

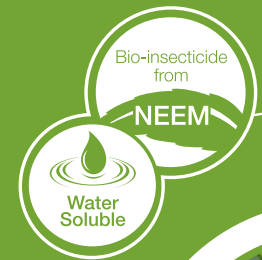
Finally!

A water soluble product
from the Neem tree

ARBORjet
Revolutionary Plant Health Solutions

99 Blueberry Hill Road • Woburn, MA 01801

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www.azasol.com

Rev 11/10

AzaSolTM
Water Soluble Bio Insecticide from Neem



AzaSol™ can be used to control insects on:

- Trees and Shrubs
- Turf, Lawns and Gardens
- Vegetables and Fruit Trees
- A Variety of Crops

It may be applied by:

- Spraying
- Soil Drench
- Injection
- Chemigation

AzaSol™

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Available from:

ARBORjet®
Revolutionary Plant Health Solutions

The Science of AzaSol

What is Neem?

Neem is a tree native to India, *Azadirachta indica*. It contains the active ingredient Azadirachtin, which is a proven natural anti-feedant, growth regulator, anti-ovipository and insect repellent. It is toxic to soft bodied insect larvae.

A Unique Chemistry

AzaSol insecticide is the only **water soluble powder product with azadirachtin** extracted directly from seeds of the Neem tree in India.

AzaSol insecticide is manufactured with a **patented process** that creates a dried powder azadirachtin that's freely soluble in water and **stable for over 2 years**.

By mixing AzaSol with water at the time of application, it is **significantly more effective** than traditional Neem oils, emulsifiable concentrates, or pre-mixed azadirachtin liquids. AzaSol's solubility allows superior flow characteristics for absorption and systemic utilization in plants. Also, AzaSol is non-phytotoxic when used as directed.

AzaSol is the **best chemistry of azadirachtin** for the most effective control on insects.

Neem Tree



AVAILABLE IN THREE SIZES

Single 0.75 oz Packet

0.75 oz (approx. 22tsp)
Packet treats approx. 5,000 - 10,000 sq ft.
(Mixes with 5 - 25 gallons of water)

6 oz. Container

8 packets, 0.75 oz (approx. 22 tsp) each
Container treats approx. 1 to 3 acres
(Mixes with 50 - 150 gallons of water)

18 oz. Container

6 packets, 3 oz (approx. 85 tsp) each
Container treats approx. 3 to 9 acres
(Mixes with 150 - 450 gallons of water)



How it Works

The azadirachtin in AzaSol has multiple ways of action:

Anti-feedant

Insects will feed less or not at all so they starve to death.

Insect Growth Regulator

Insects will not mature, reproduce or grow, so populations will not increase to damaging levels.

Anti-ovipository and Repellent

Insects will be repelled and will avoid laying eggs.

AzaSol[™]

