

# 2021 Keokuk County Expo Spring Nationals Rules

## March 19 & 20, 2021

### General Rules

1. Drivers under 18 must have parental consent.
2. Excessive consumption of alcoholic beverages will be grounds for disqualification.
3. Foul or abusive language will be grounds for disqualification.
4. Driver must be firmly seated in the seat at all times, in a forward or normal upright position, no bouncing permitted. Driver must have at least one hand on the steering wheel, except when operating brakes on hand models.
5. Tractors must be operated in a safe manner at all times. Speed is not to exceed 4 mph off the track.
6. Agricultural tractors only must be of the two-wheeled drive type, no industrial or construction tractors.
7. All fans, PTO, or exposed moving parts must be shielded as by manufacturer. Tractor must have working brakes.
8. No dual wheels, tire chains, or steel wheels will be allowed to pull. Radial tires are not allowed. Any cut on tires allowed.
9. Tractors are to be naturally aspirated. Blowers are not permitted. No fuel injection or gas under pressure after carburetor is allowed unless factory equipped. Oliver 99 with G.M. diesel allowed.
10. All weights must be stationary and safely secured to the tractor. No weights chained to the seat. If anything should fall from the tractor (weights or parts) while hooked to the sled, disqualification will result.
11. Front weights shall not exceed 11 feet from center of rear axle.
12. The driver must start with sled chain tight. You are allowed 20 ft. or two tries to move the sled, or whichever comes first.
13. If at any time, any part of the tractor goes out of the side boundaries the pull distance will be measured from that point. This will be strictly enforced.
14. Each tractor will be allowed one hook per class.
15. Tractors shall pull in the order that they are registered (by drawing for positions). There will be no waiting. If the tractor is not in the order, it will pull as soon as possible in the class.
16. Tractor must stop immediately upon the red flag signal from the judge or be disqualified. If the tracks judge stops the puller for any reason, the puller takes the distance where he was stopped.
17. No one is allowed on the track, except the officials and the puller.
18. Wheelie Bars and kill switches are mandatory. Fenders are encouraged.

19. RPM Limits will be strictly enforced!!!! Please have a plug wire easily accessible. Or laser pickup tape in a location that is easy to check.
20. All tractors to have positive throttle stops with a working governor in the stock location.
21. **All judges' decisions are final! If tech decides your tractor is unsafe you will not be allowed to pull and will receive your entry fees back.**

### Classic 4 mph

1. 1959 or older Tractors.
2. Maximum ground speed limit 4 mph.
3. Maximum RPM is 30 % over stock.
4. Rev Limiters allowed. Mechanical governor should still function.
5. Maximum of 18.4-inch wide tire, any rim width or diameter allowed.
6. Be original in appearance except wheels or weights.
7. Frames, carburetors and governors are to be stock or OEM replacement parts.
8. Tractors must have the stock engine, frames, transmission, rear end and axle housings or manufacturer's replacement **for make and model of tractor being pulled**. Stock heads and their replacements are to remain unchanged in outside appearance. Oliver 77/Su77/88/Su88/880 models only are allowed – (7) main blocks; (12) port heads & blocks 1600 – 1800 series. Waukesha 1100/GK series heads and blocks. AC - WC/WD/WD45 can use D-17 engine; IH/Farmall - H, SH, 300, 350; M, SM, SMTA, 400, 450 engines. JD -A/B/G/50/60/70 can use TSC Power Blocks. M-M 800 or 800 HD heads or blocks are allowed. The taller M-M "G" & 605 blocks are allowed on all M-M models. Co-op E4 & E5 and Cockshutt 40 & 50 can use Hercules 298, 339, and/or 3400 engines. Dual exhaust not allowed except after stock manifold. Heads that bolt on without modification from the same manufacture with the same length and width and the same number of cylinders is allowed if not stated above.
9. The hitch point can be no higher than 20 inches from the ground. And no closer than 18 inches from the center of the rear axle to the hitching point. The drawbar must not interfere with the chain or hook. Drawbar must be rigid in all directions. 3.25" minimum round hole and hook must swing freely. **NO HITCH ADJUSTERS ABOVE THE CENTERLINE OF THE AXLE!!!!**

