

**GLENFORD LIONS CLUB
AUGUST 1, 2015
GARDEN TRACTOR CLASSES**

weigh in at 10am pulling starts 11am

LAWN STOCK CLASSES

12 HP AND UNDER-1050# adamsville rules

16 HP AND UNDER -1050# adamsville rules

SUPER STOCK - 1050# adamsville rules

SUPER STOCK TWIN - 1050# adamsville rules

SPORT STOCK CLASSES

12 HP AND UNDER- 1050# nqs

16 HP AND UNDER - 1050# nqs

STOCK ALTERED – 16hp-1050# nqs

OUTLAW -1050# nqs

PRO STOCK -1050# nqs

OPEN -1150# nqs

ENTRY FEE IS \$10.00 PER HOOK

PAYBACK PERCENTAGE IS 70% AND 30% TO THE CLUB

Payback			
Two places	Three places	Four places	Five places
1-60%	1-45%	1-40%	1-30%
2-40%	2-33%	2-30%	2-25%
	3-22%	3-20%	3-20%
		4-10%	4-15%
			5-10%
Six places	Seven places	Eight places	
1-28%	1-26%	1-22%	
2-23%	2-21%	2-19%	
3-18%	3-17%	3-17%	
4-14%	4-13%	4-13%	
5-10%	5-11%	5-11%	
6-7%	6-7%	6-8%	
	7-5%	7-6%	
		8-4%	

**LAWN STOCK CLASSES: 12 HP AND UNDER-850# & 950#
16 HP AND UNDER - 1000# & 1050#**

- * STOCK BORE +.030 OVER**
- * STOCK OEM PARTS ONLY, THAT CAME IN OR ON THE ENGINE FROM OEM.**
- * BEARINGS ON RODS ALLOWED.**
- * HEAD MILLING IS PERMITTED (FLAT), NO WELDING OR ALTERING THE HEAD, MUST BE STOCK HEAD, NO RELIEVED BLOCKS. PORT AND POLISH NOT ALLOWED.**
- * SINGLE CYLINDERS ONLY, UNLESS TRACTOR CAME FROM OEM W/TWIN, HAS TO BE UNDER 16HP.**
- * 4000 RPM'S MAX. MUST BE CONTROLLED BY GOVERNOR.**
- * CARBURETOR SHALL BE NO LARGER THAN STOCK 30 CARB. W/1" VENTURI. NO SPACERS OR VELOCITY STACKS ALLOWED. MUST BE OEM CARBURETOR**
- * OEM FACTORY IGNITION SYSTEM.**
- * MUST HAVE MUFFLER OR VERTICAL EXHAUST.**
- * MUST HAVE STOCK OEM FLYWHEEL AND SHIELD. CLUTCH MUST BE SHIELDED.**
- * PUMP GAS ONLY, 93 OCTANE MAX., NO ADDITIVES OR ALCOHOL ALLOWED.**
- * OPEN OR LOCKED REAR ENDS PERMITTED. MUST HAVE REVERSE.**
- * TIRE SIZE MAX. OR 23x10.50x12, ALUMINUM WHEELS ALLOWED. TIRES CANNOT BE CUT OR ALTERED IN ANY WAY. NO PROFESSIONAL PULLING TIRES. NO WIDENED**

RIMS. 10.50 IN. WIDE WHEEL MAXIMUM.

*** 13" HITCH HEIGHT.**

*** STOCK WHEEL BASE, W/OEM TRACTOR FRAME. FRAME CANNOT BE ALTERED IN ANY WAY. NO SHEET METAL CHANGES. IF TRACTOR CAME WITHOUT FENDERS YOU MUST PUT FENDERS ON . IF TRACTOR CAME W/FENDERS THAY MUST BE THE OEM FENDERS ON THAT TRACTOR. MUST HAVE FOOT RESTS.**

*** ENGINE MAY BE REPLACED WITH ANOTHER ENGINE THAT MEETS STOCK CLASS RULES.**

*** MUST HAVE OEM STYLE SEAT, NO HOMEMADE SEATS.**

*** FOOT CONTROL THROTTLES ALLOWED.**

SUPER STOCK

1000# & 1050#

*** MAY MAKE SHEET METAL CHANGES.**

*** ALTERED WHEELBASE ALLOWED**

*** OPEN TO ANY OEM SINGLE CYLINDER (ONLY) GARDEN TRACTOR (16 HP MAX.) BRIGS & STRATTON, KOHLER & TEC ENGINES ONLY. ANY OVERHEAD VALVE ENGINES MUST BE ON ORIGINAL FRAME THAT IT CAME ON FROM OEM. TRACTOR MUST HAVE REVERSE.**

