

Nemasol™ soil fumigant

A proven soil-care solution for healthy, fertile pineapple farms

It doesn't matter who you are or where you live—every successful harvest starts with fertile, healthy soil. When applied appropriately, soil fumigants can help maintain optimized soil conditions.

A mainstay of Eastman's soil care solutions, Nemasol™ soil fumigant offers a broad-spectrum solution for integrated soil management. As a residue-free solution, it's an effective way to control weeds, soilborne diseases, and pests compatible with IPM (integrated pest management)—all without interfering with pollinators like honeybees.

• Effective and economic

Residue-free control of weeds, soilborne diseases, and pests in a single application

• Versatile in application, consistent in result

A broad-spectrum solution for integrated soil management

• Improved yield with faster turnover rate of land

Rebalances soil, so crops can establish themselves faster and more vigorously

• A trusted solution from a global innovator

Security of supply, shared expertise, and steadfast stewardship

Biological activity

Nemasol provides protection against a vast catalog of soil-inhabiting plant pathogenic organisms such as nematodes and fungi. It also allows for the control of weeds and their seeds. Examples include:

Nematodes	Fungi	Weeds
<i>Meloidogyne</i> spp.	<i>Fusarium</i> spp.	<i>Amaranthus</i> spp.
<i>Heterodera</i> spp.	<i>Phytophthora</i> spp.	<i>Solanum</i> spp.
<i>Paratylenchus</i> spp.	<i>Pythium</i> spp.	<i>Portulaca</i> spp.
<i>Pratylenchus</i> spp.	<i>Sclerotinia</i> spp.	<i>Orobancha</i> spp.
<i>Rotylenchulus</i> spp.	<i>Verticillium</i> spp.	<i>Echinochloa</i> spp.
<i>Helicotylenchus</i> spp.		<i>Cyperus</i> spp.
		<i>Lolium temulentum</i>

Nemasol can also help control bacteria (*Erwinia* spp.) and insects (symphylans, weevils, and *Phyllophaga*).

Figure 1. Efficacy of Nemasol against symphylans

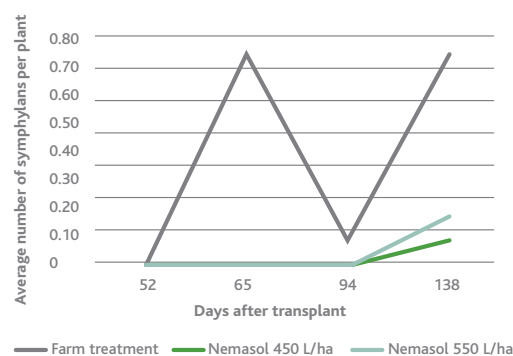


Figure 2. Efficacy of Nemasol against *Pratylenchus* spp., *Helicotylenchus* spp., and *Meloidogyne* J2

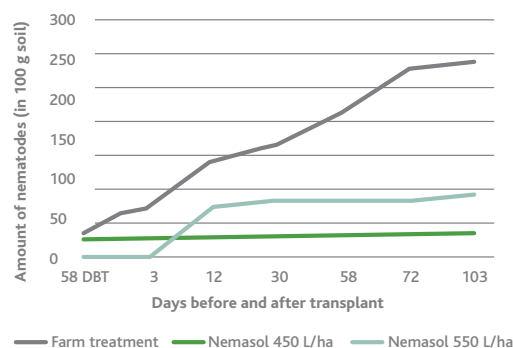
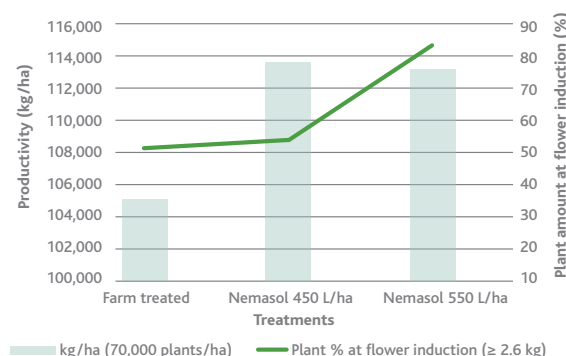


Figure 3. Effect of Nemasol on plant weight at flower induction and productivity



Chemistry inspired by nature

Nemasol contains metam sodium, an *N*-methyldithiocarbamate salt. Once applied, Nemasol decomposes into methyl isothiocyanate (MITC), the major gaseous active metam metabolite known to act as a broad-spectrum soil disinfectant.

Isothiocyanates occur in our natural environments. They originate from glucosinolates that can be found in *Brassica* species such as broccoli, cabbage, cauliflower, rapeseed, and mustard.

Process for using Nemasol



1. Soil preparation

Remove old crop debris, and moisten the soil if necessary.



2. Nemasol application

Apply the product into the soil and seal the surface.



3. Waiting period

2–6 weeks



4. Seeding or planting

Application technology

Nemasol is applied to bare soil via injection technology, providing one-step control of weeds, soilborne diseases, and pests while simultaneously forming beds ready for planting.

At Eastman, we're committed to product stewardship. Our dedicated crop protection team can provide you with information and documentation on the correct and safe application of our products. We can also help you access our injection technology or design your own injection equipment.



Reference your Metam Stewardship Manual at eastman.com/Nemasol for more information on application methods or contact your local Eastman representative. Application conditions and guidelines can vary, depending on your country's registration. Always consult the label and the respective authority website before use.

Learn more at eastman.com/Nemasol.

EASTMAN

The results of insight™

Eastman Corporate Headquarters
P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

U.S.A. and Canada, 800-EASTMAN (800-327-8626)
Other locations, +(1) 423-229-2000

www.eastman.com/locations

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