

# **CGTPA GENERAL RULES**

As of January 14, 2017

Revisions from January 27, 2019 General Meeting

## **Entry**

1. Scratching from a class previous to its start shall constitute a refund of entry fee.
2. Scratching from a class after it has begun shall not constitute a refund.
3. CGTPA officials will determine pulling position.
4. All tractors must go through CGTPA tech inspection.
5. All entries must be in by one hour before event is to start.
6. Participants are limited to two entries per class per tractor.

## **Vehicle Operations**

1. All vehicles must be operated in a safe manner at all times. Vehicles are limited to one driver – no riders. This also includes tow and maintenance vehicles.
2. Driver must remain in seat for duration of pull attempt.
3. During active competition, driver will have at least one hand on the steering wheel. No hand may grasp edge of fender at any time during the duration of a pull attempt.
4. Flagman may stop any pull attempt considered unsafe.
5. Driver must be on seat at all times while engine is running.
6. Hands and arms are not allowed to be lower than 2' above the ground during competition. Hands and arms cannot contact the sled chain or the sled buckboard or any other portion of the sled.
7. All drivers - youth and adult - must demonstrate to the Tech Committee that they can safely operate their tractor, including operating the steering, clutch, brake, shift, and throttle controls as applicable.
8. Failure to have all safety equipment in place, deliberate attempt to cause slack in the chain while under the green flag, any unsafe practice utilizing competition vehicle or tow vehicle or other event related equipment at the event site which the CGTPA officials considers both deliberate and unsafe, may result in disqualification.

## **Protest**

1. A tear down protest consists of a deposit of \$100 for the first item, \$25 for each additional item in question. This deposit must be made at the time of protest. Protest may only be made by any competitor in the same class as the vehicle in question.
2. For each protested item found to be legal, the protester shall forfeit the corresponding deposit to the owner of the tractor in question. If said tractor is illegal, the owner will forfeit all points and entry fees of the day for all classes that the vehicle would be in violation. The deposit for all items found to be illegal will be returned to the protester. If fuel is protested, protester is responsible for any lab testing costs and the \$100.00 protest fee. Determination of whether a particular tractor is illegal is solely at the discretion of the CGTPA Tech Committee.

## **Weights/Weigh-in**

1. Weigh-in will occur before every attempted hook of class. Vehicle must have all safety equipment in place, have sufficient fuel, oil and water as applicable with driver in the seat. No adding of fuel or weights unless reweighing. Weights may however be relocated without repercussion. No vehicle exceeding class weight will be allowed past scales. At the discretion of CGTPA track officials, an allowance may be given for an imperfect scale; however, there will be no leniency on the accepted weight.
2. Neither weights nor weight brackets are to be used as bumpers. Weight bracket/weights may only extend a maximum of 12" behind the rear of the rear tire.
3. Any loss of ballast weight during the course of competition shall constitute a disqualification of that pull attempt.

## **Clothing**

1. Drivers of all vehicles are encouraged to wear DOT approved or SNELL rated helmets with chin straps. All drivers in classes MT and above will be required to wear helmets the start of the 2013 season. All youth under 18 years of age are required to wear helmets in all classes. Helmets must meet DOT specs or be otherwise approved by the Tech Committee. No bicycle or construction or similar helmets allowed.
2. Drivers of all vehicles are required to wear a minimum of long pants, shirt and closed-toe shoes or boots (no sandals or open toe shoes). Driver's suits must be zipped and/or closed to their fullest extent including throat flap. Fire resistant underwear, head sock, and gloves are not required for any class except UL950, 1000 and 1050 if alcohol, methanol, and E85 is used. CGTPA recommends the use of SFI rating 3-2A/1 clothing for all competitors.
3. If a driver of a vehicle is wearing a jacket, it must be closed.

## **Seats**

1. All vehicles must have a secure seat. Seat may not extend behind rear tires.
2. Seat must have a back, which stands a minimum of 3" above the top of the seat surface unless original to tractor.

