



# Portable Wind Machine

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Model 1300

*Orchard-Rite*



# When one cold night can ruin an entire year's hard work...

## It's best to play it safe.

Since 1967, we have crafted our wind machines with precision technology. We take pride in the details, which is why growers from around the world trust our name. We design machinery to match your needs and are there to help throughout the process. At Orchard-Rite, we are dedicated to serving you and your crops by providing the tools and knowledge to stave off those frosty nights.

## **The Orchard-Rite® Portable Wind Machine enables growers to take advantage of mobile crop protection.**

- Fits Down a 7' (2.13 m) Row
- Protect a Variety of Crops During Different Seasons
- Easily Adjust the Protection Pattern to Focus on Trouble Spots
- Provide Temporary Protection for Leased Fields
- Can be Raised and Lowered by Only One Person
- Extended Warranty Available\*

### Gearboxes and FLEXOR® Steel Input Shaft

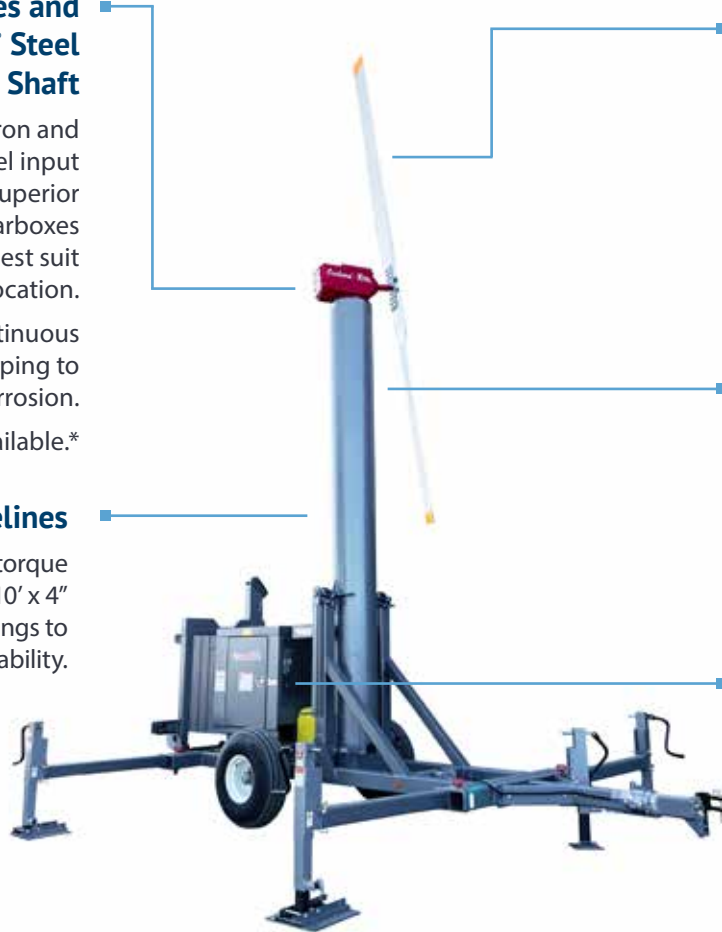
Built with durable ductile iron and designed with a FLEXOR® steel input shaft, which is considered to be superior to common alloy steel, our gearboxes come with multiple options to best suit the topography of any location.

The gear lube bath provides continuous lubrication of the gears helping to prevent wear and corrosion.

Extended warranty available.\*

### Drivelines

Three drivelines create maximum torque and rotation transfer. Drivelines are 10' x 4" (3.048m) with pillow block carrier bearings to allow unhindered movement and durability.



### Solid Fiberglass Blade

Designed with the latest technology and precision-built for frost control. Strongly reinforced at stress points for added safety and reliability. No wind exclusion in the warranty. Extended warranty available.\*

### Tower

The heaviest tower in the industry with a 5/16" (7.94mm) walled tube. A two-part paint system maximizes corrosion resistance.

Hot-dipped galvanizing available for environments prone to corrosion.

### Engine

Certified to meet EPA emission standards. Powder coating provides resistance to scratches, chipping, and the elements.

\*Pursuant to the terms and conditions of the Orchard-Rite extended warranty agreement.