*** TIRE SIZE 26X12X12 MAXIMUM, MAY USE ALUMINUM WHEELS. NO PROFESSIONAL PULLING TIRES, ANY CUT ALLOWED. MUST HAVE NAME ON SIDEWALL.**

*** SEAT MUST HAVE BACK REST OR PAN SEAT, NO FLAT SEATS.**

***MUFFLERS ARE OPTIONAL OR VERTICAL DISCHARGE STACK.**

- * MAY HAVE FOOT OR HAND THROTTLE CONTROL.
- * GOVERNOR MUST CONTROL RPM'S OF ENGINE AT A **MAXIMUM OF 4000 RPM'S.**
- * NO PERFORMANCE CAM SHAFTS. MUST BE OEM NO ALTERING OF CAMSHAFT.
- * PORT AND POLISH IS ACCEPTABLE OF INTAKE AND EXHAUST PORTS.
- * FLAT HEAD MILLING IS PERMITTED, MUST BE OEM HEAD, NO ALTERING THE HEAD ANY OTHER WAY.
- * ALL ENGINE PARTS MUST BE OEM. RODS CAN HAVE BEARING INSERTS. NO REVERSE FLOW ENGINES. STOCK BORE **+.030** OVER. STOCK VALVE DIMENSIONS. 1" CARB VENTURI MAX. MORE THAN ONE CRANKCASE VENTALLOWED.
- *STEEL FLYWHEEL OPTIONAL.
- * RACING OR PUMP GAS ONLY ALLOWED, 110 OCTANE MAX.
- * CHEVY POINTS ALLOWED.

SUPER STOCK TWIN

1000# & 1050#

- * MAY MAKE SHEET METAL CHANGES
- * ALTERED WHEELBASE ALLOWED
- * OPEN TO ANY OEM TWIN CYLINDER GARDEN TRACTOR (**25HP MAX**) TRACTOR MUST HAVE REVERSE.
- * TIRE SIZE 26X12X12 MAX. MAY USE ALUMINUM WHEELS. STOCK OR ANY CUT ALLOWED. NO PROFESSIONAL PULLING TIRES. MUST HAVE NAME ON SIDEWALL.

- * SEAT MUST HAVE BACK REST OR PAN SEAT, NO FLAT SEATS.
- * MUFFLERS ARE OPTIONAL OR VERTICAL DISCHARGE STACK.
- * MAY HAVE FOOT OR HAND THROTTLE CONTROL.
- * GOVERNOR MUST CONTROL RPM'S OF ENGINE AT A MAXIMUM OF **4500 RPM'S**.
- * NO PERFORMANCE CAM SHAFTS. MUST BE OEM NO ALTERING OF CAMSHAFT. MUST HAVE OEM PARTS THAT CAME ON THAT ENGINE FROM OEM. PORT AND POLISH IS ACCEPTABLE OF INTAKE AND EXHAUST PORTS. NO REVERSE FLOW ENGINES.
- * STEEL FLYWHEEL OPTIONAL.
- * FLAT HEAD MILLING IS PERMITTED, MUST BE OEM HEAD, NO ALTERING THE HEAD ANY OTHER WAY.
- * STOCK BORE **+.030 OVER**.
- * SINGLE BARREL CARB. UNLESS OEM PUT TWO BARRELS ON THAT ENGINE.
- * RACING OR PUMP GAS ONLY ALLOWED, 110 OCTANE MAXIMUM.

**SPORT STOCK CLASSES: 12 HP AND UNDER - 1000# &
1050 #**

16 HP AND UNDER - 1050# & 1100#

- * STOCK BORE **+.030 OVER**
- * CAMSHAFT **.324 LIFT MAX AT VALVES**
- * STOCK VALVE DIMENSIONS, STAINLESS STEEL VALVES ALLOWED.
- * FOUR BOLT RODS ALLOWED, MUST BE STOCK

LENGTH.

