION III**

- 1050A lb. – 20 HP and under
- 1050B lb. – 20 HP and under

## **Central Illinois Garden Tractor Pullers** **2022-23 Sponsor Information**

### **SPONSOR’S CHECKLIST FOR SPONSORING A GARDEN TRACTOR PULL**

- \_\_\_\_\_ Contact an executive board member to confirm possible date.
- \_\_\_\_\_ Preparation of track & pit areas:
  - track surface and subsurface
  - Pit area should be large enough for up to 75 tractors with a smooth level area for placing of the scales.
  - Parking area for trucks & trailers
  - Spectator area
  - A water tank or truck and the ability to evenly spread water on the track.
  - It is recommended that the track should be a minimum of 20’ wide. If sufficient room is not available for two tracks, we will use the area provided for one track. We will then either alternate sleds or use only one sled as needed.
- \_\_\_\_\_ Notify and provide the club secretary with the information for a flyer to send out to club members approximately two weeks in advance of scheduled pull date.
- \_\_\_\_\_ Equipment to work track and maintain the track during the pull.
- \_\_\_\_\_ Personnel to operate equipment before, during and after the pull.
- \_\_\_\_\_ Trophies/Plaques/Benefits (if awarded)
- \_\_\_\_\_ Confirm pull date with sled operator(s) to ensure availability of sled(s) and scales.
- \_\_\_\_\_ The sponsor will be the only person to cancel or reschedule a pull.
- \_\_\_\_\_ Any class change decisions will be made by the club officers, the sponsor and the club members in attendance.

## **FLAGMAN'S DUTIES, RIGHTS & RESPONSIBILITIES**

There is an established flag committee, consisting of volunteers who are responsible for track officiating. Regular attending club members over the age of 14 with an understanding of the following items are eligible and encouraged to act as a flagman:

- The first tractor in each class will wait in the staging area for a signal from the sled operator that he is ready to start the class. Then the tractor will be allowed to approach and hook to the sled.
- The flagman and the sled operator are the final authority on the track while tractor is pulling, hook to hook.
- The flagman will receive a ready signal from the sled operator before signaling the driver to start.
- The flagman should be aware of the sled operator as the sled operator may encounter a condition with the sled that the flagman might not be aware of that would require the pull to stop.
- Drivers will receive the start and stop signals from the flagman only. Two flagmen will be used for all Division III tractors. When only a chalk line separates the two tracks, Division I tractors will not be started in front of Division III tractors if they are running, hooked and ready to pull. Only AFTER the Division III tractor passes the 75' mark will the Division I tractor be signaled to start.
- The flagman will receive any complaints/concerns from the sled operator and, if needed, warn the driver, notify a club officer and take appropriate action as directed by the general rules.
- The flagman must stop a tractor at any point during a pull for the following reasons:
  - A signal from the sled operator to stop.
  - An object falling off a tractor onto the track.
  - Any unsafe condition or act while tractor is in motion.
  - Unauthorized person(s) or items on the track.
  - A tire of the tractor crossing the out of bounds lines:

(The sled may be out of bounds as it is wider than the tractor)

The first official measured pull of all classes has the option to come back in the last position. The flagman must be informed of the driver's decision prior to unhooking the tractor and inform the sled operator so that the announcer and recorder may be notified.

The flagman must ensure and remind each driver that each tractor MUST either be switched off or placed in neutral, and each driver MUST raise their hands in the air and foot off of the clutch pedal at the end of their pull to signal that the tractor is safe to unhook prior to the flagman removing the hook from the tractor's hitch.

## **DRIVER'S DUTIES, RIGHTS AND RESPONSIBILITIES**

- All drivers must be familiar with the general club rules and the rules for their respective classes and abide by those rules.
- All drivers must operate their tractor(s) in a safe, courteous and sportsmanlike manner.
- All owners & drivers are encouraged to keep their tractors clean & presentable to the public.
- All drivers must stay safety conscious at all times.
- All drivers must be able to maintain control of and be able to stop forward motion of their tractor at any given moment.
- All drivers MUST obey the flagman while on the track during their pull.
- Drivers will receive the start and stop signals from the flagman only.
- All drivers must, when hooking to or unhooking from the sled, ensure their tractor is in neutral, their foot is off of the clutch pedal and raise their hands in the air away from the steering wheel to signal the track persons that it is safe to hook the sled to the tractor.
- All drivers must report any unsafe conditions, act or concerns to the flagman, any rules committee person or officer of the club.
- All drivers, owners or club members may voice their concerns, questions or complaints at any time, but must refrain from being belligerent, obnoxious or abusive and must take these items to the President or Vice-President.
- All drivers should be careful to ensure that they do not consciously, deliberately or excessively jerk the sled when starting their pull. This could cause damage to the sled and possibly cause injury to the sled operator.

