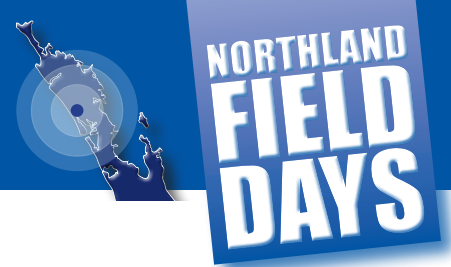


# Tractor Pull Entry Form



Saturday 7th March 2020  
Awakino Point East Road, State Highway 14, Dargaville

Driver: .....

Occupation: ..... Tel: ..... Fax: .....

Email: ..... Mob: .....

Postal Address: (Include Post Code) .....

.....

Tractor Details			
MAKE			
MODEL			
YEAR			
ENGINE POWER	kW	or hp	(1kW = 1.341hp)
PTO POWER	kW	or hp	

**IMPORTANT DEADLINE TO NOTE:**  
**Registrations & entry fee - 26th February 2020** **ENTRY FEE: \$40 per person**

**NOTE:** 1. Entries limited to PTO power outputs of 25-201kW (33.5-270hp)  
2. Your practice sledge weight (new entrants only) will be based on this information so be as accurate as possible.  
Standard of Measurement (D.I.N., S.A.E., B.S., etc) if known: .....  
State source of reference: (eg Test Report, Manufacturers' Claim): .....

**N.B. PTO Dynamometer Tests will be carried out on all tractors.**

2 Wheel Drive or 4 Wheel Drive .....

Are you a new Entrant in this competition? YES  NO

**New Entrants will be notified of their practice time for Wednesday Afternoon**

\* Name of Team and other two members (if applicable): .....

.....

*I have read and agree to abide by the conditions and accept the decision of the organisers in all matters of arbitration, as being final.  
I enclose \$40.00 entry fee payable to Northland Field Days Inc. Please collect your passes from John Phillips prior to Competition.*

Signed: .....

Date: .....

Please complete and return to:  
Northland Field Days  
PO Box 103, Dargaville  
email: info@northlandfielddays.co.nz

**Anyone referring to this competition or using any part of it in advertising, must refer to it as the Northland Field Days Tractor Pull.**

# TRACTOR PULL

## NORTHERN ZONE REGIONAL COMPETITION

### The Competition

The competition will be run on a seeded system with the winner of the heat carrying on, and the loser going through to the consolation round. Each competitor will be required to drive his/her tractor over a 100m course pulling a scientifically calibrated sledge with weights added according to the power output of the tractor as measured on a PTO dynamometer.

Knockout heats will be run in pairs during the competition. Each tractor will have two runs (one in each of the two lanes) and the times for both will be aggregated.

The heat winners from the first round will compete on Saturday for the final. Each race involves two runs and an aggregate time.

The consolation competitors (those knocked out of the first round) will have a second heat on Friday.

The run up to the start line prior to each race will enable final adjustments of hitch height, speed and gears to be tested.

A compressor will be available to adjust tyre pressures between races but there will be insufficient time between the two runs of any race to make any major adjustments.

A team prize will be awarded to the team of three competitors with the lowest accumulated time from the first round knock-out heats.

### AIMS OF THE COMPETITION

To test the skill of the tractor operator in setting up and driving his/her standard production tractor by selecting the best combinations of tyre, tyre pressures, drawbar height, drawbar length, power/weight ratio, gear ratio and engine speed etc to obtain the best pulling speed (draw bar power) over a 100m distance whilst pulling a sledge weighted in proportion to the maximum PTO power output.

To enable spectators and competitors to compare the methods used to give the best traction, thereby utilising the engine power most efficiently.

### CARL PHILIPS MEMORIAL TROPHY

This is a trophy competed for by the drivers regarding sportsmanship during the competition. It is rewarded by drivers voting for a competitor whom they consider to be the best sportsperson over the 3-day event. In the event of a tied situation, the winner will be determined by the Tractor Pull Committee Vote.

### SPONSORSHIP

Competitors are encouraged to seek any form of sponsorship to assist with transport costs, entry fees, accommodation etc. Sponsors can be acknowledged by signs, stickers, flags etc on the tractor.

### REPORTING TIMES

All drivers to report to the Tractor Pull Headquarters by 9.30am for drivers meeting. Practice runs will be held on Wednesday. Drivers will be advised of reporting times for the heats on Thursday.

### CLOSING DATE

Entries must be received by the 26<sup>th</sup> February 2020 due to the need to know the number of competitors.

## THE RULES

- 1 All tractors MUST fully comply with all safety regulations AND have an approved safety frame fitted regardless of any exemption permitted by regulations.
- 2 The Northland Agricultural Field Days Society will take all safety precautions but no liability will be accepted for damage to competitor's tractors or injury to competitors. Any driving practice deemed to be dangerous will result in disqualification.
- 3 The competition is open to all STANDARD agricultural tractors with a manufacturer's maximum PTO power rating between 25-149kW (33.5-200hp). The PTO power output measured on the dynamometer at the event must not exceed 149kW (200hp).
- 4 All tractors must be on RUBBER tyres, and may be ballasted, but only with standard weights and water ballast up to the maximum level recommended by the manufacturers. Additional traction aids are permissible but their use must be confined to the competition area only to avoid damage to roadways.
- 5 Each tractor will have its maximum PTO power measured at maximum engine speed (ie full throttle). Where the power output is below 95% of the tractor manufacturer's specification, the 95% power level will be used for handicapping.
- 6 High idle and maximum power speeds of entrant's tractors must be within 15% of the manufacturer's specifications.
- 7 Tractors may not be used with an implement attached.
- 8 Normal tractor systems such as hydraulics may be used if desired. Entrants must supply their own drawbar pins, lynch pins and standard hydraulic linkage cross-arm drawbars etc as required. Chains/rollers will be supplied by Field Days.
- 9 Tractors will be pulling from a maximum hitch height not exceeding 1m above the ground. The chain length will be determined by the judges. The chain must not leave the tractor from a point more than 100mm forward of the lower link outer ball joints except if connected directly to the tractor's standard pin.
- 10 The PTO shaft must be readily accessible, and be a 21 spline PTO particularly for tractors above 60kW. Tractors over 60kW need to be operated in the 1000rpm PTO speed ratio when tested on the dynamometer.
- 11 The competitor will remain in their tractor seat between being tested at the dynamometer and completing the final run of the current race unless otherwise directed by officials.
- 12 In the event of either of the tractor's front wheels leaving the ground during the pull, the entrant will be disqualified during the heats or relegated during the finals.
- 13 Each entrant may only drive one tractor and each tractor may only be entered once. Either new or second hand tractors may be used. Competitors wishing to obtain a tractor locally must make their own arrangements before entering.
- 14 All entrants will have the opportunity of two heats if the weather permits.
- 15 Entries may not be accepted after the closing date.
- 16 Priority of acceptance will be given to entries in the order they are received by the Northland Agricultural Field Days Society, who reserve the right to accept or decline any entry.
- 17 The competition is limited to the first 32 entrants.
- 18 A re-run may be allowed for the FIRST jump at the start but you will be automatically disqualified if you jump at the start on your second attempt.
- 19 No Tractor will be allowed to race within 4 hours of entering the competition area. (this will allow a cool down time for the machine).
- 20 Any fuelling modifications found will be disqualified.
- 21 Entrants must hold a current, clean, full drivers licence.
- 22 The Tractor Pull Committees's decision on all matters is final.