## **Steering/Brakes**

1. All vehicles must have functional steering and brakes. Rear wheel brakes required on all vehicles except when factory garden tractor transaxle brake is used.

## **Fire Extinguisher**

1. Optional on all classes except tractors running alcohol, methanol, or E85 fuels.
2. If equipped with a fire extinguisher, it must be a fully charged, functional fire extinguisher with a gauge, within easy reach of the driver. Minimum size: 1 1/2 lbs. dry chemical or 1 lb. Halon.

## **RPM**

1. 4500 RPM MAX governor controlled in all LT, GT, MT, and ME
2. All open RPM classes, SA, and UL must have steel or billet flywheels.
3. CGTPA Tech Officials may check RPM at their discretion at any event.

## **Tachometer**

Tachometers are required on all limited RPM tractors.

## **Throttle**

1. Use of a "dead man throttle," with the rear-most position being idle, is required in all open RPM classes and recommended for all others.

## **Exhaust**

1. Must discharge vertically (+ or - 10 degrees) upward and extend at least 12" from the exhaust port, unless a muffler is used.

2. If a muffler is used, it may discharge in any direction. Mufflers may exit to the front, to the side, up, down, or to the back.
3. Exhaust must be securely attached.

## Length

1. Maximum tractor length: 72" in front of center of rear axle to very most front including any weight bars and weights
2. Motorcycle engine tractors – maximum tractor length: 96" from center of rear axle to very most front including weight bars and weights

## Fenders/Hood

1. All vehicles must have sturdy, safely secured fenders that will protect the driver from the tires. All fenders should be original tractor fenders, or replacements of similar design.
2. Using edge of fender as a grasp point to obtain "leaning leverage" will result in disqualification. Sturdy handles may be installed on fenders for this purpose. Fingers are not allowed between tire and fender.
3. Tractors must have a factory appearing hood and grill (except in Motorcycle class).

## Wheelie Bars

1. Required on all tractors
2. The device must consist of two separate assemblies, each equipped with either a skid plate or a wheel. Skid plates must be at least 3" wide x at least 4" long. Wheels must be at least 1" wide and 4" in diameter with no breakable plastic wheel centers. Wheels damaged or broken during competition, or during loading/unloading, or at any other time must be replaced before the next event following the event where damage occurred.
3. Back edge of skid plate or center of wheel must be at least 5" but not more than 22" behind a line drawn vertically at rear face of tire. Maximum distance from ground to bottom edge of wheel or skid pad is 5".
4. One stabilizer bar shall be on each side of the tractor with the combination of the two strong enough to support the weight of the tractor and driver when a jack is placed under them to raise the tractor when weighted to maximum weight for heaviest class where the tractor will compete. A test of this nature may be performed at CGTPA events from time to time. Tractors failing the test may not be allowed to participate in the event at the discretion of the CGTPA Tech Committee.

5. Bumper bars are recommended for all tractors. Bumper bars must extend a minimum of 6" vertically from the rearmost tip of skid pad or back edge of wheel. The top of the vertical bar should be braced forward to stabilizer bar assembly or chassis. Stabilizer/bumper bar set must be at least 6" apart. Bumper bars must be constructed strong enough to prevent buckboard of the sled skid pan from coming in contact with rear tires in the event of a collision between the tractor and the sled. Although bumper bars are not required, they are strongly recommended to reduce the possibility of significant damage to tractor drive train from unintended sled contact.

## **Drawbars**

1. Maximum hitch height for all tractors is 13". Drawbar is to be parallel to the ground within 10 degrees.
2. Vehicles must have a drawbar that is constructed from non-cast material and is stationary in all directions when pulling (it can be adjustable, but adjustment must not change during a pull).
3. Drawbar thickness at hook point: minimum 3/8" may go to 1"
4. All draw bars must have a 1" minimum diameter hole for all classes above ECONO. 1.5" recommended for easy hooking.
5. Minimum 1/2" cross section thickness required around any opening machined or manufactured. Minimum diameter of any Attaching round stock or pivot pin: 1/2". Minimum of five 3/8" Grade #5 bolts or three 1/2" Grade #5 bolts or equivalent welding strength required for securing drawbar assembly to differential housing, transaxle, or chassis.
6. An area 4" wide and 2" high immediately above the drawbar must be Free of all obstructions including weights and weight brackets for ease of hooking and unhooking sled draw chain.
7. All holes other than drawbar hole should be filled so hitching to sled can be made easier.

