

POWER PROFILE: ORCHARD-RITE LTD INC.

ATMOSPHERIC TRANSFORMATION



Orchard-Rite

Pure Power. Pure Performance. Pure Orchard-Rite.

LOCATION:

Union Gap, Washington

SCOPE OF ENGINE USE:

Cat® C4.4 US EPA Tier 3
Industrial Engine

Cat C7.1 US EPA Tier 3
Industrial Engine

CAT DEALER:

N C Power Systems

www.orchard-rite.com

THROWING CAUTION TO THE WIND

Winter freezes and spring frosts threaten crops around the world. But thanks to some creative thinking by experts at Orchard-Rite, professional growers can harness the power of wind to combat less-than-ideal weather conditions.

As a leader in the orchard equipment industry, Orchard-Rite was one of the first companies to engineer and manufacture wind machines, starting more than five decades ago in the mid '60's. These wind machines are placed strategically in orchards and fields to maintain warm air temperatures by working with nature to pull warmer air down from the atmosphere and closer to crops. Just like your ceiling fan when you set it to "winter mode." And while the concept is simple, the effects are profound. That's because Orchard-Rite knows that the right equipment can make the difference between a profitable yield or a painful loss.

With an ongoing focus on advancements, Orchard-Rite has developed a number of wind-machine innovations including Auto-Start™ technology, which automates wind-machine operation. The manufacturer also produces several types of wind machines: two-blade stationary models for continuous operation, a portable wind machine for crop protection on the go, an inconspicuous laydown model that sits low to the ground, and a low-noise tri-blade model for areas requiring quieter operation.

AIR POWER PERFECTED

Orchard-Rite wind machines are used to protect all types of stone-fruit trees, nut trees, wine grapes, table grapes and various row crops. Most of the machines sold globally are stationary models powered by a Cat C7.1 industrial engine.

The C7.1 boasts one of Caterpillar's most modular engine designs to date, features an engine-mounted aftertreatment and meets U.S. EPA Tier 3 emissions standards.

The Orchard-Rite tri-blade stationary model is powered by a more compact Cat C4.4 industrial engine, which meets U.S. EPA Tier 3 emissions standards. Redesigned with a mounted aftertreatment and now delivering 15% more power, the C4.4 is the ultimate solution for downsizing equipment. This engine also helps end-users save big by reducing lifecycle costs, thanks to efficient fuel and DEF consumption.

For the ultimate in automation, the Cat engines in Orchard-Rite wind machines can be paired with ORCell® monitoring technology. This allows growers to monitor and control wind machines remotely and react quickly without having to be physically in the field.

EASY, BREEZY DEALER SUPPORT

Over the years, their Cat dealer, N C Power Systems, has provided expertise, specialty programming and onsite support to Orchard-Rite to make each engineering process go smoothly.

N C Power Systems also has helped the company's design engineers access the massive wealth of technical engine information available from Caterpillar. These experts have worked closely with Orchard-Rite, configuring ways to fit Cat engines in the company's wind-machine designs.

Tim Price, Orchard-Rite Division Manager, says his company appreciates the engine configurations, quality and ease of maintenance – and Caterpillar's global presence. "Caterpillar has name recognition and brings a lot to the table. But at the end of the day, it's all about service. Cat dealers are everywhere, they work really well together and they're all customer focused. You know they are going to be there tomorrow to support the product for your customer."



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LET'S DO THE WORK.™