



# Glyphosate Use



03/18/2025

# What is Visionmax?

Visionmax is a glyphosate product designed specifically for non-cropland uses such as: Industrial, rights-of-way, public areas, and Forestry.

- ☐ It contains 540g of a.i./L present as potassium salt (Group 9)
- ☐ Product comes with a powerful surfactant package blended in.
- ☐ PCP# 27736
- ☐ Available in 2x10L cases, 115L drums or 450/800L totes.
- ☐ Same formulation as Roundup WeatherPRO and Roundup WeatherMAX
- ☐ An effective glyphosate option registered for Phragmites



# How Does Visionmax Work in Plants?

- ❑ Mode of Action (Group 9)
- ❑ Plants need to be active and growing.
- ❑ Absorbed by the leaves and translocated throughout the plant.
- ❑ Non-selective and has no residual activity.
- ❑ Visual symptoms include gradual wilting and yellowing, visible at 2-4 days for annuals and 7-10 days for perennials.
- ❑ Inhibits the synthesis of an enzyme pathway in the phosphate cycle of the plant.
  - ❑ This pathway exists in plants, not animals.

# Visionmax Environmental Info

## ☐ Toxicology

- ☐ Tightly binds to soil particles.
- ☐ Has a half life of less then 45 days (non-persistent)
- ☐ Virtually no risk to groundwater.
- ☐ Does not bioaccumulate.
- ☐ Little risk to humans and wildlife.

# Benefits of Visionmax?

- ☐ Bayer provides field and technical support.
- ☐ Expanded label approved by the PMRA.
- ☐ No crop applications.
- ☐ Trusted formulation with consistent results.
- ☐ Improved label for phramites application and other non-crop uses.

# Rates

- ❑ Annual grasses and broadleaf's: 1.5-2.33L/Ha
- ❑ Perennial Weeds: 1.67-8L/Ha
- ❑ Brush and Trees: 2-4L/Ha
- ❑ Phragmites: 2-8L/Ha (Boom/Boomless), 0.67-1.34% of solution (Handheld)
- ❑ Rainfall occurring within 60 minutes of treatment may result in reduced weed control. Heavy rainfall immediately after application may wash the chemical off the foliage and a repeat treatment may be required.
- ❑ For best results, spray coverage should be uniform and complete. DO not spray weed foliage to the point of run-off.
- ❑ For higher volumes (150L + per Ha), an approved surfactant should be added at 0.5L per 100L of clean water (0.5% v/v)



# Role of the Surfactant

- ☐ Required to get the herbicide into the target vegetation.
- ☐ Assists wetting of the leaf.
- ☐ Improves contact between spray droplet and leaf surface.
- ☐ Assists with penetration of the waxy outer layer of the leaf.
- ☐ Improves uptake into leaf tissue.
- ☐ Improves rain fastness (30min).

## THE EFFECT OF SURFACTANTS



Untreated



Herbicide Only



Herbicide & Surfactant

# Phragmites Application

- ❑ DO NOT TREAT PLANTS OVER OPEN WATER. VisionMAX Silviculture Herbicide is not registered for direct application to bodies of water.
- ❑ Treat in late summer or early fall for best results
- ❑ Visual control symptoms will be slow to develop. Depending on density of the stands being treated, multiple applications may be required to achieve proper coverage.
- ❑ Dense stands may cause difficulty in achieving uniform coverage. Multiple treatments in subsequent years may be required.
- ❑ Long-term control strategies should include measures to control both established plants and seedlings. Sprayed areas should be monitored to determine the appropriate follow-up.
- ❑ Early detection and treatment of second and third generation seedlings is important to prevent re-infestation.



# Application Methods for Phragmites

- ❑ Ground application (Industrial, Military Bases, Rights-of-way, recreational and Public Area)
- ❑ Aerial application (Industrial, Rights-of-way, and Military Bases)
- ❑ Foliar application – Spray coverage should be uniform and complete. DO not spray to the point of run off. DO not allow drifts to contact desirable vegetation.
- ❑ Equipment (Boom/Boomless Sprayers, Backpack Sprayers).
  - ❑ High volume foliar – hose and handgun
  - ❑ Low volume foliar – backpacks



# PPE for Visionmax

- ❑ Wear a long-sleeved shirt and long-sleeve pants when mixing, loading, application, clean-up and repair. In addition, wear goggles or a face shield, along with chemical resistant gloves when mixing, loading, clean-up and repair.
- ❑ The recommended re-entry interval is 12 hours after application for all **agricultural uses**. If workers must re-enter before this time has elapsed, they should do so while wearing long-sleeved clothing and chemical resistant gloves. Industrial use recommends no entry until dry.





# Marsh Master Showcase

- Flootation with marine-grade aluminum body
- Multi purpose tool carrier
- Durable rubber track system
- 74 HP Kohler KDI 2504TCR diesel engine
- No DEF, DPF or REGEN required











# Hose and Handgun set up

## IS Turbo 400 Spray Gun:

- Includes spring loaded adjustable spray lever with variable spray control, from mist to spot spraying and trigger-locking device and shroud atomiser, ensuring a very fine mist with excellent leaf coverage.



## QR400 Intelli-sprayer:

- Tank drain at the front for easy drainage
- Available in single or twin reel layout with up to 325 ft of hose
- Tank has forklift recess for easy off loading/install
- Honda GX200 6.5HP motor
- Bertolini triple diaphragm pump (40L/min) with adjustable pressure.



# Creates Road Hazards



Phragmites thrives in ditches and can block sightlines for drivers and pedestrians. Depending how dense the stands are this can also cause flooding onto the road as well.



# It's a fire hazard!

In 2012, Great Lakes Golf Center in Auburn Hills, Michigan suffered property damage to their trees and building infrastructure when Phragmites, which surrounded their property, caught fire. It only took 2 and a half hours for the fire to spread throughout the property and burn nearly 160 acres worth of phrag.





# Damaging to Native Ecosystems

- Phragmites release toxins through their roots which choke out native plants and make it difficult for anything else to grow
- Phragmites grow in dense stands. This ends up displacing wildlife: frogs, turtles, fish, etc.





# Thanks!

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**Arsenal Powerline 2X9.50L**

SKU: 785933



**Sold as:** Case

**Manufacturer:** BASF



**Habitat Aqua 2X9.5L**

SKU: 846124



**Sold as:** Case

**Manufacturer:** BASF



**VisionMax 2X10L**

SKU: 780208



**Sold as:** Case

**Manufacturer:** Bayer CropScience