



Arsenal[®] Herbicide Applicators Concentrate

**THE PERFECT SOLUTION FOR CONTROLLING
COMPETING VEGETATION THROUGHOUT THE
PINE FOREST LIFE CYCLE.**

Professional
Vegetation
Management

What Is Arsenal[®] Herbicide Applicators Concentrate?

Arsenal[®] herbicide Applicators Concentrate (Arsenal AC) from BASF controls competing vegetation after planting – and throughout the forest life cycle – to help boost pine survival and support healthy growth.

By freeing growing pines from the herbaceous weeds, grasses, vines and hardwood brush that compete for sunlight, moisture, nutrients and root space, **Arsenal AC** promotes healthier stands, faster growth, larger merchantable volumes – and higher returns on the timberland investment.

 **BASF**

The Chemical Company

ARSENAL[®]
herbicide

How Does Arsenal® Herbicide Applicators Concentrate Work?

The active ingredient in **Arsenal AC** works on an enzyme found only in plants – not humans, animals, birds or fish. Studies show that once applied, **Arsenal AC** moves only inches in the soil. Plus, when used as directed, **Arsenal AC** won't harm young pines or wildlife food sources.

When Is Arsenal AC Applied?

Arsenal AC delivers broad-spectrum, long-term control of competing vegetation throughout the pine life cycle.

- **HERBACEOUS WEED CONTROL.** In the critical first and second growing seasons after planting, **Arsenal AC** boosts seedling survival and growth rates by controlling the broadleaf weeds, grasses, vines and other herbaceous weeds that can rob young pines of sunlight, moisture, nutrients and rooting space. When mixed with **SulfometuronMAX™ herbicide**, weed control lasts longer, further increasing survival and growth rates.

- **PINE RELEASE.** In young pine stands, **Arsenal AC** controls the hardwood brush that keeps young pines from flourishing, and can boost merchantable volumes by as much as 30% or more.

- **MID-ROTATION RELEASE.** Halfway through pine stand rotation, an application of **Arsenal AC** clears the hardwood brush that can prevent pines from reaching maximum size and market value – yielding an estimated average potential rate of return topping 11% per year over 10 years. Plus, by clearing the forest floor of low quality hardwood brush, **Arsenal AC** promotes the growth of plants favored by a variety of wildlife – making forestland more accessible and attractive to hunters, recreationists and wildlife alike.

How Can I Find Out More?

For more information about **Arsenal AC** and **SulfometuronMAX**, contact your nearest BASF ProVM sales specialist at **1-800-545-9525**, or visit **www.vmanswers.com**.

Why Arsenal AC?

Benefits Throughout The Pine Life Cycle.

Herbaceous Weed Control

- Improved seedling survival rates.
- More than double the potential early pine volume growth after a single treatment.¹
- Greater merchantable volumes. In one study, increases ranged from 33% to a whopping 131%.¹
- Faster optimum volume and stand development.
- Higher potential return on investment. Faster stand growth means earlier commercial thinning.¹

Pine Release

- Boosts potential merchantable pine volume by as much as 30% or more.
- Allows earlier thinning – and more time for thinned stands to develop.

Mid-Rotation Release

- Boosts potential merchantable volumes by as much as 20% or more.
- Increases pine diameters for higher-value timber.
- Average potential real rate of return: 11% per year.
- Controls the toughest competitors: hardwood brush, waxy species, broadleaves and grasses.
- Improves accessibility and land value for hunting and recreation.

Life Cycle Benefits

- Lowers potential fire risk by reducing fuel load.
- Gentle on pines – **Arsenal AC** is gentle on pines when used according to label instructions.
- Helps enhance wildlife habitat – **Arsenal AC** increases plant diversity and doesn't target wildlife-preferred forage.
- **Arsenal AC** is backed by the BASF Performance Guarantee.

1. Glover, GR, Creighton JL, Gjerstad DH, Herbaceous weed control increases loblolly pine growth, *J. Forestry*, 1989; 87(2): 47-50.

Always read and follow label directions.

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