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### AERA-VATOR™ FOR GRASSHOPPER FRONTMOUNT™ MOWERS

The PTO-driven AERA-vator™ aerates and loosens compacted soil in one-quarter the time using one-quarter the labor of walk-behind units, eliminating unsightly cores and increasing water filtration in the root zone by up to four times.



Vibrating tines deep-fracture hard, dry soil combinations to create a more resilient surface on playing fields and improve permeability and drainage.

- Tines fracture soil to relieve compaction between holes both sideways and downward.
- Additional pore space under surface provides enhanced root growth. Variable depth control ensures aeration at all levels of root zone.
- Effective aeration with minimal surface disruption leaves no cores to clean up, and turf is ready for use immediately.
- No slicing or cutting action preserves delicate turf grass roots and stimulates future growth.

## Aerator to the stars.

In Hollywood, there's no business like show business. For Mike Flaherty, owner of Lawnscape in Montclair, Calif., there is no business like aeration business.

His passion for his work is reflected in the quality of the turf areas Lawnscape maintains in Los Angeles County, from public properties to high-profile estates in Beverly Hills. Flaherty contracts approximately 1,000 jobs each year, and his client list includes Oscar winners, fashion designers and Disney's California headquarters.

"Aeration is critical, especially in California where there's not much topsoil," Flaherty says. "You might have about 1 inch, if you're lucky."

When he started with Lawnscape in the '90s, Flaherty rented a tractor and pull-behind aerator, but he had to make \$2,000 a day to cover equipment expense and it took an hour to unload and load them again afterward.

He then tried using walk-behind aerators. He could aerate a football field in four hours using two walk-behinds, but the cores left behind took weeks to disintegrate.

Now, with his Model 620T power unit and AERA-vator™, Flaherty has solved the problems presented by pull- and walk-behind aerators. Even with the small Grasshopper and the 40-inch AERA-vator™, he can aerate an entire football field in three hours by himself – reducing labor costs by 63 percent. The Grasshopper and AERA-vator™ are also much lighter on turf and don't leave behind cores. Flaherty says he can aerate whenever it's needed, even during the playing season. As a result, he has been able to reduce his costs and pass along the savings without losing his margin.

"It's just a winning combination for everyone," he says.



Soil needs to be loose for grass to grow, so aeration is necessary, especially where there's not much topsoil.

Mike Flaherty, Lawnscape  
Montclair, CA



To read more about Flaherty, Lawnscape and AERA-vator™, visit [grasshoppermower.com/flaherty](http://grasshoppermower.com/flaherty).



To read more about Burley, the San Lorenzo Valley USD and AERA-vator™, visit [grasshoppermower.com/SanLorenzo](http://grasshoppermower.com/SanLorenzo).

## Making the grade in San Lorenzo Valley.

When the San Lorenzo Valley Unified School District in Felton, Calif., purchased its first Grasshopper in 2009, the district was looking to improve efficiency and reduce costs. "This was going to be a new experience for us," says Steve Burley, director of maintenance, operations and transportation.

Burley says he was especially drawn to the potential benefits of Grasshopper's one-machine, multiple-tasks system with diesel fuel efficiency. So, the district purchased a FrontMount™ 930D with a PowerVac™ Collection System and an AERA-vator™ – all of which are transported in an enclosed trailer among three elementary schools as needed – and Burley has been pleased with the decision.

"We used to have to mow all the way down a row, lift the deck and turn around, or else we'd tear up the turf," Burley says. "But the Grasshopper can maneuver so much easier without raising the deck."

In addition to the improved quality and efficiency of mowing, Burley says that the AERA-vator™ has been a valuable addition to the operation. Before the Grasshopper and AERA-vator™, he would use a large tractor with a pull-behind core aerator.

"Being a pull-behind, it couldn't get into all the areas we needed to get to, and it left plugs, so there was a bit of a safety concern with all the kids on the fields," Burley says.

He says the AERA-vator™ is completely different. With the front-mounted design and the zero-turn maneuverability, they're able to get into spaces they couldn't previously reach, there are no plugs to worry about afterward and the job is completed much faster.

"We have been able to replace several pieces of stand-alone equipment with just one multipurpose machine. It is just a better piece of equipment."



We have been able to replace several pieces of stand-alone equipment with just one multipurpose machine.

Steve Burley,  
San Lorenzo Valley USD  
Felton, CA



## Up, up and away.

HighLift™ 15B PowerVac™ lets you put clippings where you want them.

