

FACTS ON SIGHTLINE™



Sightline™ is a new selective, post-emergent herbicide that controls kochia and annual and perennial broadleaf weeds, invasive plants and shrubs on rights-of-way, industrial and other non-crop areas in Canada.

Sightline will offer professional vegetation managers highly effective control of kochia and broadleaf weeds. It provides the best spectrum of control in the industry, with a favourable environmental and user safety profile and tank mix options for bare ground applications.

ACTIVE INGREDIENTS

- Aminopyralid
- Metsulfuron Methyl
- Fluroxypyr

FORMULATION, RATES AND PACKAGING

Sightline is a co-packaged product which treats 8 ha (20 ac) per case. Component A is a formulated water dispersible granule, with a use rate of 230 g/ha. It is packaged in a 1.84 kg container and includes a measuring device to approximate weight when partial quantities are needed. Component B is a liquid emulsifiable concentrate, with a use rate of 840 mL/ha, packaged in one 6.72 L jug. Sightline requires the addition of a non-ionic surfactant at 0.2% v/v.

HERBICIDE GROUPS

Groups 4 and 2

USE

Sightline provides selective control of broadleaf weeds, including kochia, on rights-of-way, industrial and other non-crop areas. Sightline can be used alone or in a tank mix combination for bare ground applications where total vegetation control is required.

WEEDS CONTROLLED

- absinth wormwood
- ball mustard
- bluebur
- Canada thistle
- Canada goldenrod*
- chickweed
- clover (red, white)
- common groundsel*
- common tansy
- corn spurry
- cow cockle
- dandelion
- field scabious
- flixweed
- green smartweed
- hemp-nettle
- kochia
- lady's-thumb
- lamb's-quarters
- narrow-leaved hawk's-beard
- pasture sage (fringed sage)*
- perennial pepperweed
- perennial sow thistle
- prairie sage*
- prickly lettuce
- prostrate pigweed
- pussytoes
- Russian thistle
- scentless chamomile
- shepherd's-purse
- shrubby cinquefoil*
- spotted knapweed
- stinkweed
- stork's-bill
- sweet clover
- tall buttercup
- tartary buckwheat
- volunteer alfalfa
- volunteer canola**
- western snowberry (buckbrush)
- wild buckwheat
- wild rose
- wild strawberry
- yarrow

*Suppression.

**All varieties except ALS resistant canola

*** Non ALS resistant biotypes



Weeds present: Kochia, Canada thistle, dandelion, common groundsel

TANK MIXES

Sightline herbicide at a rate of 8 ha per case plus Vantage™ XRT at a rate of 0.8 kg ai/ha to 4.3 kg ai/ha.

A tank mix of Sightline and Vantage XRT will provide season long control of broadleaf weeds for bare ground applications. This combination will control all the weeds listed on the Sightline label plus all the annual grasses, broadleaf and perennial weeds listed on the Vantage XRT label. This labeled tank mix provides effective, season-long bare ground control of grassy and broadleaf weeds.

HERBICIDAL ACTIVITY

Sightline is absorbed by the leaves of target plants. It is then trans-located throughout the plant causing death. Depending on the weed species, you can begin to see results within hours or days. Plant growth will stop within 24 to 48 hours after treatment. Typical symptoms include twisting and cupping of the leaves and stems. Most susceptible species will be controlled within 4 to 8 weeks following application.

APPLICATION

The submission for Sightline includes ground and spot application methods. For best results, apply Sightline in a minimum of 200L/ha or 20 gal/acre of total spray solution for ground applications. Sightline also requires the addition of a non-ionic surfactant (such as Ag-Surf, Agral1 90 or Citowett2 Plus) at 0.2% v/v or 2 litres per 1000 litres of spray solution.

APPLICATION TIMING

To provide effective control of kochia and other broadleaf weeds, Sightline must be applied when all target species have emerged. Weeds that have not emerged at the time of application will not be controlled. Sightline should be applied to actively growing weeds following emergence and prior to

flowering. For best results on kochia, apply Sightline to young plants approximately 15 cm or 6 inches in size.

SOIL BEHAVIOR

Sightline is broken down primarily through microbial degradation. The half life of Sightline ranges from 10 to 178 days. Sightline can provide extended control of seedling weeds following application. However, kochia and perennial weeds generating from rhizomes will not be controlled through soil activity.

USER AND ENVIRONMENTAL SAFETY

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

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

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

SUMMARY

Sightline is a new broad-spectrum herbicide which provides excellent control of kochia and other broadleaf weeds. It is a superior alternative to current kochia control standards. Sightline is a co-packaged product with low use rates and an excellent environmental profile. It can be tank mixed with Vantage XRT where total vegetation control is required.

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