

BUFFALO TURBINE FOR PUBLIC HEALTH

Turbine powered air blast equipment for wide area larvicide applications

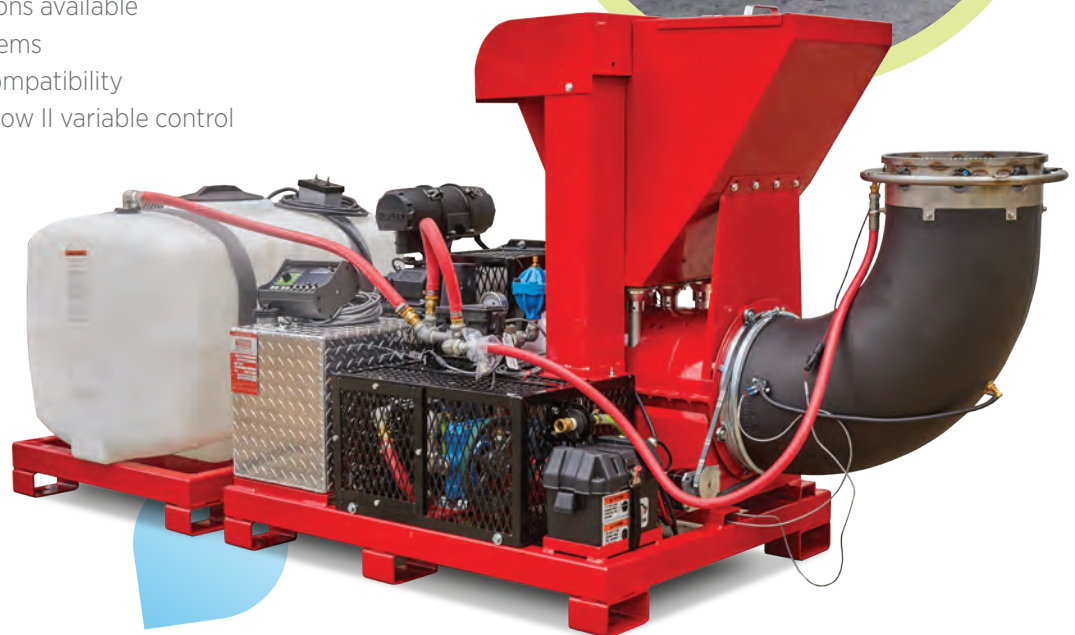
For more than 70 years, Buffalo Turbine has designed and built powerful air blast equipment that is now available for public health through a joint development agreement with Clarke.

The Buffalo Turbine was first used in public health for wide-area larval control of the container-breeding mosquitoes that were vectoring Zika across Miami-Dade County in 2016. Since then, this application method has grown in popularity for mosquito control entities across the country. Buffalo Turbine applications have been proven effective for larval control in a wide range of habitats, including: urban and suburban residential areas; commercial districts; construction, work and storage sites; rural areas, pasture and open fields; and other areas with transient water, such as woodland pools, ditches and marshy areas.

OPTIMAL FLEXIBILITY

The Buffalo Turbine can be built to meet the requirements of any program:

- » Liquid or granular configurations available
- » Truck or trailer mounting systems
- » Micronair or TeeJet® nozzle compatibility
- » Comes standard with SmartFlow II variable control and data capture system



EQUIPMENT SPECS

Combining Buffalo Turbine's military spec engineering and durability with Clarke's operational expertise in public health makes the Buffalo Turbine the most powerful and reliable air blast machine for liquid or granular larvicide applications.

Durable

- » Weight: 1,100 lbs. with hopper, 800 without
- » Length: 9 ft.
- » Width: 43 in.
- » Height: 60 in. w/ hopper, 40 in. w/o
- » Formulation tank: 100 gal. poly tank with 8 inch fill inlet
- » Gas tank: 12 gal.
- » Battery: 12-volt
- » Engine: Kohler's EFI Engine ECH 749-3060, gas w/ electric start



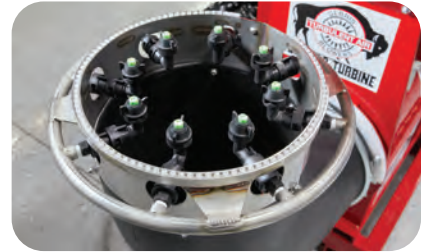
Optional 4 cu ft. hopper for granular products; electronic flow control



Optional Micronair nozzle conversion



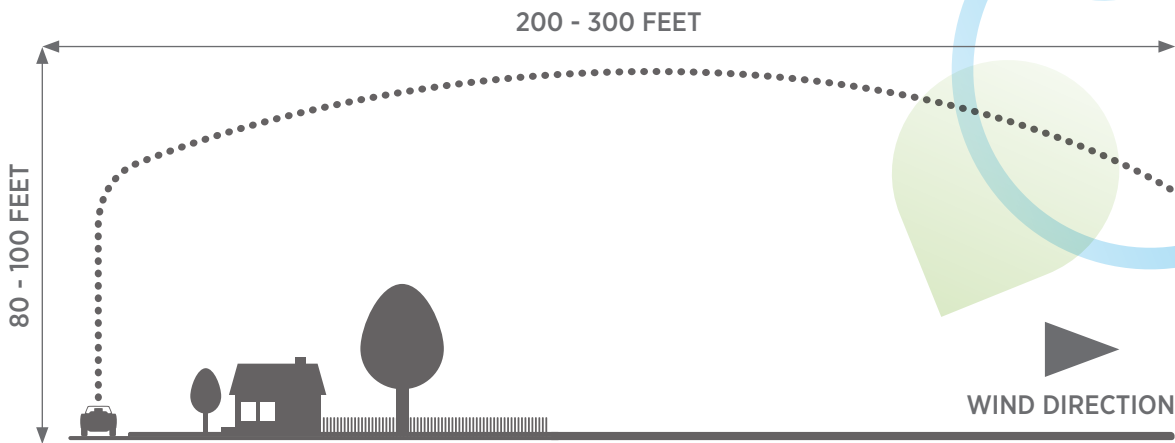
Clarke SmartFlow® II in-cab control and data capture system is standard



Standard TeeJet® nozzle set-up on LED light ring

Powerful

- » Produces wind speeds of up to 120 mph
- » Vertical spray reach of 80-100 feet
- » Horizontal reach of 450-600 feet in open field habitats
- » Effective swath 200-300 feet



Buffalo Turbine Liquid Application Performance



Making communities around the world more livable, safe and comfortable.

GLOBAL HEADQUARTERS

675 Sidwell Court, Saint Charles, IL 60174 USA

Phone: 1.630.894.2000 Fax: 630.443.3070

www.clarke.com

© 2020 Clarke

The World Needs



Mosquito Control