## **Fuel**

1. Any readily available pump gasoline up to 114 octane rating is acceptable. Gasoline containing up to 10% alcohol/methanol is acceptable.
2. Alcohol, methanol, and E85 are only allowed in the SA, UL classes and open.
3. Diesel fuel readily available at any commercial pump diesel fuel source is acceptable. No performance enhancing additives allowed. If diesel tractor is running a water methanol injection, water may only be used.

4. Illegal Fuels
  - a. All forms of nitro methane and similar fuels or fuel additives.
  - b. Any oxygen improving chemical or agent is illegal in all CGTPA classes.
5. No pressurized fuel tanks allowed.
6. All vehicles must have fuel lines that are either routed or suspended to keep them away from hot engine components. The use of steel braided fuel lines is encouraged.
7. All vehicles are recommended to have a manual fuel shutoff valve on low pressure side. This is optional for all tractors.
8. No fuel tank(s) to be mounted to engine unless factory mounted in GT classes only. All fuel tanks must be vented away from engine and exhaust.
9. Breather tubes must exit forward of the rear tires, except rear engine tractors. Breather tubes must be vented below the head of that engine and extend down toward the engine pan.

## **Kill Switch / Breakaway Switch**

1. Kill switches are required in all classes MT and above. The switch must be capable of immediately shutting down the engine as well as electric fuel pump(s), in case of accidental separation from the sled during the course of competition.
2. On diesel engines, the kill switch must activate the air shutoff. No electrically operated air shutoffs. Diesel system must have a spring loaded air shut-off device activated by a cable that will cut off the air supply to the air intake and also cut off power to the injector pump.
3. Kill switch shall be located at the rear of the vehicle in a position that will allow for easy attachment/detachment of a cable from the sled. It is recommended that kill switches be mounted within a 6" radius of the hitch hook point.
4. Break-away kill switches must have a minimum 1-1/2 in. diameter ring (no less than 1/8 in. cross section thickness) attached to them. The cable from the sled must be attached to this ring. Trimmed OEM factory kill switch cable rings are also acceptable.

## **Flywheels/Starter Pulleys**

1. Billet steel or billet aluminum flywheel allowed. No welding or machining of stock cast flywheels is allowed.

2. No welded fins are allowed.
3. Any starter pulley or starter drive attached to exposed end of crankshaft must have a retaining device bolted to crankshaft to prevent pulley or drive from coming off.
4. No engine flywheel, torque converter, or clutch assembly may rotate faster than the crankshaft speed.
5. A steel or billet flywheel is required in all unlimited RPM classes, no exceptions.

## **Ignition Points**

1. Any vehicle ignition system utilizing points must have a plastic or metal cover over the points to inhibit the chance of fire.

## **Auxiliary starters**

1. Auxiliary starters are only allowed in the SA and UL classes

## **Superchargers**

1. No superchargers or turbochargers other than diesels with original factory units and Open class tractors.

## **Injector Butterfly Shafts**

1. Must have dual return-to-idle arms and springs, one on each side. Diesel engines must have an external visible return-to-idle spring on the fuel injection pump throttle arm.

## **Shielding**

1. Cast Blocks: Scatter shield opposite the camshaft side of the motor required on all engines capable of operating over 4,500 RPM, optional on engines held to 4,500 RPM or less by factory governor control.
  - a. Shielding must be of a minimum of 1/8" steel or .090" aluminum.
  - b. Minimum dimensions must be from the bottom of engine to 4 1/2" above the centerline of the crankshaft and must be at least 7" in width.
  - c. Shield must be attached to the chassis at bottom and under hood at top in a secure manner.

