



UNITED STATES DEPARTMENT OF DEFENSE

HUMANITARIAN DEMINING R&D PROGRAM

Wolverine

A small, remote-controlled platform with vegetation removal and ground engaging implements

The Wolverine is a small, lightweight remote controlled brush cutter designed to clear vegetation and perform quality assurance behind manual detection teams. The wolverine has a 26 horsepower diesel engine, a brush cutter and tiller, can cut vegetation up to 5.25 cm in diameter, and has the potential to clear 10,000 square meters a day. The vehicle is controlled by a commercial-off-the-shelf remote control system. While designed primarily as a vegetation clearance tool, the Wolverine's attachment interface enables the use of supplementary implements. Additions to the Wolverine's suite of tools includes a 120 cm wide ground engaging tiller capable of reaching depths of 15 cm or more and a ground engaging power harrow for AP mine clearance.

STATUS

The Wolverine began an operational field evaluation with the Thailand Mine Action Center in 2008 and has helped to clear 460,000 sq. meters of vegetation ahead of manual deminers.

The Wolverine tiller completed an operational field evaluation (OFE) with Mines Advisory Group in Cambodia in 2013, and is now undergoing an OFE with the Thailand Mine Action Center.



Cutting-Edge Solutions
DEMINING TECH

AREA PREPARATION



FEATURES

- 26 HP diesel engine
- Remote operation reduces risk to operator
- Low ground pressure
- Light weight and small size for ease of transport
- Low fuel consumption
- Cutting blades break away and are easily replaced
- Hydraulically powered implements

APPLICATIONS

- Light to medium vegetation removal where remote operation and ease of transport are desired
- Low center of gravity, ideal for sloped areas
- Ground engaging tools for area reduction or quality assurance tasks

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Wolverine Ground Engaging Tiller in Thailand

SPECIFICATIONS

Length	2.5 m / 98 in
Width	1.5 m / 58 in
Height	1.1 m / 44 in
Weight	816 kg / 1800 lb
Cutting Width	1.2 m / 48 in
Cutting Height	10-23 cm / 4-9 in adjustable
Cutting Capacity	10 cm / 4 in diameter
Travel Speed	5.4kph / 3 mph
Ground Pressure	20.8 kPa / 3.07 psi theoretical
Fuel Capacity	27.7 liters / 7.5 gal
Clearance Rate	2000 m ² /hr / 21,500 ft ² /hr target