### Classic Open Speed

1. 1959 or older tractors.
2. Maximum RPM is 30 % over stock.
3. Rev Limiters allowed, Mechanical governor should still function.
4. Tractors must have the stock engine, frames, transmission, rear end and axle housings or manufacturer's replacement **for make and model of tractor being pulled**. Stock heads and their replacements are to remain unchanged in outside

appearance. Oliver 77/Su77/88/Su88/880 models only are allowed – (7) main blocks; (12) port heads & blocks 1600 – 1800 series. Waukesha 1100/GK series heads and blocks. AC - WC/WD/WD45 can use D-17 engine; IH/Farmall - H, SH, 300, 350; M, SM, SMTA, 400, 450 engines. JD -A/B/G/50/60/70 can use TSC Power Blocks. M-M 800 or 800 HD heads or blocks are allowed. The taller M-M “G” & 605 blocks are allowed on all M-M models. Co-op E4 & E5 and Cockshutt 40 & 50 can use Hercules 298, 339, and/or 3400 engines. Dual exhaust not allowed except after stock manifold. Heads that bolt on without modification from the same manufacture with the same length and width and the same number of cylinders is allowed if not stated above.

5. Be original in appearance except wheels, weights and safety equipment.
6. Maximum of 18.4-inch wide tires; rims can be any width or diameter.
7. Any gear and speed is allowed.
8. The hitch point can be no higher than 20 inches from the ground. And no closer than 18 inches from the center of the rear axle to the hitching point. The drawbar must not interfere with the chain or hook. Drawbar must be rigid in all directions. 3.25” minimum round hole and hook must swing freely. **NO HITCH ADJUSTERS ABOVE THE CENTERLINE OF THE AXLE!!!!**

### Top Cut

1. 1959 or older tractors.
2. Maximum RPM is 20% over stock.
3. Maximum ground speed limit is 3 MPH.
4. Maximum tire size – 2500-4500 lbs. maximum tire size up to 15.5x38 or 200 sq. in. on any width rim; 4501-6500 lbs. or up to a 16.9x34 or 229 sq. in. maximum tire size on any width rim; 7000-9500 maximum tire size is 18.4x38 on any width rim. No radial tires. No steel wheels. Two-wheel drive only. No duals. Top cut tires allowed – no cutting, alterations or changes to the front edge of the tire is allowed.
5. Tractors must have the stock engine, frames, transmission, rear end and axle housings or manufacturer’s replacement **for make and model of tractor being pulled**. Stock heads and their replacements are to remain unchanged in outside appearance. Oliver 88/Su88/880 models only are allowed – (7) main blocks; (12) port heads & blocks 1600 – 1800 series. Waukesha 1100/GK series heads and blocks. AC - WC/WD/WD45 can use D-17 engine; IH/Farmall - H, SH, 300, 350; M, SM, SMTA, 400, 450 engines. JD -A/B/G/50/60/70 can use TSC Power Blocks. No M-M 800 or 800 HD heads or blocks allowed. The taller M-M “G” & 605 blocks are allowed on all M-M models. Co-op E4 & E5 and Cockshutt 40 & 50 can use Hercules 298, 339, and/or 3400 engines. Dual exhaust not allowed except after stock manifold. Heads that bolt on without modification from the same manufacture with the same length and width and the same number of cylinders is allowed if not stated above.

6. The hitch point can be no higher than 18 inches from the ground. And no closer than 18 inches from the center of the rear axle to the hitching point. The drawbar must not interfere with the chain or hook. Drawbar must be rigid in all directions. 3.25" minimum round hole and hook must swing freely. **NO HITCH ADJUSTERS ABOVE THE CENTERLINE OF THE AXLE!!!!**

#### Top Cut Tire Chart

0-4500# class 200 sq. in. 4501-6500# class 229 sq. in. 6501-9500# class 300 sq. in.

11.2 x 38 - 120 sq. in. 12.4 x 38 - 140 sq. in. 13.6 x 38 - 168 sq. in.

11.2 x 36 - 115 sq. in. 12.4 x 36 - 135 sq. in. 14.9 x 28 - 170 sq. in.

18.4 x 28 - 126 sq. in. 13.6 x 28 - 145 sq. in. 13.6 x 24 - 130 sq. in.

14.9 x 26 - 144 sq. in. 14.9 x 38 - 200 sq. in. 18.4 x 34 - 284 sq. in.

18.4 x 38 - 300 sq. in. 15.5 x 38 - 189 sq. in. 16.9 x 38 - 252 sq. in.

16.9 x 34 - 229 sq. in. 18.4 x 28 - 250 sq. in.

**FOR FURTHER INFORMATION CONTACT. Alison Barber  
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