- d. Block shielding not required on motorcycle engine blocks.
  - e. Factory clutches on motorcycle engines do not have to be shielded.
2. Roller Chains, Drive Belts: must be shielded radially, top, front and rear, with minimum 1/16" (.060") steel. Shield must be wider than belt. Factory shields are acceptable if used, even if they may not exactly meet all of the above criteria. Hoods, grills, fenders, frames, etc. can be considered part of such shielding.
  3. Any non-factory rotating mass attached to crankshaft must be enclosed top, sides, and exposed end with a minimum 1/8" (.125) steel or 1/4" (.250) aluminum. Shield must be within 1/2" of housing and securely attached to engine block or chassis.
  4. Any open RPM tractors utilizing an automotive disc type clutch must have clutch covered 360 degrees with 3/16" (.187") steel or 1/4" (.250") aluminum and have minimum 1/8" (.125") end plates with a maximum center diameter hole of 6".
  5. Drive shafts: All Modified, Stock Altered, Multiple Engine, and Unlimited Class vehicles must have round metal loops shielding drive shaft, if there is a drive shaft on the tractor. Maximum of 1' between loops, minimum of 2 loops. The 360 degree loops must be a minimum of 1/4" (.250) aluminum or 3/16" (.187") steel, 3/4" wide and not more than 1 1/2" from the shaft in any direction. It is acceptable to use a solid tube (1/4" aluminum or 3/16" steel) to meet the above requirements. Loops are not required per above if the driveshaft has a center carrier pillow block bearing. U-joints: All U-joints must be shielded 360 degrees with 1/4" (.250") aluminum or 3/16" (.187") steel. The minimum length shall be not less than 1/2" greater than the U joint assembly.

## **Rear ends**

1. Tractors must have a stock transaxle. No posi-traction, limited slip, welded, or locked carriers except per rule# 2 below.
2. Modified, Stock Altered, Multiple Engine, Unlimited, Open classes and Motorcycle engine tractors do not have to have a stock transaxle and can have posi-traction, limited slip, welded, or locked carriers.

## **Engine Displacement**

1. CGTPA single cylinder engine calculation = Bore x Bore x Stroke x .785
2. CGTPA twin cylinder engine calculation = Bore x Bore x Stroke x .785 x 2

(Example for a single cylinder 4.125 X 4.125 X 3.75 X .785 = 50.089 cubic inches)

(Example for a twin Cylinder 3.27 X 3.27 X 3 X .785 X 2 = 50.363 cubic inches)



**Alcohol, tobacco, or offensive advertising or printing, etc. is prohibited from all tractors**

## **Class specific rule changes**

If rule change is class specific, only Tech Committee Chair and existing class participants can vote; unless there is a new participant with an already build tractor.

## **ECONO STOCK CLASS 1000lbs**

Tractors will run stock turf tires. No modifications to tires allowed. No V-bar or lug tires allowed.

Tractors will have the mowing deck, the belt or both removed or disabled to the satisfaction of the Tech Committee.

All tractors should use the stock hitch but will be allowed to build a homemade hitch not to exceed a maximum of 11 1/2" in height. Homemade hitches must be approved by Tech Committee to insure safety.

Wheelie bars will not be required on first time the tractor is pulled but are required thereafter. No exceptions.

Additional weighting of the tractor will be allowed.

If original motor has been replaced it cannot be any larger horsepower rating than 2hp over the stock motor. (IE: Cub 122 with a 12hp motor cannot be replaced with more than a 14hp motor or a Sears tractor with a 16hp cannot be over 18hp). Engine must be stock original type engine and stock type muffler. The crankshaft and cylinder orientation must be the same as the original, and within 2HP of original factory engine.

The only factory available accessory or implement allowed is a mower deck with all belts removed unless approved by the Tech Committee.