- The first official measured pull of all classes has the option to come back in last position. The flagman must be informed of this by the driver prior to unhooking the tractor and inform the sled operator so that the announcer and recorder may be notified.

## 2022-23 GENERAL RULES FOR ALL CLASSES

1. ALL drivers must be able to operate the tractor in a safe manner, be able to stop forward motion of their tractor at any given time with no assistance during their pull, start flag to unhook. (Assistance can be given to hook the tractor, lock it in gear (if needed) & then helper must leave the track before the green flag is given). Any driver may be required to perform a driving test at the discretion of any two (2) rules committee members/officers at any time.
2. Drivers must have control of the tractor at all time. Chain must be tight before starting sled. NO jerking, bouncing or shifting gears. When you receive the red flag, your pull is over. All drivers must obey the flagman. All tractors must be switched off or placed in neutral, throttle returned to idle and driver's hands placed in the air to signal track workers it is safe to hook or unhook tractor from the sled.
3. Driver only – **ABSOLUTELY** no passengers – this includes the track area and in the pit area! No tractors are to be left unattended while running.
4. Driver must wear shirt, long pants and closed toe shoes while pulling. (exception – Division I and II drivers are permitted to wear short pants while pulling)
5. Driver must remain in the seat at all time, maintain a complete full grip on the steering wheel with at least one hand at all times during the pull.
6. No smoking while pulling. No hot rodding on or off the track.
7. All tractors not ready to hook when sled is spotted will drop to LAST in the class and have five minutes to hook.
8. Each tractor may be entered only once in each class and will be limited to two (2) hooks per pull. (Exception: 10 HP stock tractors can hook in the Kids Class and both 10 HP classes.)
9. No entries will be taken or refunded after the start of the class. Pulling position will be determined by drawing prior to start of pull and draw number written on registration form, otherwise that entry will go to the bottom of pulling order for that class. Any entries received less than 15 minutes before posted start time will be placed at the bottom of pulling order for that class. DRIVER'S name must be written legibly on the registration form. If driver should change, table workers must be notified.
10. Any pull not past the forty-foot (40') mark for Division I and seventy-five-foot (75') mark for Division II and III will be allowed only one more attempt.
11. Any tire of tractor going out of bounds or crossing the out-of-bounds line or puller flagged for any reason will stop pull at that point. If the tractor is flagged for being out of bounds, that tractor will receive no points for that class that day and there will be no payout in that class for that tractor. In the event that the tractor is the first hook in the class, it will not be allowed to come back last in the class (meaning there will be no 2<sup>nd</sup> chance). The flagman will make these determinations and is the final authority. The sponsor of each pull is to set a full-pull mark at a predetermined point on the track. There will be no out of bounds lines past the point of full pull unless clearly marked.
12. All complaints/concerns of sled operator, scales or sled owner will be directed to the flagman, the President or the Vice President of the club. If a driver/owner is warned by the flagman or any official for any rules violation, the following will apply. Any reprimands and/or concerns will be recorded, signed and kept on file. No one is allowed on the track except the officials working the track. (Flag to Flag).
  - First offense: verbal warning and written reprimand recorded & kept on file.
  - Second offense: disqualification and forfeiture of prize monies & points for that tractor for the day.
  - Third offense: suspension for the next two pulls.
13. Any consumption of alcoholic beverages, abusive language or lewd gestures will be grounds for disqualification for any tractor owner or driver. Any owner or driver who assaults or threatens to do bodily harm to any official or person on the grounds at a sanctioned pull will be barred from participating the remainder of the day and for the next two pulls. If an incident that causes disqualification for any reason occurs during or immediately after the tractor has pulled, all prize money will be forfeited for the day.
14. Weigh-in will start one (1) hour before the pull starts. Once the scales are set, they cannot be moved without approval of the sponsor or a club official. ALL tractors must cross the scales for weight verification before pulling each class. Hitting or moving the scales will be cause for disqualification (as per rule #12) ALL tractors will be kept in the staging area until

pulling. If your tractor leaves the pit/staging area, you are required to re-weigh the tractor before pulling. Tractor and driver may not exceed weight for class. In the event of a tractor reweigh, total weight may not exceed class weight plus five (5) pounds.

