
FRONTIER

MANUFACTURING CO.



The New Frontier Aerator-Turner

THE "COMMON



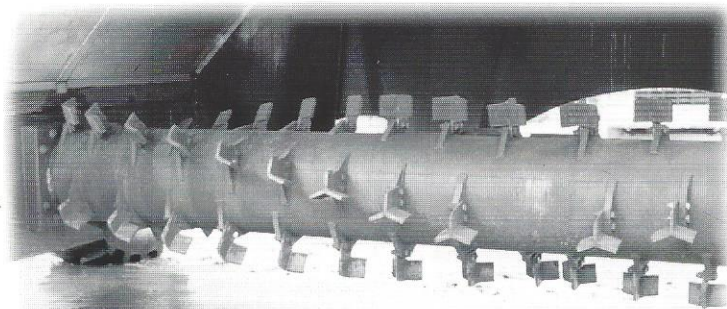
SELF TRAILERING

Easily moved from site to site.

- No special permits required
- From highway to full production in minutes
- Eliminates loading-unloading problems
- More time on the job – less time getting ready for it!
- Patented and proven

"COMMON SENSE" FEATURES

- The only compact self-trailing unit available
- 2 or 4 Wheel Drive
- 4" x 12" x .25" Steel Tubing Main Frame
- Total Load Transfer Frame Design
- The only "clear view" operator's cab available
- Time tested and proven



PADDLE DRUM

The working heart of the "COMMON SENSE" Aerator is the drum and paddle TURBO-RATOR™ assembly. For every cubic foot of material turned, the TURBO-RATOR™ moves 15 cubic feet of air. This ability is critical to the complete success of any composting process. Only with the **New Frontier** is this action accomplished!



FOUR WHEEL DRIVE

Getting stuck is hard on equipment, frustrating to operators and loses valuable production time.

Only the "COMMON SENSE" machine provides positive four-wheel drive, at the flip of a switch.



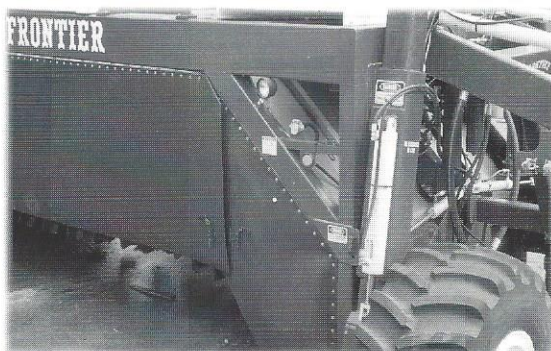
NO OTHER WINDROW TURNER HAS OR INNOVATIONS OF THE NEW FRO

SENSE" MACHINE



CLEAR VIEW CAB

Only with the "COMMON SENSE" machine do you get an operator's cab that moves forward to provide a clear view to the front and each side. Full length side windows allow the operator unsurpassed visibility.



LOAD TRANSFER FRAME

Frame strength and design integrity that is unequalled in the industry. The main frame's 4" x 12" x .25" steel tube is configured like a bridge to transfer loads over the entire structure.

ODOR CONTROL

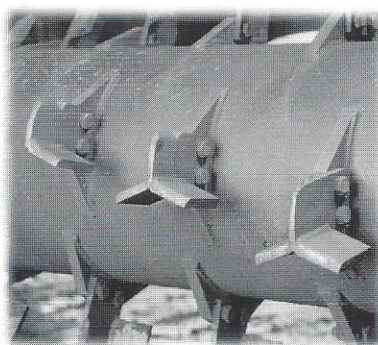
- The only windrow turner available that completely turns and aerates *all* the material in one pass.
- Only with the **New Frontier** do you get:

100% MIXING

100% AERATION

0% COMPACTING

TOTAL POROSITY



TURBO-RATOR™ PADDLES

This patented feature has established the **New Frontier** as the premier machine in the composting industry. The unique action of the TURBO-RATOR™ paddles provides **100% aeration**, plus 100% turning, and 0% compacting **ALL** essential to achieve faster compost production while controlling odors. Only the **New Frontier "COMMON SENSE"** machine produces all three of these critical functions.

THE RUGGEDNESS, TURBO ACTION
FRONTIER "COMMON SENSE" MACHINE.

