

FACTS ON BARE GROUND CONTROL



Vegetation control in and around industrial sites, oil and gas facilities, rail lines and power and hydro facilities is essential to ensuring safe operation and compliance with regulations. Total vegetation control ensures reliable power, safe site access for service and maintenance, fire prevention and invasive plant management.

MILESTONE™

Milestone is an excellent broadleaf weed control herbicide and tank mix alternative with Vantage™ XRT or Arsenal® for total vegetation control. Milestone broadens the spectrum of control with low volatility and is cost competitive. Milestone has a very low use rate compared to alternatives, resulting in less storage, transportation and handling of product in the field.

PRODUCT FEATURES

- Excellent, broad spectrum, broadleaf weed control
- Season long control of broadleaf weeds
- Canada's only reduced risk herbicide
- Favourable environmental, human health and safety profile
- Low use rates
- Tank mix flexibility
- Effective alternative to 2,4-D and Dicamba

WEED ACTIVITY

When applied at 0.5 L/ha Milestone controls the following weeds:

- | | |
|----------------------------------|------------------------------------|
| • Absinth wormwood | • Plumeless sowthistle |
| • Bitter sneezeweed | • Horsenettle |
| • Bull thistle | • Prickly lettuce |
| • Canada fleabane | • Musk/nodding thistle |
| • Canadian goldenrod* | • Oxeye daisy ₂ |
| • Canada thistle | • Russian knapweed ₆ |
| • Common broomweed | • Scentless chamomile |
| • Common ragweed | • Spotted knapweed |
| • Common yarrow* | • Sulphur cinquefoil ₅ |
| • Cudweed | • Tall buttercup |
| • Curly dock | • Tall ironweed |
| • Dandelion* | • Tansy ragwort |
| • Diffuse knapweed* ₃ | • Tropic croton |
| • Fuller's teasel | • Tropical soda apple ₄ |
| • Hairy buttercup | • Yellow star thistle ₁ |
| • Perennial sowthistle | • Western ragweed |

*Suppression

1 Yellow Star thistle: Apply to plants at the rosette through to bolting growth stage. 2 Oxeye daisy: Apply to plants in the prebud stages of development. 3 Diffuse knapweed: Apply to plants in the bolting stage of development. 4 Tropical soda croton: apply to any growth stage but application by flowering will reduce seed production potential. 5 Sulphur cinquefoil: apply to plants in the prebud stage of development. 6 Russian knapweed: apply to plants in the spring or summer that are in the bud to flowering stage.

CLEARVIEW™

ClearView herbicide is the new standard in broadleaf weed control offering excellent, season long control. ClearView is a convenient water dispersible granule (WDG) with a low use rate for less packaging and handling. ClearView's new, innovative WDG formulation readily goes into suspension and stays in suspension allowing for ease of use and less hassle.

PRODUCT FEATURES

- Superior broad-spectrum broadleaf weed control
- Favourable environmental, human health and safety profile
- Low use rates
- Tank mix flexibility
- Convenient water dispersible granule formulation
- Formulation based on Dow AgroSciences Reduced Risk Aminopyralid chemistry along with another herbicide group to provide wider spectrum control

WEED ACTIVITY

When applied at 230 g/ha ClearView controls the following weeds:

- | | |
|-----------------------|-------------------|
| • Absinth wormwood | • Common ragweed |
| • Ball mustard | • Corn spurry |
| • Bluebur | • Cow cockle |
| • Buckbrush | • Cudweed |
| • (western snowberry) | • Curly dock |
| • Canada fleabane | • Dandelion |
| • Canada goldenrod* | • Field scabious |
| • Canada thistle | • Fireweed |
| • Chickweed | • Flixweed |
| • Clover (red, white) | • Green smartweed |
| • Common groundsel | • Hemp-nettle |

- Horse-nettle
- Kochia***
- Lady's-thumb
- Lamb's-quarters*
- Musk thistle (nodding thistle)
- Narrow-leaved hawk's-beard
- Ox-eye daisy (pre-bud)
- Perennial pepperweed
- Perennial sow-thistle
- Plumeless thistle
- Prickly lettuce
- Prostrate pigweed
- Pussytoes
- Russian thistle***
- Scentless chamomile
- Shepherd's-purse
- Spotted knapweed
- Stinkweed
- Stork's-bill
- Sweet clover
- Tall buttercup
- Tansy
- Tartary buckwheat
- Volunteer alfalfa
- Volunteer canola**
- Western ragweed
- Wild buckwheat*
- Wild mustard
- Wild rose
- Wild strawberry
- Yarrow*
- Yellow starthistle

*Suppression.
**All varieties except ALS resistant canola
*** Non ALS resistant biotypes

VANTAGE XRT

Vantage XRT is the right choice in glyphosate for industrial vegetation management. Vantage XRT is a fully serviced glyphosate specifically for industrial vegetation management.

PRODUCT FEATURES

- Non-selective broadleaf weed and grass control
- 480 g/L DMA formulation
- Low foam
- Quick plant absorption with 30 minute rainfastness
- Tank mix flexibility
- Fully serviced and supported by Dow AgroSciences

REGISTERED TANK MIXES

For total vegetation control where bare ground is required, the following tank mixes offer effective control of broadleaf weeds and grasses. Milestone and ClearView offer low use rates, low volatility, low odour and superior broadleaf weed control.



MILESTONE + VANTAGE XRT

Milestone provides excellent broadleaf weed control as a tank mix partner with Vantage XRT. Milestone is Canada's only reduced risk herbicide based on its favourable toxicological, ecotoxicological and environmental fate ratings compared to current industry standards for total vegetation control.

MILESTONE + ARSENAL

Milestone provides excellent broadleaf weed control as a tank mix partner with Arsenal. A Milestone and Arsenal tank mix provides superior total vegetation control and is an effective solution for areas where season long bare ground control is desired.

CLEARVIEW + VANTAGE XRT

ClearView offers industry leading, extended broadleaf weed control as a tank mix partner with Vantage XRT. ClearView is comprised of two chemical groups, 2 and 4, providing broad-spectrum control and is an effective tool for resistance management where total vegetation control is needed.

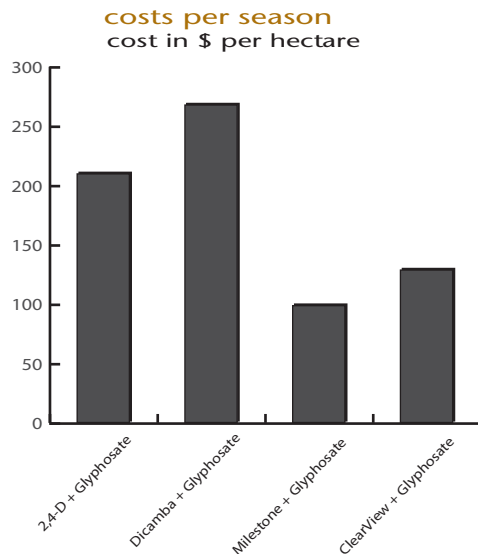
BENEFITS OF MILESTONE AND CLEARVIEW TANK MIXES

Time Savings

- A single application simplifies management and saves time
- Reduced need for multiple applications per year, therefore reducing time spent on vegetation control per site
- Lower use rates mean reduced packaging and handling with fewer containers to transport and recycle
- Lower use rates requiring less handling and labour, reducing worker exposure and improving productivity

Cost Savings

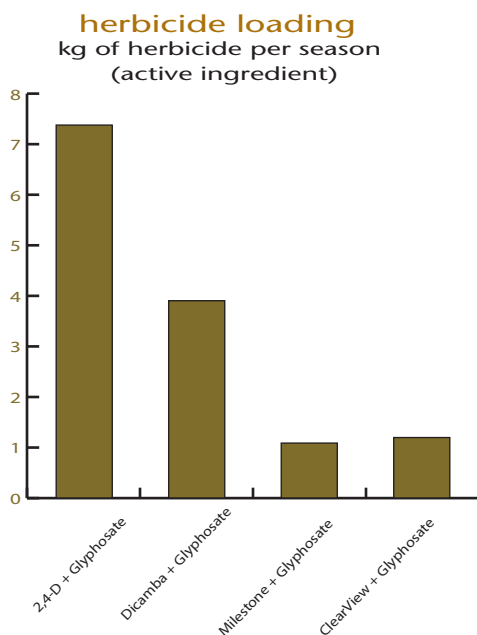
- Less frequent re-applications, which reduces the cost of vegetation control per site per year
- A single application of Milestone and ClearView tank mixes results in reduced herbicide costs per year



*Costs based on 3 applications of 2,4-D + Glyphosate and 3 applications of Dicamba + Glyphosate; 1 application of Milestone + Glyphosate and 1 application of ClearView + Glyphosate