*** NO CRANKSHAFT STROKING OR POP UP PISTONS, PISTON CAN NOT POP OUT ABOVE BLOCK, STEEL CRANKS ALLOWED.**

*** NO REVERSE PORT ENGINES.**

*** HEAD MILLING IS PERMITTED, NO WELDING OR ALTERING THE HEAD, MUST BE STOCK HEAD, NO RECAST OR BILLET HEADS ALLOWED, NO RELIEVED BLOCKS, PORT AND POLISH ALLOWED, CAN CLEAN UP AROUND VALVE AREA BUT CAN NOT GO INTO CYLINDER.**

*** SINGLE CYLINDERS ONLY.**

*** CARBURETOR SHALL BE NO LARGER THAN STOCK 30 CARB. W/1" VENTURI. NO SPACERS OR VELOCITY STACKS ALLOWED. MUST BE OEM CARBURETOR.**

*** OEM FACTORY IGNITION SYSTEM, CHEVY POINTS ALLOWED, ELECTRONIC IGNITION ALLOWED.**

*** FLYWHEEL, CAST IRON W/FINS MUST HAVE 1/8" STEEL OR 3/16" ALUMINUM ALL THE WAY AROUND. CAST W/PLASTIC FINS OR STEEL CAN RUN STOCK SHIELD.**

*** OEM MANUFACTURED BLOCKS ONLY.**

*** PUMP GAS OR RACING GAS ALLOWED 110 OCTANE MAX., **NO ADDITIVES OR ALCOHOL ALLOWED.****

*** OPEN OR LOCKED REAR ENDS PERMITTED.**

*** TIRE SIZE MAXIMUM OF 26X12X12, CUT TIRES AND ALUMINUM WHEELS ALLOWED.**

*** 13" HITCH HEIGHT**

*** 52" WHEEL BASE, W/OEM TRACTOR FRAME.**

*** TRACTOR MUST HAVE WORKING KILL SWITCH THAT SHUTS OFF IGNITION AND FUEL PUMP. SWITCH WILL BE LOCATED WITHIN RANGE OF 6" EITHER SIDE OF THE CENTER OF THE BACK OF TRACTOR, EASILY ACCESSIBLE.**

*** DRIVER MUST WEAR "DOT" APPROVED HELMET.**

*** ENGINE MUST HAVE SCATTER SHIELD ON STARTER SIDE, ON INLINE CONCEPT.**

*** FRONT CRANKSHAFT MUST HAVE RETAINER BOLT AND WASHER IF RUNNING WITH STARTER PULLEY.**

1. MUST HAVE MINIMUM OF 3 HOOKS PER CLASS

2. PERSONS UNDER 18 YEARS OF AGE MUST HAVE A PARENT OR LEGAL GUARDIAN SIGN A PERMISSION SLIP. 14 & UNDER MUST BE ASSISTED. NO ONE UNDER AGE OF 6 ALLOWED. AGES 6-10 ARE REQUIRED TO HAVE A TETHER SAFETY SWITCH INSTALLED ON SIDE OF TRACTOR. MUST BE ABLE TO REACH PEDALS AND CONTROL TRACTOR BY THEMSELVES. AGES 16 AND YOUNGER MUST WEAR "DOT" APPROVED HELMET.

4. ONLY ONE AWARD PER TRACTOR PER CLASS.

5. TRACTORS MUST BE OPERATED IN A SAFE MANNER AT ALL TIMES.

6. OPERATOR MUST REMAIN SEATED AND KEEP ONE HAND ON STEERING WHEEL AT ALL TIMES.

7. NO HOMEMADE TRACTORS WILL BE ALLOWED TO COMPETE.

8. NO ONE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS WILL BE PERMITTED TO PARTICIPATE OR COMPETE.

9. ALL PULLS MUST START WITH TIGHT HITCH. NO JERKING PERMITTED. ALL HITCHES MUST BE FIXED. NO FLOATING HITCHES. ALL HITCHES WILL BE MEASURED FROM HIGHEST POINT WHERE CHAIN HOOKS. HITCHES MUST BE ACCESSIBLE FOR EASY HOOK UP.

10. WHEELIE BARS ARE MANDATORY, WHEELS MUST BE AT LEAST 5" DIAMETER W/STEEL CENTERS, AND 1" WIDE. 5" FROM REAR OF THE TIRE ON TRACTOR TO CENTER OF WHEELIE WHEEL OR FOOT (3" MIN). NO HIGHER THAN 5 " FROM GROUND.

11. EACH CLASS WILL CLOSE WHEN FIRST TRACTOR PULLS OR ANNOUNCER CALLS CLASS CLOSED.NO ENTERING CLASS OR MONEY BACK AFTER CLASS IS CLOSED.