15. The first official measured puller in each stock class has the option of accepting first pull or may decline and come back last in that class (see also rule #7 & rule #10). The first puller in each class will NOT lose their option in the event of sled change or sled reweigh. If you are the first hook in a class and an object falls on the track, or the tractor goes out of bounds, there will be no option to come back.
16. All tractors must have working brakes and seats with a back of safe design to keep driver from sliding off, tip over (wheelie) bars, hitch, an approved kill switch and fenders of a safe design. Fenders and footrest should be designed to keep feet and legs from coming in contact with tires. Exhaust, if not stock, must be discharged up. Dual wheels, four-wheel drives and tire chains will not be allowed. All clutches must have 360 degrees shielding and all shielding must be in place, including fenders. All starter generator pulleys must be shielded. This shield must be designed and secured to contain pulley in case of breakage. Hitches and kill switches must be easily accessible for hooking & unhooking. All stock tractors must be set up for the use of an optical tachometer for reading RPM's. All wheelie bars shall be mounted in a manner to prevent movement.
17. A tractor must be running, hooked to the sled and attempt to move the sled to receive points. Any object falling on the track is cause for disqualification (hook to flag). Tractor will be given no points for that class for that day.
18. All member tractors must have a current technical inspection sticker/tag showing they have been inspected before pulling
19. Maximum length of tractor & weights cannot exceed 8' from the center of the rear axle to the furthest most forward point. Maximum width of tractor shall not exceed 55".
20. There are 3 divisions of tractors -
  - I – Stock & Hot Stock
  - II – Twin-cylinder
  - III – Super Stock

**Division I & Division II** tractors will consist of all Stock, Hot Stock & Twin-Cylinder tractors. There will be a maximum of 5 rules committeemen, elected by members of Division I & II tractors only. Those committeemen will have the final say on any interpretation of any rule affecting tractors in Division I & II.

**Division III** tractors will consist of all Super Stock class tractors. There will be a minimum of 3 rules committeemen, elected by members of Division III tractors only. Those committeemen will have the final say on any interpretation of any rule affecting tractors in Division III.

The sponsor will be the only person to cancel or reschedule a pull. Any class change decisions will be made by the club officers, the sponsor and the club members attending the pull. There will be no pulls involving more than one pulling club.

22. All CIGTP sanctioned pulls scheduled prior to the first pull of the season will be for points with the exception of benefit pulls, 2-day split shows or pulls which do not run all classes. Points will be awarded on a 15-point system.
23. **Benefit pulls** – benefactor receives a maximum of 50% of the net proceeds for the day.
24. Once the general membership of the CIGTP votes on and adopts the rules for the upcoming season, those rules, or any part thereof will not be changed or amended in any way, with the exception of safety issues or concerns, for 2 years. End of pulling season is defined as any time after the last club sanctioned, scheduled pull. To be able to vote on any changes, your tractor(s) must be registered for the new season by the beginning of the rules meeting.
25. An individual must have a tractor registered in their name to be nominated for rules committee member for that division or to be nominated for a club officer. (Exception: if the tractor is registered in a child's name, the parent will be eligible to serve as an officer or as a rules committeeman). All officers will be elected at the annual fall banquet each year. All terms will be for one year. The executive committee shall consist of the President, Vice-President, and Secretary/Treasurer. It shall be the duties of the executive committee to schedule pull dates and places, work with the sponsors as to the requirements to have a pull, schedule any special meetings, the annual meeting and the election of officers. Those officers shall make all decisions on any item not directly covered by the rules of CIGTP. This will be done in concert with all elected officers, but the executive committee will make the final decisions.
26. Anyone under 10 years of age may be required to take & pass a driving test and will be required to wear a helmet.

To be considered the Rookie of the Year, the individual must:

- Be a first-year puller

- Attend and pull in 70% of the scheduled pulls for the season
- Candidates will be voted on by the entire club at the annual banquet.