**COMPLETE FRESH
AIR EXCHANGE**

+

**THOROUGH
MIXING**

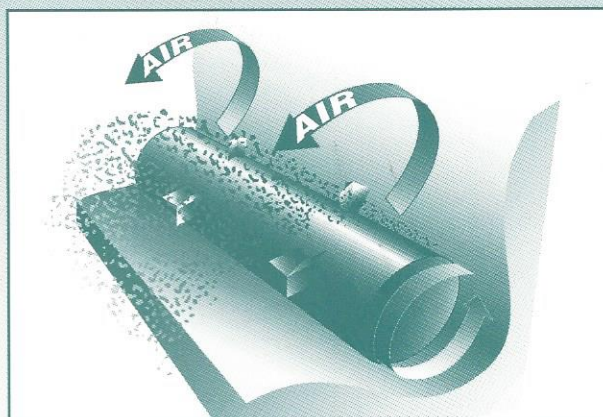
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**ODOR CONTROL
FOR YARD WASTE**

A new dimension in MIXING

- Mixes Fresh air into the tiniest space...CO₂ is purged and O₂ takes it's place.
- Creates two dynamic counter rotating vortices which thoroughly mix nutrients, air, water and microbes for increased microbial activity.
- Eliminates anaerobic clumps with their accompanying odors!
- Excellent production rates.
- No more "under cutting" the windrow... it's all turned!

Double Vortex Action



NEW FRONTIER SPECIFICATIONS

	FM 14	FM 16	FM 18	FM 20	FM 208	FM 228
MACHINE						
WIDTH	21'	23' 2"	25' 2"	27' 2"	27' 2"	29' 2"
DEPTH	12' 2"	12' 2"	12' 2"	12' 2"	14' 0"	14' 0"
HEIGHT	11' 10"	12' 3"	12' 3"	12' 3"	13' 10"	13' 10"
TUNNEL						
WIDTH	14'	16'	18'	20'	20'	22'
HEIGHT	5' 6" TO 7' 6"	6' 3" TO 8' 3"	6' 3" TO 8' 3"	6' 3" TO 8' 3"	8' 0" TO 10' 0"	8' 0" TO 10' 0"
ENGINE						
	240 / 300 HP	300 / 360 HP	360 / 460 HP	460 / 525 HP	525 / 600 HP	600 HP
DRUM						
DRIVE	HYDRAULIC (TWO)	HYDRAULIC (TWO)	HYDRAULIC (TWO)	HYDRAULIC (TWO)	HYDRAULIC (TWO)	HYDRAULIC (TWO)
LENGTH	13' 9"	15' 9"	17' 9"	19' 3"	19' 9"	21' 9"
DIAMETER	16" - 30" OVERALL	20" - 34" OVERALL	20" - 34" OVERALL	20" - 34" OVERALL	30" - 44" OVERALL	30" - 44" OVERALL
WHEEL DRIVE						
	automatic hyd. w/planetary	automatic hyd. w/planetary	automatic hyd. w/planetary	automatic hyd. w/planetary	automatic hyd. w/planetary	automatic hyd. w/planetary
TIRES						
DRIVE	42" x 25" x 20"	42" x 25" x 20"	42" x 25" x 20"	42" x 25" x 20"	48" x 25" x 20"	48" x 25" x 20"
CASTOR	16.5" x 16.1"	16.5" x 16.1"	16.5" x 16.1"	16.5" x 16.1"	16.5" x 16.1"	16.5" x 16.1"
CAB						
	slides, a/c filtered, safety glass	slides, a/c filtered, safety glass	slides, a/c filtered, safety glass	slides, a/c filtered, safety glass	slides, a/c filtered, safety glass	slides, a/c filtered, safety glass
TANKS						
FUEL	120 GALS	120 GALS	200 GALS	200 GALS	240 GALS	240 GALS
HYDRAULIC	75 GALS (STAINLESS)	75 GALS (STAINLESS)	75 GALS (STAINLESS)	75 GALS (STAINLESS)	75 GALS (STAINLESS)	75 GALS (STAINLESS)
WARRANTY						
ENGINE	2 YR. 2000 HR.	2 YR. 2000 HR.	2 YR. 2000 HR.	2 YR. 2000 HR.	2 YR. 2000 HR.	2 YR. 2000 HR.
MACHINE	1 YR. 1000 HR.	1 YR. 1000 HR.	1 YR. 1000 HR.	1 YR. 1000 HR.	1 YR. 1000 HR.	1 YR. 1000 HR.

INSTRUMENTS: Oil pressure and Water temp. gauge with Audio/visual warnings. Tachometer w/hour meter, volt and fuel gauge. Hydraulic oil temp. gauge, Reversing fan switch. Turbo-Chamber position indicator, Low Hydraulic oil, and Engine shut-off.

SAFETY: Outside lights, front, rear and top deck, backup alarms, horn, brakes, fire extinguisher.

Options: Four Wheel Drive, Self Trailing, Increased HP as shown, Stainless Steel Liner, Auto Reverse Fan, Cold Start, Flotation Tires, Watering.

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DEALER: