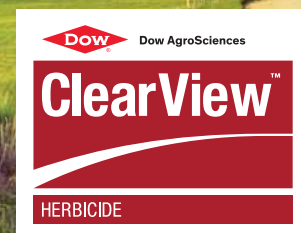


## FACTS ON CLEARVIEW™



ClearView herbicide is the new standard for roadside vegetation managers who are looking for effective control of annual and perennial broadleaf weeds, invasive plants and shrubs on rights-of-way, industrial and other non-crop areas in Canada.

### PRODUCT FEATURES

- Registered in Canada for roadside, rights-of-way and other non-crop uses
- Excellent broad-spectrum broadleaf weed and shrub 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

### FORMULATION, RATES AND PACKAGING

- ClearView requires the addition of a non-ionic surfactant at 0.2% v/v (2L per 1000L spray solution)
- Formulated water dispersible granule with a use rate of 230 g/ha.
- 1.84 kg container treats 8 ha.
- A measuring device is provided to approximate weight when less than the full amount is required
- One case of ClearView treats 16 ha.

### HERBICIDE GROUP

Groups 4 & 2

### USE

- Selective broadleaf weed control in rights-of-way, industrial and other non-crop areas, providing control of weed and shrub species for up to two years following application
- ClearView can be applied alone, or in a tank-mix combination for a wider spectrum of control of weeds and shrubs

### WEEDS CONTROLLED

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

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

ClearView offers extended labeled control for a variety of weeds and shrubs for 24 months following a single application. Depending on the applied rate and target weed species, ClearView's extended control can increase the time intervals before re-treatment is required.

## TANK MIXES

**ClearView herbicide at a rate of 230 g/ha plus 2,4-D Amine herbicide at a rate of 1.1 kg ae/ha.**

The combination of ClearView + 2,4-D amine will provide control of the weeds listed for control and/or suppression with ClearView, plus all the weeds on the 2,4-D amine herbicide label. Control of the following weeds and shrubs will extend to 24 months after application with this labeled tank mix:

- Buckbrush (western snowberry)\*
- Canada thistle\*
- dandelion\*
- pasture sage (fringed sage)\*
- prairie sage
- shrubby cinquefoil
- silver-berry (wolf willow)
- wild strawberry\*
- wild rose\*

*\*24 month labeled control with ClearView alone*

**ClearView Herbicide at a rate of 230 g/ha plus Vantage™ Plus MAX II at a rate of 1.69 – 9.0 L/ha.**

The combination of ClearView plus Vantage Plus MAX II will provide control of the weeds listed for control with ClearView, plus all the annual grasses, broadleaf and perennial weeds on the Vantage Plus MAX II label. This labeled tank mix provides effective, season-long bareground control of grassy and broadleaf weeds. On its own, ClearView provides season-long control of germinating and emerging seedlings of hard-to-control broadleaf weeds.



*Buckbrush  
(western snowberry)*



*Canada thistle*



*Dandelion*



*Narrow-leaved hawk's-beard*

## TRANSLOCATION

ClearView is absorbed by leaves and roots and translocated throughout the plant, causing death.

## HERBICIDAL ACTIVITY

Depending on the weed species, you can begin to see results within hours or days. Plant growth will stop within 24 – 48 hours after treatment.

Most susceptible species will be controlled within 4 to 8 weeks following application.



*Canada thistle – two weeks after ClearView application*

## APPLICATION

ClearView is registered for ground, aerial and spot application methods. For best results, apply ClearView in a minimum of 20 gal/acre of total spray solution for ground applications and 5 gal/acre of solution for aerial applications.

ClearView requires the addition of a non-ionic surfactant (such as Ag-Surf®, Agral® 90 or Citowett® Plus) at 0.2% v/v or 2 litres per 1000 litres of spray solution.

## APPLICATION TIMING

Environmental conditions vary from season to season so application timing guidelines are to be considered



as recommendations only. Application to weeds under extreme moisture stress will reduce the long-term level of control.

**Shrubs** – Apply to actively growing shrubs, after full leaf expansion, but prior to the development of a waxy cuticle on the leaf of the shrubs.

**Weeds** – Apply to actively growing weeds, after emergence, prior to flowering.

Application timing to provide control to all species of shrubs and weeds must occur when all target species have emerged. Plants, especially perennial weeds that have not emerged at the time of application will not be controlled.

**GRASS SAFETY**

Most grass species are tolerant to ClearView applications at the registered rate. Do not apply on areas where legume damage cannot be tolerated.

**GRAZING RESTRICTIONS**

There are no grazing restrictions for livestock or lactating dairy animals that have grazed on treated areas. ClearView works like a natural growth-regulating hormone found only in plants and not

found in livestock and wildlife. Cattle and wildlife do not metabolize ClearView. When ingested, ClearView is rapidly excreted from the body in the urine, and does not accumulate in the animal.

**SOIL BEHAVIOR**

ClearView provides extended control of newly germinating seedling weeds following application. Dissipation occurs primarily through microbial degradation. Laboratory half-life is 10-178 days for ClearView.

**CROP ROTATION**

ClearView is intended for use on rights-of-way, industrial and other non-crop areas, and is not suitable for use on cropland. Seeding of grasses may be completed 10 months following an application of ClearView. Legume (alfalfa, clover) establishment will be affected for a period up to 60 months (longer if soil pH is greater than 7.9).

**USER AND ENVIRONMENTAL SAFETY**

ClearView has low impact on the environment compared to currently registered products. This was confirmed through favorable data and risk assessments presented for toxicological, eco-toxicological and environmental fate.

ClearView has very low acute and chronic toxicity to mammals, fish, aquatic invertebrates, honeybees and earthworms. It does not bio-accumulate in the environment.

Acute Oral Toxicity	> 5000 mg/kg (rat)
Acute Dermal Toxicity	> 5000 mg/kg (rat)
Eye Irritation	May cause irritation
Dermal Irritation	Slightly irritating



*Ox-eye daisy*



*Wild rose*



*Scentless chamomile*



*Tansy*

## SUMMARY

ClearView provides a unique combination of desirable environmental and agronomic features:

- Safe to the environment and users, when used according to the label
- Lower worker exposure due to its favorable toxicity profile and low use rates.
- Extended shrub and weed control
- Alternative to Tordon™ 101 herbicide for weed control

- Can be tank mixed with 2,4-D Amine or Vantage Plus MAX II to broaden the spectrum of control and to fit any program
- Convenient water dispersible granule that is easy to mix and stays in suspension

## EFFICACY DATA

ClearView provides extended weed and shrub control for a number of species. Control levels can be outlined at 12 and 24 months following an application as follows:

### CONTROL RATINGS

Species	ClearView % control (12 MAA)	ClearView % control (24 MAA)	Competitive Treatment % control (24 MAA)
Buckbrush (western snowberry)	★ ★ ★	★ ★ ★	★ ★
Wild rose	★ ★ ★ ★	★ ★ ★	★ ★ ★
Scentless chamomile	★ ★ ★ ★ ★	★ ★ ★	★ ★ ★ ★
Dandelion	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Canada thistle	★ ★ ★ ★ ★	★ ★ ★ ★	★ ★ ★

- ★ ★ ★ ★ ★ = greater than 95% control
- ★ ★ ★ ★ = greater than 90% control
- ★ ★ ★ = greater than 80% control
- ★ ★ = greater than 70% control

Source: Dow AgroSciences registration trials 2003 – 2008

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