



POWER UP

Professional
Vegetation
Management

 **BASF**
The Chemical Company

ARSENAL®
POWERLine™
herbicide

WITH TRANSPORT TECHNOLOGY™
FOR SUPERIOR WEED AND
BRUSH CONTROL

Arsenal® PowerLine™ Herbicide

For Superior Weed And Brush Control

Arsenal® PowerLine™ Herbicide With Transport Technology™

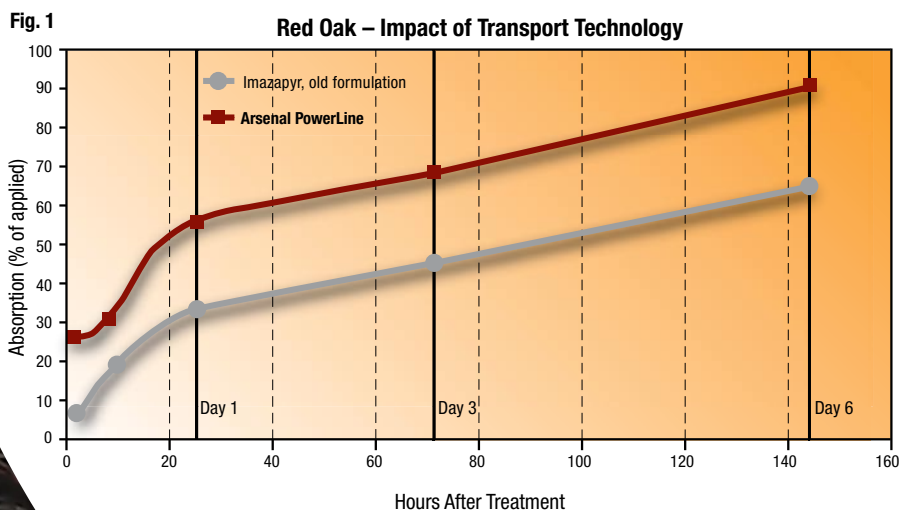
Arsenal PowerLine with Transport Technology is a unique formulation that provides superior, long-term control of undesirable vegetation in utility, roadside, right-of-ways and railroad settings.

Patented Technology

The powerful chemistry of **Arsenal PowerLine** – the only brush control herbicide with Transport Technology. Transport Technology accelerates the amount of absorption and translocation of the active ingredient through the plant. That means improved performance and more consistent control than ever before.

Transport Technology Effects

The superior effectiveness of Transport Technology has been demonstrated on a variety of brush and weed species. In a study on red oak, **Arsenal PowerLine** with Transport Technology had over 50% uptake within 24 hours after treatment. In comparison, it took six days to achieve similar levels of uptake with the old formulation (see figure 1 below).

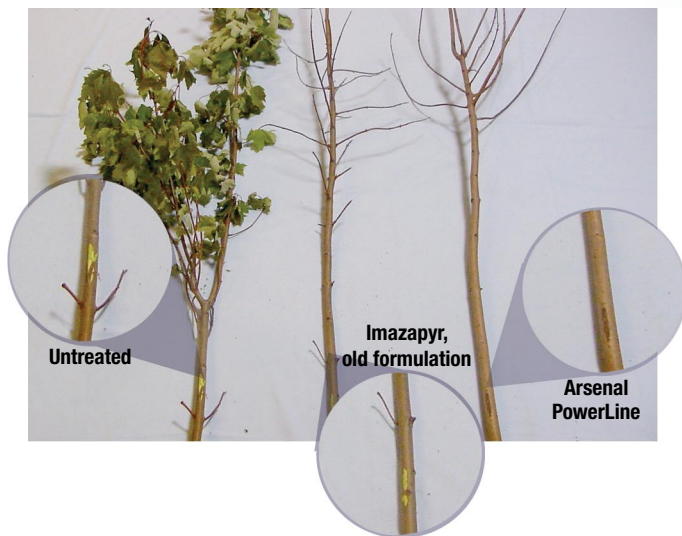


Proven Results

Arsenal PowerLine is readily absorbed through the leaves and stems of vegetation. Though treated branches may look similar on the surface, exposing the cambium layer (the layer under the bark responsible for transporting nutrients or food to the tree) shows life in the brush treated

with the old formulation of imazapyr, while the stem treated with **Arsenal PowerLine** is truly dead (see figure 2). Studies show a noticeable difference in the absorption rate in both the fall and spring (figures 3 and 4).

Fig. 2 Uptake Comparison of Maple – 8 Months After Treatment



Power up your brush control with **Arsenal PowerLine**.