## Optional Accessories:

### Vortex™ Anemometer



- Monitors wind speeds & will shut down machines when speeds are too high or winter heating conditions occur
- Noise reduction
- Lowers risk of costly repairs

### Solar Panel



- Keeps the engine battery properly charged
- Ensures the battery is ready to go after long periods of disuse
- Lowers risk of downtime during frost emergencies

## Auto-Start™

Save fuel.  
Save labor.



Designed in-house, Auto-Start™ technology provides automated protection against frost. Created with settable start and stop temperatures, you control the temperature at which the machine turns on and shuts down. Our Auto-Start™ accessory is accurate to +/- 0.5°F (0.3°C), providing you the peace of mind that your crops will continue to thrive. This accessory is an option for all new Orchard-Rite wind machines and can be retrofitted to most other makes and models.

Our custom designed Auto-Start™ allows you to set the following:

- Start Temperature
- Stop Temperature
- Warm Up Duration
- Engine RPM
- Cool Down Duration
- Wind Speed Shutdown

# Lighting & Break Safety Package:

These items can be purchased as an additional package and are required in the EU.



EU portable wind machine required safety taillights.



EU portable wind machine required blade light for transport.



EU portable wind machine is equipped with electric, over hydraulic disc brakes for safe towing and hand-held brake controller.



The EU portable wind machine is equipped with a break away system that will activate the brakes should the trailer become uncoupled during towing.





## Ford® V8

Quick-starting, low-cost fuels save you time and money

EPA Certified - Liquid/Vapor Propane and Natural Gas

Oil Pressure, Water Temperature & Over-Rev Protection

EPA Certified Catalytic Converter Muffler

Electronic Controls

Fuel Efficient: 14 GPH (53 LPH) LPG

1 Year Warranty (Engine Only)

Shear Pin Coupler

- Protects Drivetrain Components

Powder Coated Hood & Frame

- Increased Protection from Outdoor Elements



## CAT® 4.4

Perfect balance of durability, fuel efficiency, and performance

TIER III Turbo-Charged Diesel

Oil Pressure, Water Temperature & Over-Rev Protection

Electronic Controls

Fuel Efficient: 5.9 GPH (22.3 LPH)

3 Year/1500 Hour Warranty (Engine Only)

Shear Pin Coupler

- Protects Drivetrain Components

Powder Coated Hood & Frame

- Increased Protection from Outdoor Elements

ALSO AVAILABLE:

- CAT 3.4 TIER III, Turbo-Charged Diesel

- Fuel Efficient: 5 GPH (19 LPG)



**1300 Model**

Tower - Height to Fan-Shaft	<b>20' 10" (6.4m)</b>
Tower - Two Part Paint System	✓
Shear Pin Coupler	✓
Blade - Length/Diameter	<b>18' 10" (5.74m)</b>
Blade - Solid Composite Fiberglass	✓
Blade - Extended Warranty Available*	✓
Blade - No Wind Exclusion	✓
Blade - Pitch	<b>8 degrees</b>
Blade - Quantity	<b>2</b>
Gearboxes - Ductile Iron	<b>65,00 PSI (448MPA)</b>
Gearboxes - Extended Warranty Available*	✓
Gearboxes - FLEXOR® Steel Input Shaft	✓
Gearboxes - Lubrication - Oil Bath	✓



*\*Pursuant to the terms and conditions of the Orchard-Rite extended warranty agreement.*



## Exceptional Service & Commitment to You

For over 50 years we have been providing growers with the best experiences. We ensure this by partnering with factory-trained, authorized dealers and service providers. Our team is dedicated to serving you by listening to your needs, helping you find the right equipment, partnering you with superior service providers, and establishing a lifelong commitment to your business. We invite you to discover the Orchard-Rite Pledge - uncompromising quality and unparalleled service before, during, and after the sale.



# Orchard-Rite

Pure Power. Pure Performance. Pure Orchard-Rite.

## Our Service Providers

Responsive and dependable, our service providers deliver exceptional knowledge and service and are located worldwide. They help you pick the right product at the right price and provide full-service at a moment's notice. Building lasting relationships is our business. You can depend on Orchard-Rite service providers!



New & Used



Parts & Service



(07) 4151 2381

4 Toonburra Street Bundaberg QLD 4670

[www.formattmachinery.com.au](http://www.formattmachinery.com.au)