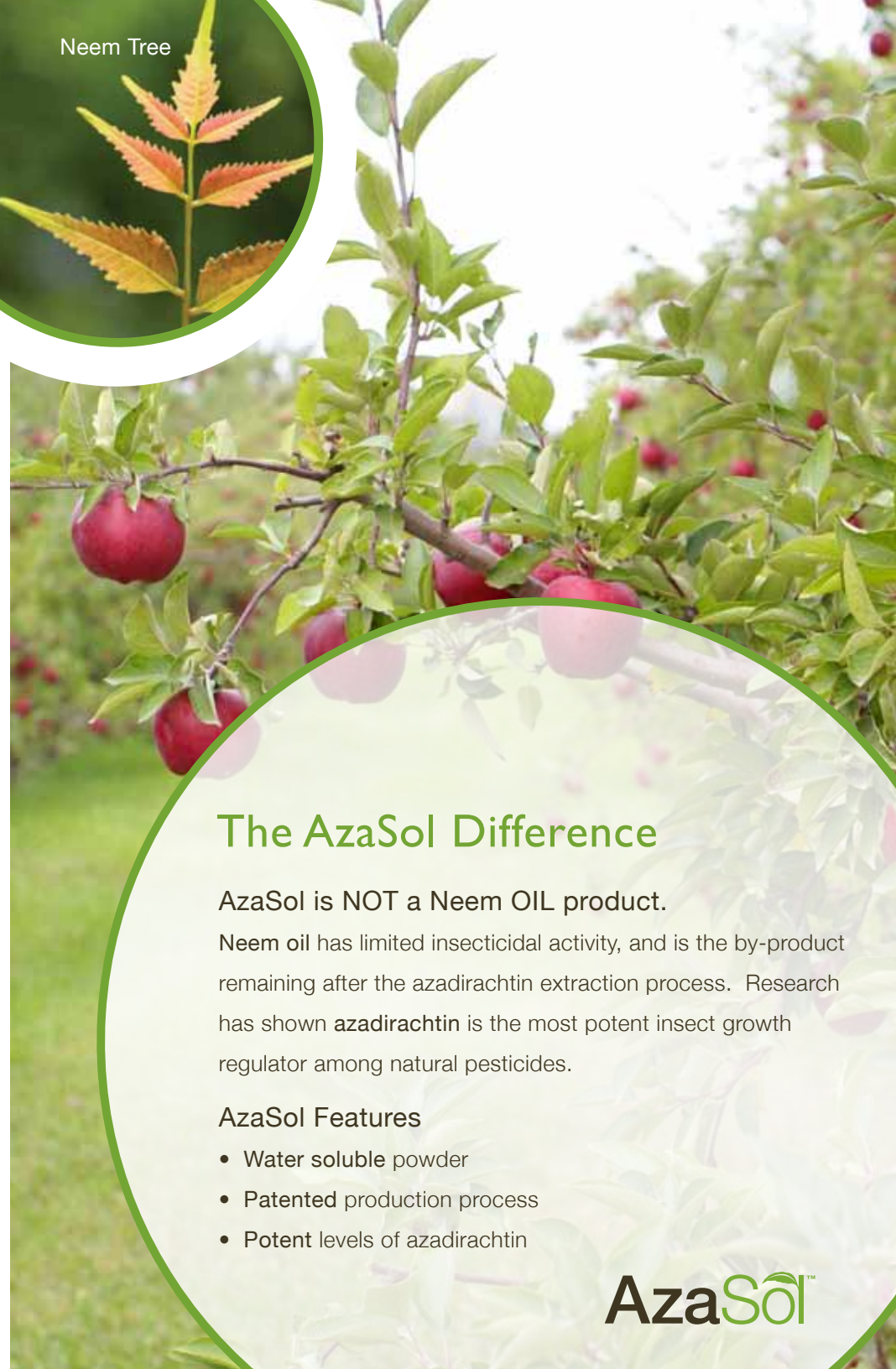
Using AzaSol

Applications

AzaSol is intended for use on outdoor plants and food crops, mushroom houses, plants grown indoors or in greenhouses, shade cloth, interiorscapes and nurseries. It can be used to control any of the following insects.