Broad-Spectrum Control

Arsenal PowerLine controls a broad spectrum of vines, brambles, brush, trees, grasses and broadleaf weeds. Some of the key species controlled by **Arsenal PowerLine** include:

Brush/Tree Species

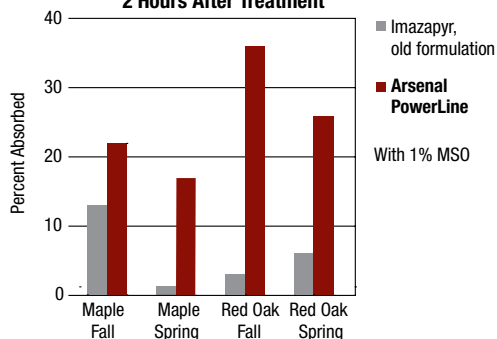
- Brazilian Peppertree
- Chinese Tallow-tree
- Maple
- Oak
- Poplar
- Privet
- Russian Olive

Grass/Broadleaf Species

- Cogongrass
- Fescue
- Field Bindweed
- Japanese Knotweed
- Johnsongrass
- Purple Loosestrife
- Reed Canarygrass

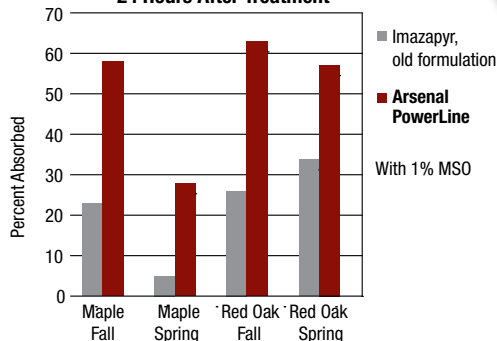
*A complete list of weeds controlled can be found on the **Arsenal PowerLine** product label.

Fig. 3 Arsenal PowerLine with Transport Technology 2 Hours After Treatment



Source: University Research

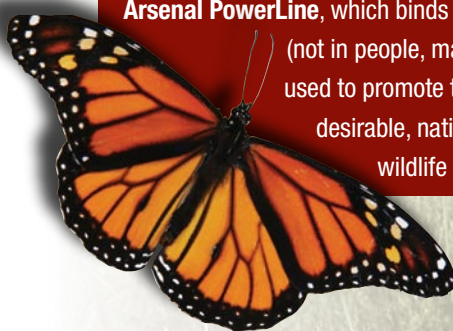
Fig. 4 Arsenal PowerLine with Transport Technology 24 Hours After Treatment



Source: University Research

A Better Solution For Habitat Enhancement

Arsenal PowerLine, which binds with an enzyme found only in plants (not in people, mammals, birds, fish or insects), can be used to promote the growth and re-colonization of the desirable, native plants that provide forage and enhance wildlife habitat.



Arsenal® PowerLine™ Herbicide

For Superior Weed And Brush Control

Application Versatility

Arsenal PowerLine provides enhanced control at low rates as well as at higher volumes. **Arsenal PowerLine** also delivers optimal rainfastness. Effective as a stand-alone solution, **Arsenal PowerLine** makes a strong tank-mix partner to Accord®, Krenite® and Escort® for woody brush and broadleaf control. For bareground control, **Arsenal PowerLine** is the perfect partner to **Pendulum® AquaCap™** herbicide. In any tank mix, **Arsenal PowerLine** helps broaden the spectrum of weeds controlled. In addition, **Arsenal PowerLine** works well with many application methods and equipment, including:

Low-volume foliar backpack

- Applicators can selectively control vegetation using a minimum amount of spray
- Ideal for low-density vegetation less than eight feet in height

Low-volume hydraulic

- Applicators can use existing equipment at low-volume application rates
- Ideal for medium- to high-density vegetation

Aerial applications

- Recommended when there is limited non-target vegetation

Boom and boomless equipment

- Conventional boom-mounted or boomless nozzles work well in high-density, low-growing brush areas where wide coverage is desired

Stump and cut-stump treatments

- **Arsenal PowerLine** can be used in a concentrated or diluted solution for cut-stump, tree injection or frill and girdle treatments

To learn more about potential applications and benefits of **Arsenal PowerLine** with **Transport Technology**, call your nearest BASF ProVM sales specialist at **1-800-545-9525**, or visit **www.arsenalpowerline.com**.

ARSENAL®
POWERLine™
herbicide

Always read and follow label directions.

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