



BROAD-SPECTRUM, CONTACT INSECTICIDE-MITICIDE & REPELLENT

GARLIC OIL-BASED TECHNOLOGY

GEMSEI™ is a garlic oil-based insecticide-miticide and powerful repellent that controls and repels a wide range of pests such as lepidopteran and other soft-bodied insects on a variety of specialty crops. The powerful effect of GEMSEI comes from its complex formulation designed with a unique garlic oil composed of a high amount of four key organosulfur active compounds that give GEMSEI its set of modes of action.

GEMSEI plays a major role in IPM Programs limiting the likelihood of target pests developing pesticide resistance, with a minimal impact on beneficial insects and the environment.

THE DIFFERENCES

- Highly selected garlic oil source and screening of biologically active compounds
- Unique and consistent composition of the biologically active constituents
- Strong understanding of the active ingredients and relative concentrations
- Effective formulation development with consistent performance.

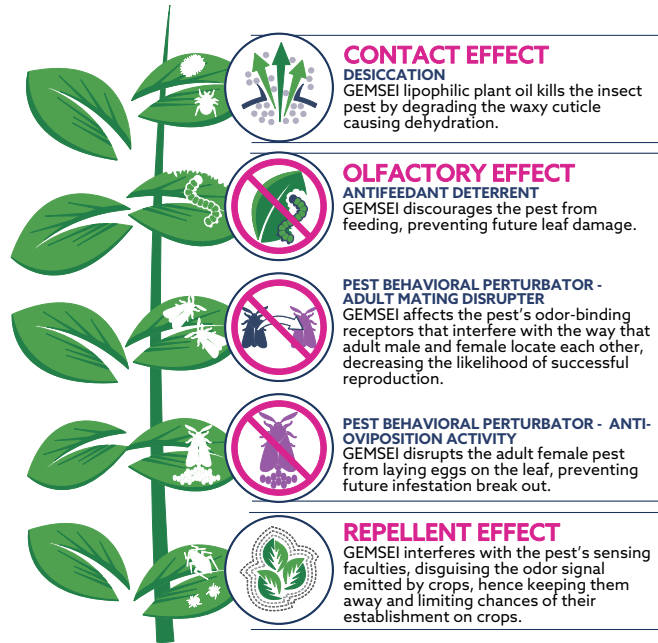
ACTIVE INGREDIENT:

•Garlic Oil.....6.00%

TARGET PESTS CONTROLLED:

Broad-spectrum control and repellency of soft-bodied insects and mites, including but not limited to aphids, thrips, whiteflies, flies, scales, mealybugs, various species of caterpillars, moths, leafhoppers, psyllids, beetles (weevils, borers), plant bugs, chinch bugs, and grasshoppers. (See the label for the full list).

MODES OF ACTION



Convenient to Use



Workers Safety



No Sensory Impact



MRL Exempt



Compatible With Most of Beneficials



No Phytotoxicity Observed



Excellent Pest Resistance Management Tool



DIRECTIONS FOR USE

Integrated Pest Management

Gemsei™



EPA Reg. No. 91473-3 EPA - Est. No. 8596-IA-001

ALWAYS READ AND FOLLOW ALL LABEL DIRECTIONS / SHAKE WELL BEFORE USE / MUST BE DILUTED BEFORE USING / USE DILUTION IMMEDIATELY / DO NOT STORE DILUTED SOLUTION

APPLICATION TYPES: GROUND – AERIAL – CHEMIGATION

FOR FOLIAR APPLICATION: Use most common ground application equipment, such as tractor mounted boom, air-blast high clearance, hose-end, backpack, etc For best results, a sufficient spray volume and an adequate spray pressure are needed to ensure complete and thorough coverage of all plant surfaces including both the top and bottom of the leaves.

APPLICATION TIMING:

- Start applications at the first appearance of pests; do not wait until plants are heavily infested
- Early morning or late afternoon
- At any time up to and including the day of harvest
- In between other sprays in an IPM program to reduce insect resistance

TANK MIX: CAN BE APPLIED ALONE OR IN COMBINATION WITH OTHER CHEMICAL INSECTICIDES.

GEMSEI™ is compatible with most commonly used insecticides and miticides, but a jar test for compatibility and phytotoxicity is recommended before using. Follow the strictest label directions.

pH: For optimal product efficacy we recommend adjusting the pH of the water solution to neutral or slightly acid (around 6-6.5).

USE SITES: *(Refer to the label for full list)*

- For indoor and outdoor
- Food and non-food crops

RECOMMENDED APPLICATION RATES:

- A minimum of 30 gallons of total spray volume per acre
- Maximum rate: 64 fl. oz per acre
- Ensure mixed solution maintains the same ratio of GEMSEI to water if mixing more than 100 gallons
- Repeat applications as required to maintain an effective control (5 days as a minimum interval application).

PREVENTATIVE	LOW PRESSURE	MODERATE TO SEVERE PRESSURE
< Economic threshold	At economic threshold	> Economic threshold
Recommended Rates: 100 gallons of water per acre		
0.125%	0.25%	0.375-0.5%
16 fl. oz	32 fl. oz	48-64 fl. oz
5-7 days interval	5-10 days interval	5-7 days interval

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CROP TECHNOLOGIES

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