PEST	RATES: AzaSol Oz's./Acre-tsp./1,000 sq.ft.	COMMENTS For Spray, Drench or Chemigation.
WHITEFLIES	6 oz in 50 gal water/A 1 tsp/1 gal water /1000 sq.ft.	Make sure that spray cover upper, lower and all surfaces of leaves fruit and twigs.
LEAF MINERS	6 oz in 50 gal water/A 1 tsp/1gal water /1,000 sq.ft.	Apply to new growth in spring before new larvae enter plant foliage. Repeat application at 10 to 14 day intervals if new infestations are expected.
SCALE	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq.ft.	Make sure to thoroughly spray upper, lower and all surfaces of leaves and twigs.
MEALY BUGS	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq ft	Spray to thoroughly cover twigs and leaves.
THRIPS	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq ft	Spray in spring when young nymphs first appear on foliage.
APHIDS	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq.ft.	Spray to wet lower side of leaves when "leaf curl" first appears.
PSYLLIDS	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq.ft.	Spray for new "instar" nymphs appearing on new discolored foliage.
BUGS	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq.ft.	Spray early when nymphs are young. AzaSol will control "instar" growth until they die.
FLIES	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq.ft.	For food and Non food crops spray when larvae first appear
SAWFILES	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq.ft.	Spray when first larvae appear when plants start new growth
CATERPILLARS	6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq.ft.	Spray when first larvae worms appear. Repeat applications in 7 to 10 days. For continued pest control in the spring or fall when insect infestations are expected spray ornamentals and other plants at intervals of 2 to 3 weeks.
BETTERLES	6 oz in 50 gal water/A 1 tsp/ 1 gal water/1000 sq.ft.	Spray when pests first appear. For Food crops, Repeat application after 7 to 10 days. Do no use with oil! Make sure that all plant surfaces are thoroughly spray treated. Repeat in 5 to 7 days if required.
WEEVILS	6 oz in 50 gal water/A 1 tsp/ 1 gal water/1000 sq.ft.	Foliar anti-feedant sprays will stop adult feeding. Make at least 3 to 4 applications 10 days apart.
BORERS	6 oz in 50 gal water/A 1 tsp/ 1 gal water/1000 sq.ft.	Thoroughly spray in spring after egg hatch to control young larvae.
MOLE CRICKETS	6 oz in 50 gal water/A 1 tsp/ 1 gal water/1000 sq.ft.	For turfgrass, spray to drench turf for young cricket nymphs in spring. Stops young from growth to adults.
MUSHROOM FLIES	Mix ½ oz. in 1 to 2 gal of water and mist over, (or drench) 1,000 sq. ft.	See "For Mushrooms" section on this label.
PESTS OF TURF GRASS	Mix 1 tbsp in 2 to 3 gal of water and apply to 2,500 sq.ft.	Use a suitable pressure sprayer. Apply when insect larvae first appear and if necessary repeat application in 10 to 14 days. The use of an approved "spreader sticker" may help the spray to penetrate turf down to the larvae / worm feeding area.

Neem Tree



The AzaSol Difference

AzaSol is NOT a Neem OIL product.

Neem oil has limited insecticidal activity, and is the by-product remaining after the azadirachtin extraction process. Research has shown azadirachtin is the most potent insect growth regulator among natural pesticides.

AzaSol Features

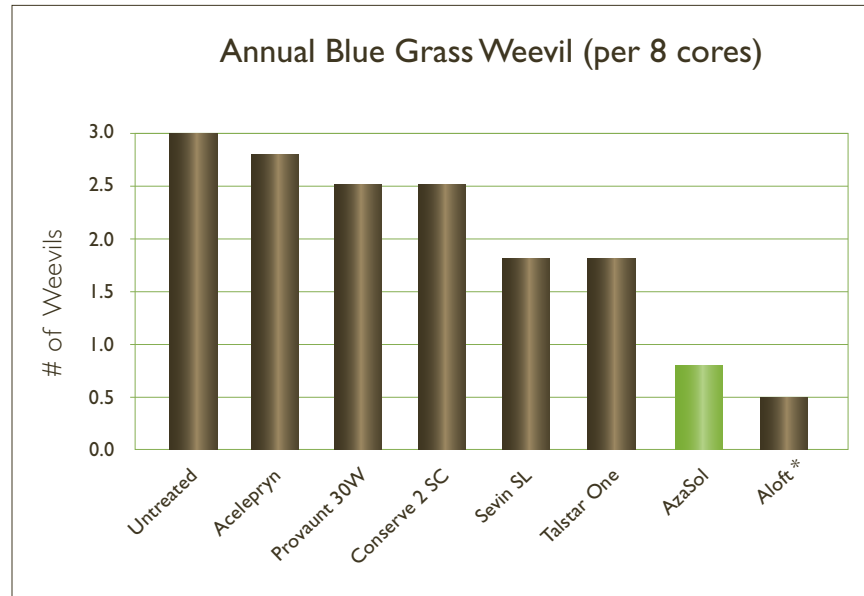
- Water soluble powder
- Patented production process
- Potent levels of azadirachtin

AzaSol™

Controlling Turf and Lawn Insects

Annual Bluegrass Weevil

AzaSol is very effective against mid-to-late in-star larvae. The botanical characteristics along with multiple modes of action make it an optimal choice to control Annual Bluegrass Weevil.



