

Arsenal Powerline herbicide

technology sheet

Residual control of grasses and broadleaf weeds in an easy-to-use liquid formulation.

- Uses Transport Technology to ensure rapid absorption and translocation of the active ingredient throughout the target plant
- Proven, consistent control of key brush species along with effective burndown and residual control of grass and broadleaf weeds
- Can be used for selective control of invasive plants

Active ingredient

Imazapyr – Group 2

Formulation

Liquid

One case contains

2 x 9.5 L jugs

Storage

Store above -12°C.

How it works

Arsenal® Powerline inhibits an essential enzyme found only in plants, making it safe for applicators, wildlife and the general public. Using Transport Technology, Arsenal Powerline is quickly absorbed through plant foliage and roots, stopping the development of new growth. It also translocates throughout the plant and into the roots, preventing re-growth in subsequent years.

Because Arsenal Powerline stops new growth, fully developed brush species and established invasive perennial plants (e.g. dog-strangling vine) may not demonstrate symptoms until the following spring.

Weeds controlled

Apply to actively growing weeds.

Annual broadleaves

Black medic, cinquefoil (rough), fleabane¹, groundsel (common), hemp-nettle², kochia², lamb's quarters², mustard^{1,2}, pigweed^{1,2}, pineappleweed, ragweed¹, Russian thistle², stinkweed, sow thistle (annual)², wild buckwheat²

Perennial/biennial broadleaves

Bladder campion, bull thistle, burdock, Canada thistle², cinquefoil (sulphur), clover¹, dandelion, dog-strangling vine, field bindweed, goat's beard, goldenrod, leafy spurge, milkweed, mouse-ear chickweed, mullein¹, ox-eye daisy, plantain¹, poison ivy, sheep sorrel, toadflax, tufted vetch, wild carrot, wild grape, wild strawberry

Annual grasses

Bluegrass (annual), foxtail², old witchgrass

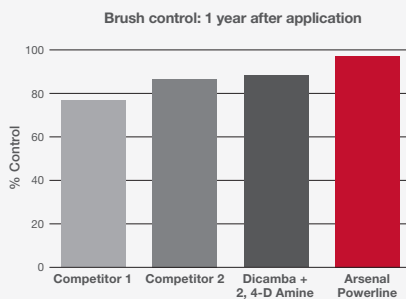
Perennial grasses and sedge

Bluegrass (Canada), bromegrass, fescue², quackgrass, yellow nutsedge

Brush

Maple, poplar, raspberry, wild rose

See label for additional weeds controlled.



Source: BASF Trials, Tantallon, NS

¹ Controls multiple species of the targeted weed.

² Tank-mix with another herbicide active against the target weed for control of Group 2-resistant biotypes.

BASF

We create chemistry

Arsenal[®] Powerline

Herbicide

Environment, health and safety

General information

Combustibility:	Non-combustible
Regulation:	Not regulated by TDG or WHMIS
Toxicity:	Low (Signal Word: Caution)
Re-entry interval:	Once spray residue has dried

User toxicology

Oral LD ₅₀ :	>2,000 mg/kg
Dermal LC ₅₀ :	>5,000 mg/kg
Skin irritant:	Mildly irritating
Eye irritant:	Moderately irritating
Bioaccumulation:	No
Carcinogenic:	Non-carcinogenic
Mutagenic:	Non-mutagenic

Ecotoxicity

Birds:	Practically non-toxic (oral LD ₅₀ > 2,150 mg/kg)
Fish:	Practically non-toxic to slightly toxic (96 hour LC ₅₀ > 120 mg/L)
Aquatic insects:	Practically non-toxic to slightly toxic (48 hour EC ₅₀ > 100 mg/L)

Environmental fate

Volatility:	Non-volatile
Persistence:	Breakdown by soil microbes is dependent on moisture and temperature. Low temperatures and dry conditions will extend persistence.
Erosion:	Arsenal Powerline binds tightly to soil and will move with eroded soils.
Leaching:	Will not move deeper than 15 cm in the soil profile. Does not move laterally in the soil profile.
Buffer zones:	Leave an adequate buffer zone between spraying area and sensitive vegetation. Refer to label for information.
Grazing restrictions:	No grazing restrictions. Do not cut forage for hay for 7 days after application.

Handling precautions

Read Arsenal Powerline label before using.
Use goggles, gloves and coveralls when mixing.
Wash thoroughly after using. Launder clothes separately.

First aid

Eye contact:	Flush with water for 15 to 20 minutes
Skin contact:	Wash with soap and water
Inhalation:	Remove to fresh air
Ingestion:	Drink water, induce vomiting and seek immediate medical attention

Call 1-800-454-2673 for 24-hour assistance.

For more information

Visit www.BetterVM.ca.

Always read and follow label directions.