All special awards for the pulling season will be voted on by all attending members at the fall banquet.

## **PROTEST PROCEDURES:**

- A tractor may only be protested by a registered owner/driver from that same weight class.
- Tear down fee will be \$50.00. Minor protest fee is \$25.00. All protests must be made within fifteen (15) minutes after the class has pulled. Protest fee must be paid to the CIGTP Secretary and a protest form completed. Upon completion, the Secretary will notify all officers and rules committee members for that class, who will then notify the tractor owner/driver. Upon receiving a protest request, tractor will be placed in the “staging” area until tear down/inspection is performed. Tractors will be inspected and declared legal or illegal by pre-defined procedures and guidelines. These procedures will be agreed upon by the division rules committee and reviewed by the executive committee. All changes to these procedures which significantly alter a specific make or model’s classification or competitiveness will be announced at the annual membership meeting.

A tractor shall not be inspected with fewer than 2 members of the club leadership present. A tractor can be declared illegal at any point of the technical inspection. A tractor cannot, however, be declared legal unless the ENTIRE protest procedure has been completed, whether it is the fault of the driver, owner or omission on the part of the rules committee. Upon omission of the rules committee, determination will be delayed until the next CIGTP sanctioned pull or tractor can be voluntarily inspected by 2 members of the rules committee in the interim if they agree to make this extra effort.

Protested tractor is to supply engine specifications, if unknown, to prove that a tractor with non-standard specifications is legal.

- If protest is in regard to a minor infraction, rules committee will inspect tractor **immediately**.

Driver (or designated person) will tear down the tractor for a major protest. Those present during tear down will be only the tractor owner/driver and the rules committee. The protestor will not be allowed to witness the tear down/inspection of protested tractor. Rules committee will inspect the tractor for violations of rules. **Refusal of inspection will result in the same penalty as if found to be illegal of a 2nd offense.** Results will show only pass or fail on the protest form.

- If tractor is found legal of a major protest infraction, the protest fee will go to the tractor owner.
- If tractor is found legal of a minor protest infraction, the protest fee will go to the tractor owner
- If tractor is found illegal, all protest fees will be refunded to the protestor.

## **INFRACTIONS:**

**MINOR INFRACTIONS** – weights, hitch height, length, fuel and RPM’s, if appropriate

**MAJOR INFRACTIONS** – Any and all infractions.

## **PENALTIES:**

**MINOR INFRACTIONS** –

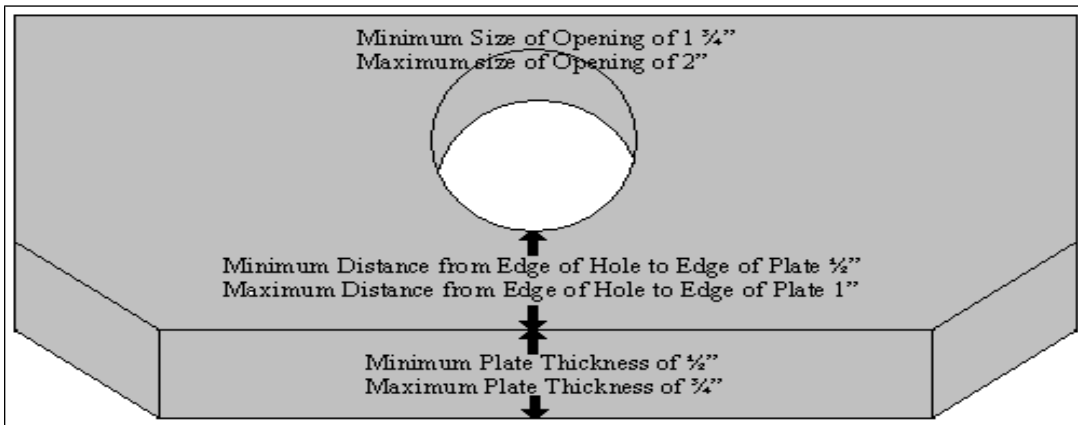
If found illegal of a minor infraction, that tractor will lose all entry fees, prize money and points for that day. A 2<sup>nd</sup> offense for the same infraction by the same driver or the same tractor will be considered the same as a 1<sup>st</sup> major offense. Must prove problem is corrected upon returning for competition.

