

OPERATOR'S MANUAL

TEDDER

TD2418



FRONTIER

5PQ990106 (10/08/14)

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INTRODUCTION

Intended Use

Frontier Tedders are designed for evenly distributing hay and forage crops only. Frontier will not cover under warranty a tedder that has been used outside of these crops.

Serial Number














The tedder's serial number can be found on the rear of the main frame of the machine. Please use this number when requesting service, seeking information, or ordering parts. For the operator's convenience, space to record the serial number, model number, purchase date, and dealer has been provided inside the front cover of this manual.

Specifications






Specifications	TD2418	TD2427
Working Width	18' 2" (5.5m)	27' (8.1m)
Transport Width	10' 6" (3.2m)	9' (2.7m)
Gearboxes	Sealed/Oil Bath	
Rotors	4	6
Arms Per Rotor	7	
Arm Construction	Round Tubular	
PTO/HP Recommended	35	55
Weight	1350lbs	3000lbs
Spindle Size	1-3/8"	
Hub	4-Bolt w/ Tapered Bearings	
Wheels	4-Bolt Heavy Duty, Painted	
Tires	18.5 x 8	
Hydraulic Requirement	1000psi	1200psi

SAFETY

-  ***This symbol precedes specific safety instructions throughout this manual. When reading the manual, pay close attention to the information that follows this symbol.***
-  FAILURE TO FOLLOW INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY OR DEATH. READ ENTIRE MANUAL BEFORE OPERATING THE TEDDER.
-  Keep hands, feet and clothing away from the machine's power take-off (PTO) shaft and any other moving parts until the machine has been shut down and the power source has been locked out.
-  Do not adjust, unclog, lubricate, or service the tedder until it has been shut down.
-  Support the tedder securely while working under it.
-  Be certain all bystanders and animals are a safe distance away before raising or lowering the rotors.
-  Never allow anyone to ride on the tractor or the tedder.
-  When transporting, never exceed a speed of 20 MPH (32km/hr) and avoid sudden turns.
-  Be constantly aware of the ends of the machine to avoid collision with other objects.
-  When transporting the machine on public roads use the proper reflectors, lights, and slow moving vehicle signs required by local government agencies. Frontier Equipment will not be liable for any traffic violations.
-  Be sure to check all fasteners before and after every use, this is especially important when the tedder is new but is a good practice on any machinery with high vibration levels.
-  Be careful around hydraulic hoses and fittings. Never go near hydraulic leaks. High pressure leaks can puncture skin and cause serious injury or death!
-  Never allow children or untrained persons to operate equipment.

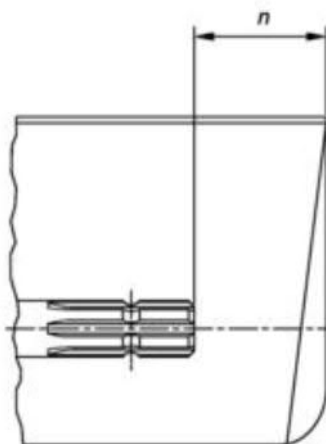
Power Source Safety

-  Do not use a PTO shaft without a rotating shield in good working order. Make sure drive system safety shields are in place on both the tractor and the tedder.
-  Do not overextend the PTO Shaft
-  PTO shield chains must be attached to the tractor and/or the tedder to keep the shield from rotating.

Stay Clear of Rotating Drivelines



TS1644-UN-22AUG95



H96219-UN-29APR10

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure that PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.

Do not install any adapter device between the tractor and the primary implement PTO drive shaft that will allow a 1000 rpm tractor shaft to power a 540 rpm implement at speeds higher than 540 rpm.

Do not install any adapter device that results in a portion of the rotating implement shaft, tractor shaft, or the adapter to be unguarded. The tractor master shield shall overlap the end of the splined shaft and the added adaptor device as outlined in the table.

PTO Type	Diameter	Splines	$n \pm 5 \text{ mm (0.20 in.)}$
1	35 mm (1.378 in.)	6	85 mm (3.35 in.)
2	35 mm (1.378 in.)	21	85 mm (3.35 in.)
3	45 mm (1.772 in.)	20	100 mm (4.00 in.)

Note: Optimum tedding speed is 400-450 PTO RPM

SAFETY

Safety Decals

Safety decals and reflectors are for the safety of yourself and others and must be heeded at all times. If any decals are missing, faded, or damaged in any way, please contact your dealer for replacements immediately.

CAUTION

To avoid serious injury:

- Read Operator's Manual before operating, servicing or repairing equipment. Follow all safety rules and instructions. (Manuals are available from your selling dealer.)
- Never allow riders.
- Keep bystanders away from equipment during operation.
- Operate from tractor seat only.
- Keep all shields in place and good condition.
- Lower equipment to ground, stop engine, remove key and set brake before dismounting tractor.
- Never allow children or untrained persons to operate equipment.

DANGER

Entanglement in rotating driveline can cause serious injury or death.

Keep all shields in place.

Avoid contact with rotating parts.

WARNING

Avoid serious injury from being struck during service or transport.

Always lock brakes or chocks before backing up or parking equipment.

Do not operate or adjust with engine started.

Use hand levers and pins before lowering wings.

CAUTION

Operate only with 540 rpm PTO

WARNING

To help prevent entanglement, stand clear of tines.

Disengage and shut off all engine power before adjusting tine height.

WARNING

Do not exceed this implement's maximum transport speed of 32km/h (20mph).

Exceeding this speed may result in loss of control during transport or braking and serious injury or death.

Transport only with a properly ballasted tractor and a properly attached safety tow chain. Do not transport with a motor vehicle. Reduce speed and use additional caution when on inclines, towing under adverse surface conditions, and turning.

WARNING

High-Pressure hydraulic oil leaks can penetrate skin resulting in serious injury, gangrene, or death.

- Check for leaks with cardboard; never use hand.
- Before loosening fittings: lower load, release pressure, and be sure oil is cool.
- Consult physician immediately if skin penetration occurs.

WARNING

THROWN OBJECTS

Do not operate near people. Debris can be thrown a long distance.

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