* Aloft is NOT a botanical insecticide and it is a Restricted Use Pesticide for golf courses and sod farms.



AzaSol Neem seeds are handpicked for better quality, screening, and initial processing.

The AzaSol Difference

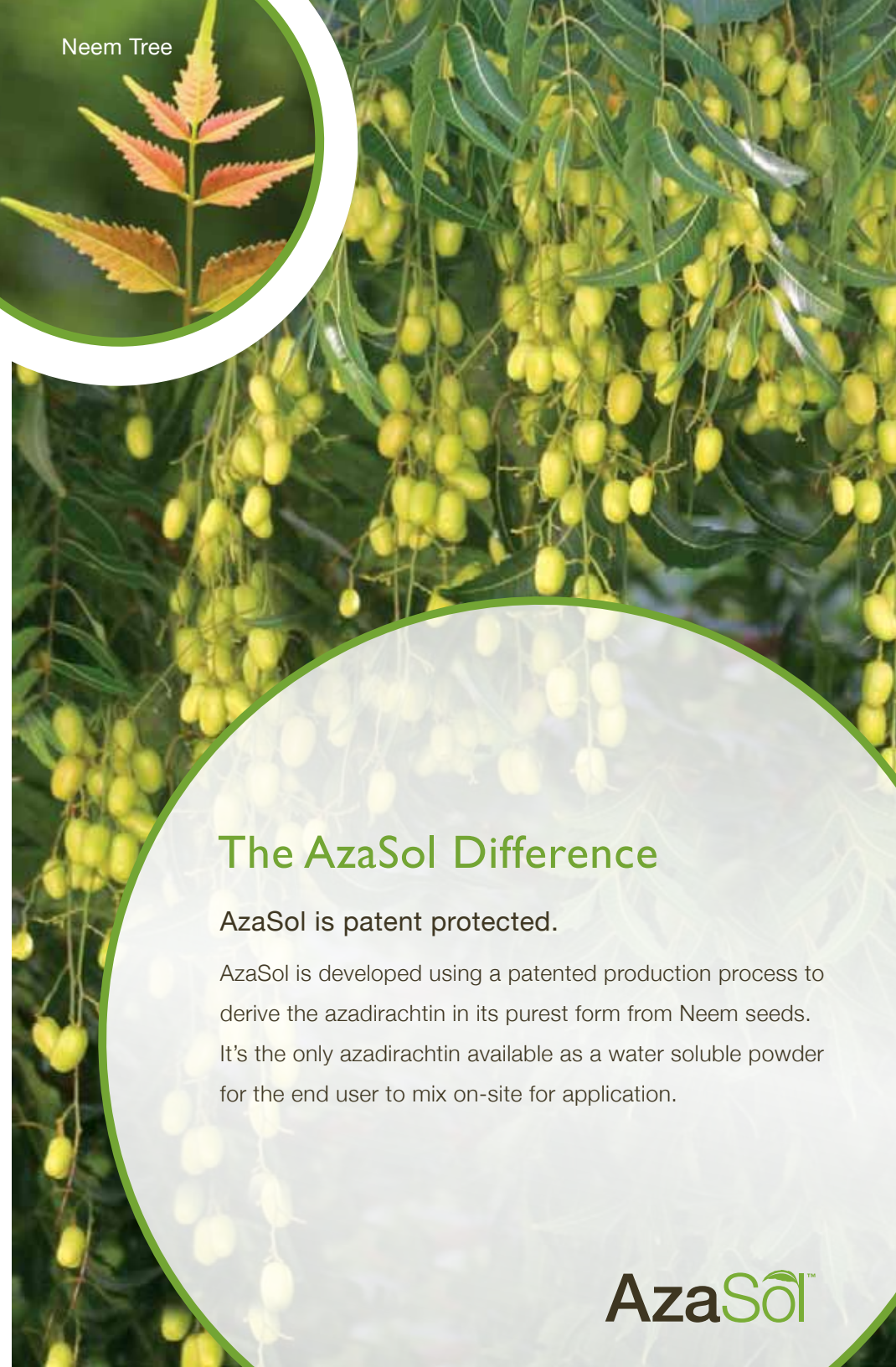
AzaSol comes from quality Neem.