**MAJOR INFRACTIONS** –

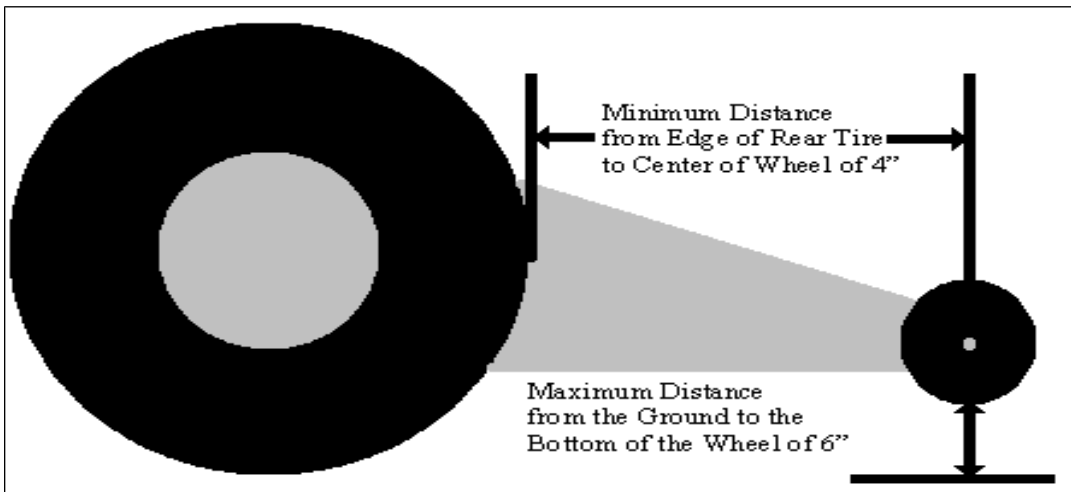
**1<sup>st</sup> Offense** – That tractor (as per entry registration) will be disqualified from this pull and the next two pulls, lose all entry fees, points and prize money for that day. Must prove the problem is corrected upon returning for competition.

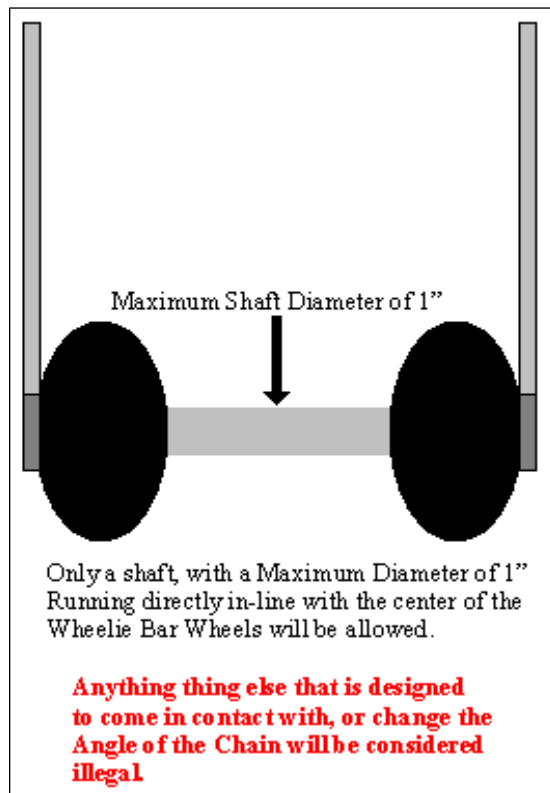


**2<sup>nd</sup> Offense** – If found to be illegal of a major infraction, that TRACTOR will lose all entry fees, prize money & points for that day and will be suspended for one year from date of protest. Any driver guilty of 2<sup>nd</sup> offense, regardless, will be suspended from competition for one year. Must prove problem is corrected upon returning for competition.



### Diagrams of Wheelie Bar Specifications





## 2022-23 STOCK CLASS RULES

### **General rules for all classes plus the following:**

All drivers must be six (6) years old or older. Must be able to operate tractor according to General Rule #1. Drivers 10 and under must wear a helmet when pulling. The Beginners Class consists of kids ages 4-6. All general and stock rules will be followed plus the following: The child must wear a helmet and must have a seat with a back tall enough to prevent the child from falling off the tractor backwards, a parent or helper is allowed to assist the driver from hook to un-hook, the tractor must be in neutral and pushed back to the sled to be hooked and the sled operator will have control of the kill switch to shut off the tractor when sled counter has stopped, or in any red flag situation.

