The need for brush control doesn’t end when you’ve established your stand. In fact, mid-rotation release treatment of 10- to 15-year-old pines with Arsenal® herbicide Applicators Concentrate (Arsenal AC) can boost growth rates, improve timber quality, and pay off in a potential annual rate of return of more than 11% over 10 years.

Even in older stands with a closed pine canopy, understory brush and other competitors for moisture and nutrients can undercut pine growth – and profits. Quality Vegetation Management™ (QVM) with Arsenal AC keeps competitors at bay throughout the forest life cycle, yielding big potential increases in both merchantable volumes and timber value. In one study, Arsenal AC cut hardwood competition in a 14-year-old loblolly stand by 76% – and increased pine volume by 20% after six years.\(^1\)

A clear understory, achieved through a treatment of Arsenal AC followed by controlled burning, allows sunlight to reach the forest floor so food plants for wildlife can flourish.
Arsenal AC used during mid-rotation eliminates hardwood competition and increases the value of your stand.


A Clearer Path To Land Value.

By clearing low quality, hardwood brush – without targeting the legumes wildlife use for food – Arsenal AC makes your land more accessible and more attractive to hunters, recreationists and wildlife. As every forest landowner knows, that’s a clear path to increased income-generating land value while you wait for harvest.

The Perfect Solution.

Arsenal AC gives you broad-spectrum, long-term control of low-quality hardwood brush, broadleaf weeds and grasses – with outstanding pine tolerance. It can even control the toughest species, like: sweetgum, purple loosestrife and cogongrass. The result? A vegetation control solution like no other.

The Full Treatment: Life Cycle Management with Arsenal AC.

Count on Arsenal AC to control competing vegetation throughout the life cycle of your pine stands.

- **Herbaceous Weed Control** in the critical first and second seasons.

- **Pine Release** boosts merchantable volumes by controlling hardwood brush in young pine stands. (Please refer to label.)

- **Mid-Rotation Release** clears hardwood brush halfway through pine stand rotation, for faster growth, bigger pines and better timber at harvest.

Arsenal AC at Mid-Rotation: Benefits You Can Bank On

- Increases pine volume by as much as 20% over six years.

- Increases pine diameters for higher value timber.

- Significant return on investment. Average real rate of return 11% per year.

- Controls the toughest competitors. Hardwoods, brush, waxy species, broadleaves and grasses.

- Improves accessibility and land value for hunting and recreation.

- Lowers fire risk. Thanks to reduced fuel loads.

- Pine tolerance.

Arsenal AC selectively targets competing vegetation and provides outstanding pine tolerance when used according to label directions.

- Helps enhance wildlife habitat. Arsenal AC increases plant diversity and doesn’t target the legumes wildlife use for food.

Arsenal AC Mid-Rotation Release Treatment Pays Off

1. The real rate of return is the nominal rate minus the inflation rate.

2. Fifteen years after treating a 10-year-old stand.


QVM is a set of principles that creates and sustains healthy habitats through professional, ethical and responsible practices.

Learn more at:
www.vmanswers.com/QVM

Arsenal AC: The One To Grow On.

For more information about any BASF vegetation management product, contact your nearest BASF ProVM specialist at 1-800-545-9525, or visit www.vmanswers.com.

Always read and follow label directions.
Arsenal is a registered trademark and Quality Vegetation Management is a trademark of BASF. ©2006 BASF Corporation. All rights reserved.