12. GLENFORD LIONS CLUB IS NOT RESPONSIBLE FOR DAMAGES SUSTAINED BY YOU OR TO YOUR EQUIPMENT AT OUR EVENT.

13. FRONT WEIGHTS CANNOT EXCEED MORE THAN 72" FROM END OF WEIGHTS TO CENTER OF REAR AXLE. REAR WEIGHTS NOT TO EXTEND BEYOND REAR TIRES. WHEEL WEIGHTS CANNOT EXTEND MORE THAN 8" FROM TIRE.

14. IF ANY PART OF TRACTOR TOUCHES BOUNDARY LINE OR ANYTHING FALLS FROM OPERATOR OR TRACTOR WHILE HOOKED TO SLED, DISQUALIFICATION. OPERATOR MUST STOP WHEN FLAG IS WAVED.

15. DRIVER IS ALLOWED TWO ATTEMPTS TO START SLED, WITHIN 50 FT. EXCEPT IN PULL OFF, ONLY ONE ATTEMPT ALLOWED. DRIVER HAS 2 MINUTE TIME

LIMIT FROM CALL TO HOOK.

19. TOP THREE TRACTORS CAN NOT LEAVE TRACK AFTER PULLING, MUST WEIGH OUT AND CHECK DRAW BAR AND ANY OTHER INSPECTIONS IF TRACTOR LEAVES TRACK IT WILL BE DISQUALIFIED.

21. TO KEEP PULL MOVING, WE NEED PARTICIPATION FROM ALL PULLERS. THE PREVIOUS CLASS OPERATES THE NEXT CLASS.

22. HITCH MUST BE ACCESSIBLE FOR EASY HOOK UP. 13" HITCH HEIGHT. WHEELIE BARS MANDATORY, IF WHEELS ARE USED THEY MUST HAVE STEEL CENTERS. MUST HAVE A SAFETY KILL SWITCH THAT SHUTS OFF IGNITION, SWITCH WILL BE LOCATED WITHIN RANGE OF 6" OF EITHER SIDE OF CENTER OR REAR OF TRACTOR.

RULES THAT APPLY SPECIFICALLY TO 14 HP CLASS

- 1. Engine speed will be limited to 4000 RPM.**
- 2. The only modifications allowed maximum bore of .040" over stock. Porting, use of larger valves, larger venturi, aftermarket heads is NOT permitted. Aftermarket cams permitted.**
- 3. Maximum displacement for FLH will be 34.0 CI and 24.3 CI.**
- 4. Tractor will be subject to spot check for legality.**
- 5. Maximum tire size of 23x10.50x12, bar tires.**
- 6. A working governor is required.**
- 7. 52 in wheel base max. Must be a stock garden tractor frame.**
- 8. All children 6 - 8yrs old may have a parent or guardian walk along side of tractor . Ages 9-12 walk along is optional.**
- 9. All tractors must have scatter shield opposite the camshaft side of the motor. Shield must be made of a minimum of 1/16 steel or .090 aluminum. Dimensions must be from the bottom of the engine to 4 1/4" above the center-line of the crankshaft and must be attached in a secure manner.**

RULES THAT APPLY SPECIFICALLY TO OUTLAW CLASS

- 1.NQS RULES. EXCEPT NO NITRO METHANE**
- 2.ALL PREVIOUS 30 MOD TRACTORS ARE ELIGIBLE.**
- 3.Naturally aspirated only.**
- 4.Alcohol fuel.**
- 5.Maximum tire size 26x12x12.**
- 6. Flywheel, clutch and engine shielding are required the same as Pro Stock.**

RULES THAT APPLY SPECIFICALLY TO PRO STOCK

- 1.Single cylinder Pro Stock is defined as any tractor having a one cylinder air-cooled four cycle flat-head, commercially produced block means: made by Kohler, Wisconsin, Briggs, Tecumseh. If a copy is being made, engine must meet manufacturers spec's for engine being copied for: crank and cam location, deck height, two valves same side, valve angle (max valve angle 6 degrees) and factory Kohler head bolt pattern if other than stock.**
- 2.Original carburetor may be used. Stand off pipe or ram tubes are permitted. Choke may be removed, single carburetor only. Air restricting venturi must be in the middle third of carburetor and must be round and not larger than 1.200". Air controlled by a butterfly in stock position in carburetor. No slides. No injection, naturally aspirated only. No air entering after the 1.200" restriction. Must be a Kohler type carburetor if other than stock for that engine model being used. Recast carburetors may be used by must but patterned after Kohler or Carter Model N Carburetor and meet these spec's- maximum round throttle plate area outside diameter 1.675" Maximum round choke plate area outside diameter 1.900", Maximum outside**