### **ENGINE:**

#### Block:

- Must be OEM block (no aftermarket)
- No port/polish allowed
- No welding on block
- Block may be bored to +.030 oversize
- No balancing allowed
- Flat head in block valve motors only (no overhead valve motors)

#### Head:

- Must be OEM (no aftermarket)
- Must be able to catch fingernail on inner and outer gasket surface

#### Valves:

- Valves must be in original location
- Valves must be unmodified

#### Piston

- Must be OEM spec piston with no modifications
- Rings cannot be gapless
- Piston cannot pop out of block

#### Rod:

- OEM spec stock and OEM spec inserted rods are allowed – no offset rods
- Must be stock stroke

#### Crank:

Must be OEM crankshaft or aftermarket with equivalent specs, no steel flywheels

No front mounted flywheels

May use aluminum or steel starter pulley, not to exceed 15 pounds

Cam Shaft:

Must be OEM cam shaft (324: (+/- .001) lift and 218 (+/-1°) degrees duration on both intake

And exhaust lobes with valve lash set of 0. Or aftermarket with equivalent specs.

Carburetor:

Must be OEM unmodified carburetor

No more than 3/16" spacer allowed on carburetor mount

Velocity stacks are allowed

Fuel Delivery System:

Gravity fed, mechanical or electric fuel pumps allowed

If using an electric fuel pump, kill switch must also kill power to pump

And must have a fire extinguisher mounted on tractor

Ignition:

OEM style ignition systems only (may use Chevy points and bracket)

Exhaust:

No modifications to the outer portion of the exhaust port

Muffler threads must be present

If using a flange, the pipe cannot extend past the flange into the block

Throttle:

Throttle lever or foot pedal allowed

All throttles must have a positive stop at the governor linkage

RPM:

All stock engines must have a working governor

Engine cannot exceed 3800 RPM at any time

**DRIVETRAIN:**

Clutch:

May use any clutch setup and any spring

Transmission:

All stock tractors must have a working reverse gear

Rear End:

Rear end carrier may be strapped or welded for strength

**CHASSIS:**

Frame:

Engine must match tractor frame (exception: narrow frame cubs may be modified to accept the 16 HP engine)

Engine must be mounted in original location

Transmission case must match tractor frame

Transmission must be bolted in original mounting location on frame

Frame may not be lengthened

Front axle must be in original location

Wheelbase cannot be altered

Hitch:

Maximum hitch height is 14 inches

Tires:

Maximum tire size: 23x10.5x12 bar tire or original size turf tire

Tire cutting is permitted

Fuel:

No alcohol, no E85, no additives or oxygenated fuels are allowed

**CLASSES:**

850 lb – 10 HP Kids Class (Ages 4-10)

900 lb – 10 HP

950 lb – 10 HP

**HOT STOCK CLASS RULES**

**All stock and general rules will apply with the exceptions listed below:**

1. Front axle can be moved forward, not to extend past the end of factory frame
2. Big cam, maximum of .330 running lash and open duration
3. May use copper head gasket
4. 4000 RPM
5. 26x12x12 Ag or Turf tires (No Pro Tires) with 13" hitch height
6. 23x10.5x12 Ag or Turf tires (No Pro Tires) with 14" hitch height
7. May run front steel flywheel, not to exceed 15 pounds

**TWIN-CYLINDER (20 HP / 25 HP & UNDER) STOCK CLASS**

**All general rules will apply plus:**

1. Factory stock, commercially available garden tractor with OEM block engine. Engine, chassis and sheet metal must maintain stock appearance.
2. Must use only OEM available unaltered or equivalent parts for engine manufacturer. No performance improving alteration to chassis or engine parts allowed, unless specifically noted in rules for this class.
3. Frame may be altered to accept non-original engine
4. May move front axle forward within factory frame. May use aftermarket front axle, but cannot exceed a max of 52" wheel base.
5. No welding or modifying of block or cylinder heads. Cylinder heads must maintain stock combustion chamber lip and head gasket. Copper gasket may be used.
6. Maximum Bore and Maximum Stroke for each Manufactured Engine type are as follows:  
Kohler Command 20hp 78mm Max bore x 69mm Max stroke  
Kohler Magnum 20hp 3.12" Max bore x 3.06 Max stroke  
Honda 20hp 77mm Max bore x 72mm Max stroke  
Kawasaki 20hp 75.2mm Max bore x 72mm stroke  
Briggs 20hp 2.83" Max bore x 2.76 Max stroke  
  