**RMP limit 3800 max**

Tachometer required

All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

**LT8**  
**750lbs**

Stock garden tractors with a factory rating of 8 horsepower or less

Tractors will run stock turf tires. No modifications to tires allowed. No V-bar or lug tires allowed. Tire size limited to 20x10x8 if running 8" diameter rims or 20x10x10 if running 10" diameter rims.

All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

## **LT12**

### **750lbs**

Stock garden tractors with a factory rating of 12 horsepower or less

Tractors will run stock turf tires. No modifications to tires allowed. No V-bar or lug tires allowed. Tire size limited to 20x10x8 if running 8" diameter rims or 20x10x10 if running 10" diameter rims.

All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

## STOCK TRACTORS – GT14, GT16, GT20, GT25

1. Factory stock, commercially available garden tractor with cast block engine. Engine must be a lawn/garden tractor type engine, although it does not have to be the original engine for that model tractor. Engine, chassis, and sheet metal must be from a factory produced garden tractor, or be a facsimile thereof, and maintain stock general appearance. Minor modifications to sheet metal and frame allowed to accommodate an engine different from the original, subject to acceptance by CGTPA Tech committee. Wheelbase must remain original. Original tractor paint color, factory decals, etc. need not be maintained. Painted flames, tasteful decals, etc. may be added as desired. No alcohol, tobacco, or offensive advertising or printing, etc. is allowed.
2. Must use only OEM available parts for engine manufacturer and general engine family configuration. If OEM parts are no longer available, similar replacements may be used as long as they are not of a performance enhancing nature. No performance improving alterations to chassis or engine parts allowed unless specifically noted in Stock class rules.
3. Modifications to clutch, driveline, and transaxle assembly are allowed to reduce or prevent breakage, or improve safety.
4. Use of locked rear ends/transaxles is not allowed.
5. No visible welding of block or cylinder head. Cylinder head may be milled up to a maximum of .125". Engine block decks may be milled a maximum of .010".
6. Maximum bore size: Can use any piston available from the factory for the brand engine and model configuration being run. Piston must be flush or below deck of block. If a sleeve is placed in the cylinder bore, it must return the engine to a stock bore for the engine model being run.
7. No fabricated intake manifolds, carburetor stand-offs, or velocity stacks allowed. Air cleaners are optional. Aftermarket air cleaners allowed, as long as they are not of a velocity stack type.
8. Carburetor must be stock, unaltered, and unpolished. Choke butterfly and shaft must be in place. Air restricting venturi must not exceed stock size for engine model, horsepower, and configuration.
9. Port altering, grinding, and/or polishing allowed. Valve relieving allowed.
10. Maximum tire size:  
  
All GT classes are limited to a maximum tire size of 26x12.00x12. VBar tires can be cut. No Chevron tires allowed.
11. Chassis may not be lengthened to accept non-original engine. Must maintain original wheelbase in original location.

12. Maximum distance from center of rear axle to furthest point forward 72".
13. RPM limited to 4,500rpm
14. There are 4 stock CGTPA classes. Combined weight of vehicle and driver is:
  - a. 950# for class GT14 (stock garden tractors with a factory rating of 14 horsepower or less)
  - b. 1000# for class GT16 (stock garden tractors with a factory rating of 16 horsepower or less)
  - c. 1000# for class GT20 (stock garden tractors with a factory rating of 20 horsepower or less)
  - d. 1000# for class GT25 (stock garden tractors with a factory rating of 25 horsepower or less)
15. 2HP allowance will be made for hydrostatic tractors in all GT classes.
16. All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