Low Environmental Impact

- Pest Management Regulatory Agency (PMRA) Reduced Risk status gives confidence in management decisions
- Favourable environmental profile results in a reduced environmental footprint
- Lower use rates reduce environmental herbicide loading



*Environmental Loading (Kg of active ingredient per hectare) based on 3 applications of 2,4-D + Glyphosate and 3 applications of Dicamba + Glyphosate; 1 application of Milestone + Glyphosate and 1 application of ClearView + Glyphosate



Site Re-establishment

After an application of Milestone or ClearView for industrial vegetation management control, the site can be re-established with a desired grass the following year, whether that be tame or native grasses or a cereal crop such as oats or barley.



Herbicidal Activity

Milestone and ClearView are absorbed through the leaves and roots of target plants, translocating throughout the plant and accumulating in the meristematic tissues. The result is uneven cell division and growth causing the plant to die. Milestone and ClearView both provide post emergent control on actively growing weeds with soil activity through root uptake on newly germinating weed seeds. By controlling weeds which emerge after application through root uptake, the time until there is commercial need for re-treatment can be reduced. The length of control will depend on the rate applied and the target weeds. Depending on the weed species, initial symptoms can occur within hours or days. Plant growth will stop within 24-48 hours after application.

FREQUENTLY ASKED QUESTIONS AND ANSWERS

WHY NOT JUST MOW THE WEEDS?

Mowing plays a role in vegetation control, but often is not enough. Cutting off plant tops promotes rapid re-sprouting and spreads problem weeds. Mowing is a short term solution as weeds will rapidly reinfest the site, requiring multiple treatments versus a single application of herbicide. Mowing can also be dangerous to facilities and equipment operators.

WHAT IS A REDUCED RISK HERBICIDE?

Milestone and ClearView contain the active ingredient aminopyralid which is a group 4 growth regulating herbicide. Aminopyralid was determined to be a Reduced Risk Herbicide by the Pest Management Regulatory Agency (PMRA) and the US Environment Protection Agency (EPA) based on favourable reviews of its properties and improved toxicological, ecotoxicological and environmental fate, making it a unique compound compared to the current industry standards. Aminopyralid is the only Reduced Risk Herbicide for industrial vegetation control in Canada.

WHAT IS A RESIDUAL HERBICIDE?

A residual herbicide provides control of newly germinating weed seeds after the initial application. Herbicides with residual activity also control weeds which emerge after the initial application through root uptake. This increases the time until there is a need for re-treatment, which can save you time, money and resources. The length of residual control will depend on the product used, rate applied, target weeds and environmental conditions.

WHAT IS SELECTIVE CONTROL? NON-SELECTIVE CONTROL?

Selective control herbicides have modes of action which target only the problem species where there is a desire to keep certain species of vegetation uncontrolled. For example, a selective broadleaf weed control herbicide only controls weeds, leaving a site which has grass cover established but is clear from unwanted weeds. On the other hand, non-selective herbicide application works to control all vegetation, both grasses and broadleaves, where total vegetation control is required for safety and production reasons.

WHO WILL BE APPLYING THE PRODUCTS?

Trained, certified, professional applicators apply Milestone and ClearView using approved application techniques. Applicators follow directions on the product label, which is reviewed by Health Canada's Pest Management Regulatory Agency (PMRA). Applicators should be certified or work under a certified applicator and the company should hold a Service License and appropriate insurance.

WILL THE PRODUCTS HURT ANIMALS?

Milestone and ClearView are designed only to affect plants. The herbicide's active ingredient disrupts the growth process within the plant by affecting enzymes unique only to plants. Aminopyralid is practically non-toxic to birds, fish, honeybees, earthworms and aquatic invertebrates.

OUR COMMITMENT

Dow AgroSciences is dedicated to providing innovations which benefit you and your business, the vegetation management industry and the environment. In our commitment to human health, safety and the environment, Dow AgroSciences offers industry leading technical support, issue management and applicator training programs across Canada.

**ACCOMPLISH MORE. ON THE SAME ACRES. WITH DOW AGROSCIENCES.
CALL THE SOLUTIONS CENTER AT 1.800.667.3852 OR VISIT DOWAGRO.CA.**



Dow AgroSciences

Solutions for the Growing World.

®/™Trademark of the Dow Chemical Company (Dow) or an affiliated company of Dow
IWM 130213 MABP