AzaSol azadirachtin comes from Neem trees growing in the best environmental conditions in the Peninsular region in India. These genetically superior Neem trees contain highly potent azadirachtin used in the AzaSol production process.

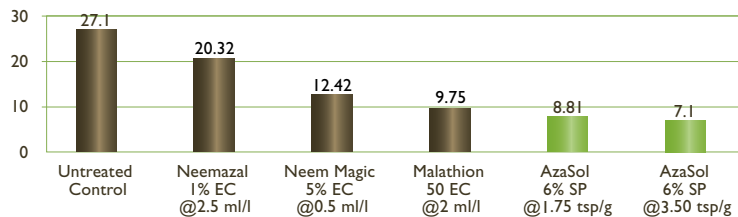
Controlling Borers

Fruit and Shoot Borer

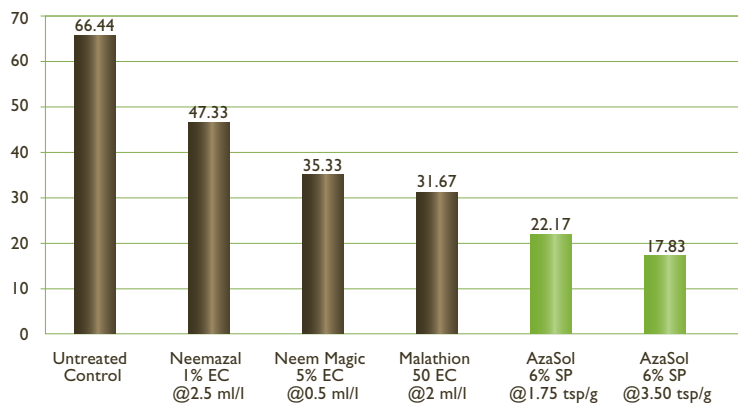
Results of a field experiment showed that AzaSol sprayed at 1.75 tsp and 3.5 tsp/gallon were superior in reducing the shoot and fruit borer incidence and enhancing the fruit yield.



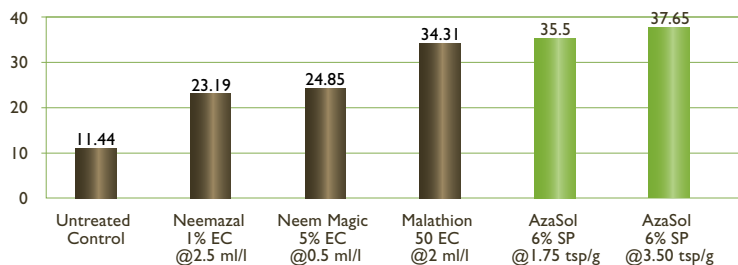
Shoot borer incidence (%) Avg. over 57 days



Fruit borer incidence (%) Avg. over 120 days



Fruit Yield (quantity/acre)



The AzaSol Difference

AzaSol is patent protected.

AzaSol is developed using a patented production process to derive the azadirachtin in its purest form from Neem seeds. It's the only azadirachtin available as a water soluble powder for the end user to mix on-site for application.

AzaSol[™]