**Modified Tractor Single Cylinder**  
**950lbs and 1050lbs**  
**36 cubic inch max**

**Modified Tractor Mixed**  
**950lbs and 1050lbs**  
**45 cubic inch max**

1. Chassis and sheet metal must be from factory produced garden tractor, or be a reasonable facsimile thereof, and maintain general stock appearance. No after-market competition blocks allowed.
2. Aftermarket parts for naturally aspirated engines allowed, including solid aluminum heads.
3. No visible welding or externally visible modifications to block or cylinder head. Stock size valves only.
4. Maximum engine size: Can use any piston available from any source. Safe cylinder wall thickness must be maintained as specified by the engine block manufacturer. MT 950 single and MT1050 single cylinder max displacement will be 36 cubic inches, and will be a single cylinder engine only class. MT 950 and MT 1050 single cylinder and twin cylinder can run together in a Mixed class, with a max displacement of 45 cubic inches.
5. Crankshaft stroke can be increased up to .250" maximum over standard for the engine block being run as long as the cubic inch limit has not been exceeded.
6. Fabricated intake manifolds or carburetor standoffs are allowed. One carburetor maximum.
7. Carburetor must be stock appearing for engine manufacturer. Maximum air restricting venturi diameter: 1.200 inch cumulative diameter. Air flow must be controlled by throttle shaft actuated butterfly in stock location. No air may enter intake after 1.200 inch cumulative diameter restriction. Velocity stacks are allowed. No fuel injection allowed. Two barrel command carburetors allowed.
8. Maximum camshaft regrind spec: .330" lift at zero lash on the cam shaft lobe. Maximum valve diameter: 1.380".
9. Stock appearing hood and grill required. May switch to another factory sheet metal, but must maintain stock appearance.
10. Maximum tire size: 26 x 12.00 x 12. Chevron Tires Allowed.
11. Maximum wheelbase: 56".

12. RPM limited to 4,500rpm
13. Maximum combined weight of vehicle and driver: 950# and 1050#.
14. Stock class tractors may compete in the Modified class if desired.
15. All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

## **Stock Single Cylinder Altered 950 lbs and 1050 lbs**

1. Single cylinder engines only allowed.
2. Engines must be Kohler, Wisconsin, Tecumseh, or Briggs & Stratton.
3. Engine blocks must have an OEM stock appearance.
4. Engines must be factory productions or their OEM replacement with factory deck height.
5. Stock Head bolt pattern. Stock head gasket must fit over studs or bolts.
6. Stock Head bolt location and head bolt size.
7. Maximum crankshaft stroke 3.25" for Single.
8. Maximum engine bore 3.780" Single cylinder.
9. 36 cubic inch limit for single cylinder.
10. Maximum engine valve size 1.380"
11. Maximum cam shaft lobe.330"
12. Carburetor: Limited to one venturi at 1.2" maximum, OR two venturi combined at up to 1.5" or single throttle body injection at 1.2" venturi with no air entering after restriction
13. Carburetor must be mounted to the engine with no more than 1" spacer.
14. No reverse port engines allowed, carburetor must mount to the original intake port.
15. Carburetor must be a stock appearing Kohler-type. No two barrel carburetors.
16. Billet heads permitted.
17. Porting and polishing allowed.
18. No external welding or external modifications allowed.
19. All thread through finned area is acceptable.
20. Welding permitted in crankcase area of the block for repair.



21. Gas, alcohol, methanol or E85 fuel is allowed.
22. Tractors must have garden tractor rear-ends.
23. Tractors must use stock garden tractor frames.
24. Frames must maintain factory length.
25. Weight Class 950 and 1050 lbs.
26. 56 inches maximum wheelbase.
27. This is an open RPM class and all engines must have a steel or billet fly wheel, no exceptions.
28. Maximum tire size 26x12x12. Chevron tires allowed.
29. All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