- diameter of fuel bowl 2.350" (stock Kohler bowl)
Maximum length of main carburetor body 3.500"3.
3. Tires must be no larger than 26x12x12.
 4. All tractors must have a hood and grill.
 5. Alcohol to be clear.
 6. No pressurized fuel tanks or nitrous oxide permitted.
 7. All final drive belts and clutches must be covered 360 degrees with 1/8" steel or equivalent.
 8. Open carburation in 50.5 CI Super Stock classes.
 9. Fuel will be checked and carburetor venturi measured if protested along with CI.
 10. **Helmets and Fire suit required.**
 11. Stock blocks single cylinder engines must have a head tie down.
 12. No blowers or turbos permitted, only naturally aspirated.
 13. Stock frames are not required.
 14. Pro Stock flywheels and starter pulleys must be steel or aluminum. No cast iron or cast aluminum. No welded fins, no stamped pulleys if so stock altered maximum RPM of 4500 will be enforced.
 15. All tractors must be equipped with a dead man throttle on induction system and must carry a 2 3/4lb. minimum size dry chemical fire extinguisher or equivalent.

Maximum wheel base 56 inches form center of rear wheel to center of front wheel.

RULES THAT APPLY SPECIFICALLY TO OPEN CLASS

Any single or twin cylinder, 4 cycle engine or engines.

Open carbonation.

Blower or turbos are permitted. All turbo engines are to have two 3/8" grade 5 or stronger in vertical portion of exhaust pipe.

Bolts to be installed 180 degrees to each other, within 1” of each other.

Tire size, maximum of 15” rim diameter.

Maximum tractor length including weights is 8 feet from center of rear axle to farthest point forward.

All of drive train shall be covered as per item 7 or Pro Stock rules as well as all other safety related rules as specified in Pro Stock and General Rules sections.

Helmets and full fire suit required.

ADDITIONAL RULES FOR DIESELS IN OPEN CLASS

- 1. Diesel engines limited to 1 turbo.**
- 2. Diesel engine requires one, 1/4” min. Steel cable surrounding both block and head. This cable must be placed between the first and second cylinder. Cable must have a minimum of 2 clamps on each side of splice. Cable must have approximately 4 inches of slack.**
- 3. Diesel engines must have manual fuel shutoff control within easy reach of driver. (Normal fuel shutoff on diesel pump)**
- 4. Manual 3 way dump valve required on all diesel engines just before the injector pump that can be operated from driver’s seat.**
- 5. On diesel engines the kill cable must manually activate on air shutoff device. No electric operated air shutoffs. Diesel system must have a spring loaded air shutoff device activated by a positive enclosed cable. Air shutoff device to be a hinged door, (rain cap type) or slide type device on the air intake. Diesel system shall be deemed acceptable if it at least prevents the building of boost. Diesel air shutoff must have**

a separate control or driver working independent from control sled.

- 6. Diesel engines must have externally visible return to idle spring on the fuel injection pump throttle arm.**
- 7. Deflection shield required on both sides of engine block parallel with crankshaft, extending the complete length of the block casting.**
- 8. Shielding on inline engines shall extend from the bottom of head (top of block) to 2" below bottom center of crankshaft throw. Shielding must be a minimum of 1/16" (.060) steel or aluminum and must be mounted to chassis independent of side of engine block. Shield may be braced to chassis, header mounting, engine mounting, etc.**
- 9. If using hood, side shields to be mounted independent of hood. Hood must be allowed to tilt or removed and side shields are to stay with chassis.**
- 10. All exposed turbochargers and turbochargers under non-metal hoods must be completely shrouded 360 degrees, except for inlet and exhaust pipes with a minimum of 1/16" (.060) steel or aluminum.**
- 11. All diesels must use a steel or aluminum flywheel, (no cast iron) and clutches and drive line shielded the same as all alcohol tractors.**
- 12. Diesel engines must shield all rotating mass mounted to crankshaft opposite the flywheel end. Shield must cover 360 degrees**

from engine block to one inch (1") in front of rotating mass. Shield to be from frame rail to frame rail by a minimum of 1/8" (.125") steel or aluminum and fastened to frame on each side by a minimum of 2 evenly spaced bolts (5/16 grade minimum.)