Grasshopper's exclusive HighLift™ 15B collector easily raises and extends the collector behind the power unit, so you can empty the hopper from the street or curb onto a truck bed or over trailer sidewalls without leaving the operator's seat.

Available for all 700 and 900 Series FrontMount™ power units, the 15-cu.-ft. HighLift™ 15B offers infinitely variable emptying positions up to a maximum clearance height of 72 inches and extends up to 34 inches behind the power unit, controlled by a joystick mounted to the right steering lever.



# Keeping Kingsley Field buttoned up and good to go.

With a commitment to excellence unrivaled by other commands, the civilian-soldier pilots and instructors stationed with the Oregon Air National Guard's 173rd Fighter Wing at Kingsley Field in Klamath Falls, Ore., receive top-notch air-to-air combat training on the F-15 Eagle. But the pride of Kingsley Field extends far beyond textbooks and training missions.

Monte Hill, the lead worker and supervisor of the roads and grounds crew, approaches regular maintenance of the airfield and its several administrative, dormitory, service and industrial buildings with the same zeal and passion as the pilots and instructors approach theirs.

"I'm responsible for all general maintenance at Kingsley Field, and I love my job," Hill says. "My main concern is productivity. We have to have equipment that gets the job done, and gets it done quickly without hassles," he says.

As a result, Kingsley Field made the switch to Grasshopper in 2007 with two 428D diesel models equipped with 72-inch decks. They added three 430D diesel models with 72-inch decks and one 620T gasoline model with a 48-inch deck in 2009.

"We needed mowers that were dependable, durable and easy to maintain. We found that Grasshopper was the best fit for our needs," Hill says.

And his crew has had better luck with the Grasshopper diesel mowers than with comparable gas models because of their ability to stand up to long hours of operation and consistent use. "We use our big diesels for all the heavy mowing," Hill says.

Usually, two members of the crew are out mowing the grounds eight hours a day, five days a week, from April through October; they can mow the entire grounds three times in two weeks. For Hill, the fact that the Grasshoppers hold up so well under such heavy operation each day is testament to their superior construction, durability and reliability.

"We've had other mowers that just couldn't cut it, the grass or otherwise," he says.

We have to have equipment that gets the job done, and gets it done quickly without hassles.

Monte Hill, Kingsley Field  
Klamath Falls, OR

To read more about Hill and the grounds crew at Kingsley Field, visit [grasshoppermower.com/kingsley](http://grasshoppermower.com/kingsley).

## CLEAN DIESEL: THE FACTS

- Clean Diesel can meet your Tier 4 Final emissions goals while providing convenient, cost-effective power and performance.
- Save up to 900 gallons of fuel over 1,000 hours of use, and reduce cost of ownership by nearly \$6,000 over three years by selecting a Grasshopper MaxTorque™ diesel model.
- Cleaner fuel processing and engine technologies have put Clean Diesel on par with or superior to other commercially viable fuels today.
- MaxTorque™ diesel models can complete demanding mowing jobs up to 50% faster than like-powered LP models.
- Diesel fuel is high on power – over 50% more power than LP per gallon equivalent.

Get more Clean Diesel facts at [grasshopperdiesel.com](http://grasshopperdiesel.com).






## HIGH FUEL PRICES GOT YOU DOWN?

**FUEL EXPENSE & EMISSIONS CALCULATOR** For Commercial Mowing Equipment

Select Your Country ☒ U.S. ☐ Canada

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1. ENTER CURRENT FUEL PRICES 2. YOUR NUMBER OF MOWERS 3. HOURS USED PER EACH MACHINE 4. CALCULATE

LOCAL FUEL RATES* (Cost per gallon):			NUMBER OF MOWERS	ANNUAL MOWING HOURS (Per Machine)
				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
GASOLINE	DIESEL	PROPANE		

**CALCULATE MY FUEL EXPENSE >>**

\* Default prices are based on national averages as of 08/29/2014. Don't forget that tax-exempt non-road diesel can be used in your clean diesel mower. Multiply retail diesel by 0.88 for the average price of non-road diesel.  
\*\* Weekly propane prices are only collected by the US Energy Information Administration during the heating season (October through March). Visit [www.eia.gov](http://www.eia.gov) for more information.

Use our exclusive fuel calculator to find out how much you can save by switching to diesel power.

Log on to [grasshopperfuelsavings.com](http://grasshopperfuelsavings.com)



The Grasshopper Company • 105 Old U.S. Highway 81  
P.O. Box 637 • Moundridge, KS • 67107 U.S.A.  
T: **620-345-8621**  
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