## **SA V-Twin Class**

### **950 lbs and 1050 lbs**

1. 39 in. max
2. Engine shielding rules: 1/8" steel or 3/16" aluminum on external side of cylinder extending from head gasket to frame. Shield must be attached to frame at the bottom and to the flywheel shield at the top to make rigid.
3. Engines: Must be a commercially available lawn and/or garden tractor engine. Only configuration accepted is V-Twin type.
4. Cylinder Head: Must be stock head with no external welding. Only minimal epoxy will be allowed, no excessive use on the external portion of the intake port. Maximum allowable amount would be an area of not more than 1 square inch per head.
5. Carburetor: Limited to one (1) carburetor with one (1) venturi with one (1) throttle butterfly, or one injection throttle body. Maximum venturi size will be 1.200". No air entering after the 1.200" restriction.
6. Fuel intake limited to one venturi at 1.2" maximum, OR two venturi combined at up to 1.5" or single throttle body at 1.2"
7. Steel flywheel mandatory, along with the general flywheel shielding rules of 1/8" steel or 3/16" aluminum 360 degrees.
8. Gas, alcohol, methanol or E85 fuel is allowed.
9. Wheelbase 56 inches maximum.
10. Overall length 72 inches maximum.
11. Zero tolerance. Formula for cubic inch is Measured bore x measured bore x measured stroke x .785 = Cubic Inch. All bores measured 90 degrees from thrust side.
12. Maximum tire size 26x12x12. Chevron tires allowed. Tires may be ground, siped, grooved and are subject to remaining in safe running condition. CGTPA Tech committee will make final decision regarding tires deemed to be unsafe.
13. All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

## Multiple Engine ME 1050lbs ME 1150lbs

**For garden tractors having more than one engine**  
(single engine tractors are not allowed to compete in the ME classes)

1. Standard garden tractor or similar engines limited to 36HP combined total.
2. No after market competition blocks. 2, 3, or 4 engines allowed as long as total cumulative factory rating does not exceed 36HP, and the total number of cylinders does not exceed 4. All engines must be under a hood resembling a traditional garden tractor. Hoods may be modified in length and/or width to accommodate multiple engines.
3. Maximum tire size: 26x12.00x12. **Chevron tires are allowed.**
4. Maximum combined weight of vehicle and driver: 1050# and 1150#.
5. Chassis and sheet metal must be from factory produced garden tractor, or be a reasonable facsimile thereof, and maintain general stock appearance.
6. Aftermarket parts for naturally aspirated engines allowed, including solid aluminum heads.
7. No visible welding or externally visible modifications to block or cylinder head.
8. Maximum bore size: Can use any piston available from any source. Safe cylinder wall thickness must be maintained as specified by the engine block manufacturer. (NO blocks larger than a stock 18 hp command)
9. One carburetor maximum per motor.
10. Carburetor must be stock appearing for engine manufacturer. Maximum air restricting venturi diameter: 1.200 inch. Air flow must be controlled by throttle shaft actuated butterfly in stock location. No air may enter intake after 1.200 inch restriction. Velocity stacks are allowed. No fuel injection allowed. Two barrel command carburetors allowed.
11. Maximum camshaft regrind spec: .330" lift at zero lash at cam shaft lobe. Maximum valve diameter: 1.380".
12. RPM limited to 4,500
13. All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

## Unlimited Class UL950, UL1050

1. Standard garden tractor or similar engines. No horsepower or rpm limits with proof of aftermarket steel or billet flywheels (will be checked at test day or tractor's first pull). Aftermarket garden tractor competition blocks are allowed. No motorcycle, snowmobile, or similar engines allowed. One engine with a maximum of 4 cylinders allowed, Engines must be under a hood. No turbochargers allowed. Naturally aspirated engines only. No fuel injection allowed.
2. Maximum tire size: 26 x 12.00 x 12. Special competition puller tires are allowed - Cepeks, Pit Bulls, Lawn Techs, or similar tires. Tires may be ground, cut, siped, grooved, etc. if desired. (subject to remaining in safe running condition). CGTPA Tech committee will make final decision regarding tires deemed to be unsafe.
3. Gasoline, diesel fuel, methanol or alcohol only. If methanol or alcohol is used, a fire suit must be worn.
4. Single engine tractors from lower CGTPA classes may move up to UL950, and UL1050 if the tractor meets all of the requirements of the UL class.
5. Any type frame may be run, as long as it passes safety inspection by the CGTPA Tech committee. Vehicle must have hood, grill, rear fenders, steering wheel, seat, etc., although it does not have to replicate a particular brand or model of tractor. The CGTPA Tech committee will make the final decision of whether a particular tractor meets the guidelines of this rule.
6. Youth can pull in this class, but must be over years of age and will be competing as an adult.
7. 56 inch maximum wheel base.
8. Maximum Cubic Inch limit for this class will be 52 cubic inches.
9. All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.
10. **Weight bracket extension are allowed as long as the overall length does not exceed 96" from center of rear wheel to the furthest forward point of the tractor. Max wheel base limit remains at 56".**