Kohler Command 25hp 83mm Max bore x 69mm Max stroke  
Honda 25hp 78mm Max bore x 72mm Max stroke  
Kawasaki 25hp 75.2mm Max bore x 76mm stroke  
Briggs 25hp 2.97" Max bore x 2.76 Max stroke
7. Pistons must not protrude out of cylinder more than .005".
8. No fabricated manifolds, carburetor stand offs, or spacers allowed. Velocity stacks are allowed.

9. Carburetor must be stock, unaltered and unpolished. Choke butterfly and shaft can be removed. Air restriction venture must not exceed stock size for model, horsepower, and configuration. Carb may have an adjustable main jet. No fuel injection allowed.
10. May use electric fuel pump. (Kill switch must also kill fuel pump and must have fire extinguisher mounted to tractor).
11. Engine must be governor controlled. Maximum RPM is 4250.
12. Billet Steel or Aluminum Flywheels are allowed. No welding or machining of cast flywheels.
13. Adjustable steel flywheels allowed can't exceed 30lb weight limit. Front pulley weight not to exceed 15lbs. Total weight of flywheel and pulley not to exceed 30lbs.
14. May run a 4-speed transmission
15. Only gasoline or racing fuel with a specific gravity of .750 or less
16. Maximum tire size 26x12x12, (Ag, Turf or Chevron tire)
17. Tire size/hitch height: When using 23" tires, the maximum drawbar height is 14", when using 26" tires, maximum drawbar height is 13".
18. Reground cams allowed, with a maximum of .245 lift at the cam, open duration and must run stock valve train.

## **2022-23 - 50.5 Cu In. SUPER STOCK CLASS RULES**

### **General rules for all classes plus the following:**

1. All drivers must be fourteen (14) years old or older. Must be able to operate tractor according to General Rule #1.
2. All drivers must wear D.O.T. approved helmet. Chin strap must be fastened. Fire suit jackets are required, fire suit pants are optional.
3. All tractors must have working kill switch. When kill switch is pulled both ignition and electric fuel pump must be inoperable.
4. All tractors must have fire extinguisher.
5. Tractor must have factory appearance. Wheelbase not to exceed 56 inches. Tube frames shall be allowed.
6. All tractors must have side shields, minimum of two (2) inches above crank line. If starter pulley is used, it must be steel or aluminum and have bolt threaded in end of crankshaft to keep from coming off. All rotating engine parts must be shielded. Shields on throw side of motor must attach to head and frame in a secure manner. All shields must be of 1/8 inch steel or 3/16 inch aluminum.
7. Engine must be rated 20 HP or less by factory specifications, four cycle, air cooled with a maximum of one cylinder. Maximum cubic inch displacement of 50.5 cubic inches. No overhead valves.
8. After market cams, coils, valves, blocks and heads may be used.
9. Carburetor must be naturally aspirated.
10. Standoff pipes, ram tubes, external fuel and oil pumps will be allowed.

11. Electric fuel pump cannot exceed 9 PSI. Gauge must be permanently installed in fuel line.
12. Engine must have head straps or restraints. (Jones block exempt)
13. Fuel to be pump gas or alcohol.
14. Tire size maximum 26x12x12. Maximum drawbar height 13 inches.
15. All tractors must have steel flywheels. No cast iron flywheels
16. Throttle must return to idle when released.
17. Aftermarket blocks must meet the basic manufacturer specifications of block being copied. Deck height, camshaft and crankshaft location must match manufacturers design.
18. 1050A pound weight class
19. 1050B pound weight class
20. **Exception to above:** Pro-Altered Class (V-Twin Stock Altered), as sanctioned by NQS, shall be allowed to compete in this class. Those rules can be changed in order to promote fairness of class at any time during the season.