## **Motorcycle Engine 1150lbs and 1350lbs**

1. Motorcycle engines only, maximum 1225cc size. One engine allowed per tractor, 4 cylinders maximum.
2. No turbocharges or supercharges allowed. Must be naturally aspirated.
3. No limit on rear drive axle type or configuration. Reverse gear is optional.
4. Maximum tire size 26x12x12. Chevron tires allowed.
5. No RPM limit.
6. Maximum tractor length: 96" from center of rear axle to very most front including weight bars and weights
7. **Tractors with no hoods will be allowed in this class only.**

OPTIONAL – Tractor shall be equipped with a minimum 3/8" cable securely attached to the differential housing or frame, extending around the hitch.

## **Open Class Tractor 1050 and 1150lbs**

**This class is reserved for tractors that don't fit any standard CGTPA class.**

Garden tractor/compact tractor diesel –  
No snowmobile, automotive, turbine, or aircraft, etc. engines.

1. Maximum tire size 26x12x12. Chevron tires allowed.
2. No rpm limit. Must meet all safety standards of the club. Tech inspection required.
3. Vehicle must still look like a tractor with stock looking tin or similar type.
4. Allows NQS diesel tractors built to NQS rules to pull in this class.
5. Allows engines no bigger than 1100cc with tech approval.
6. All diesel and 4 stroke gas engines cannot exceed 75 cubic inches.
7. All tractors will have to be approved by the tech committee and discussed with the board.
8. You must contact the CGTPA Tech Committee before you build or show up with a tractor in this class.
9. All vehicles must have stationary weight brackets. No weight allowed in either seat or hook point. All weights must be secured to vehicle. Weights are not to extend more than 12" beyond the rear tire, nor shall any portion of weights be positioned more than 72" in front of the center of the rear wheel.

1-27-19

*Hoods optional in motorcycle class*

*UL-weight extension bar allowed*

*Twin – Chevron tires allowed*

*Econo- drop RPM limit to 3800*

*Econo-hitch height 11 ½, home made hitch allowed with Tech Committee approval*

1-27-18

**Weights/weigh in-** weigh in changed from before 1<sup>st</sup> hook to every hook

**ECONO-added stock only hitch at 10” maximum**

**RPM** -4500 remains limit for LT, Econo, GT, MT and ME, added “billet” flywheel

**Tachometer** – added “all limited” require a tachometer

**Drawbars** – changed diameter hole from ¾” to 1”

**Fuel** - added “open class” to alcohol, methanol, & E88 allowance

#### DOCUMENT REVISION HISTORY

1-14-17

Added new TACHMOMETER required on all except Econo

Under LENGTH -Added m/c length maximum of 96”

Under SHIELDING-Added Block shielding not required on m/c engine blocks

Added Factory clutches on m/c engines do not have to be shielded

Under REAR ENDS-Added added m/c to list of classes that do not require stock tractor transaxle Under OPENCLASS-

Deleted m/c from allowable engines Added new Motorcycle class to General Rules

1-9-16

Limit number of entries per tractor per class to two Add length limit

for all tractors to 72 Added SA V-Twin lass

Added engine limitations to Open Class Added motorcycle

specifications to Open Class Eliminated the 1000# weight in

the UL Class

1-15-16 Remove GT25

5-24-13

Added GT12 Class

Added 2HP bump for Hydrostats in GT classes

6-5-13

Removed Command and Vanguard engine restriction from Econo Heavy

Removed LT12 allowance in GT8 classes