

BIOLOGICAL CONTROL OF PLANT-PARASITIC NEMATODES

LALNIX ACT DC is a biological nematicide used to control plant-parasitic nematodes; microscopic, worm-like organisms that feed on plant roots and can cause extensive crop damage. It is registered for the control of the following pests:

- | | |
|-----------------------------|-------------------------|
| ✓ Awl nematodes | ✓ Ring nematodes |
| ✓ Burrowing nematode | ✓ Root-knot nematodes |
| ✓ Citrus nematode | ✓ Spiral nematodes |
| ✓ Cyst nematodes | ✓ Stem nematode |
| ✓ False root-knot nematodes | ✓ Sting nematode |
| ✓ Lance nematodes | ✓ Stubby root nematodes |
| ✓ Lesion nematodes | ✓ Stunt nematodes |
| ✓ Reniform nematode | |

Refer to the product label for the complete list of pests and crops.

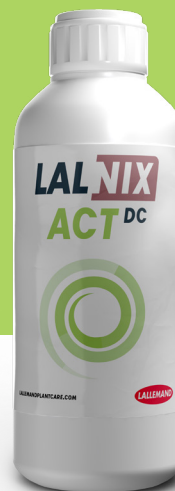
ADVANTAGES

- A naturally occurring fungus that is a highly effective parasite of nematodes at all life stages, especially immobile stages such as eggs, cysts, and infectious juveniles.
- An excellent IPM tool that can be used pre-plant, at transplant, or post-planting.
- Not harmful to non-target or beneficial species, soil profile, or the environment.

MODES OF ACTION

- Spores of the fungus adhere to nematode eggs or the bodies of nematodes as they move through the soil.
- The spores germinate and penetrate the nematodes.
- The growing fungus engulfs the nematode over a period of several days, killing it by consuming its body contents.

Outdoor



CHARACTERISTICS

EPA Registered

Active Ingredient

Purpureocillium lilacinum strain 251

Guarantee

> 4.7 x 10¹⁰ spores/g

Package Size

34 fl. oz (1 L)

Storage information

Store sealed in the original packaging. The minimum guaranteed shelf life from the date of manufacture is 6 months when stored at or below 86°F and 2 years when stored at or below 68°F.

Always read and follow label instructions.

RECOMMENDED CROPS



Field-Grown
Fruit & Vegetables



Ornamentals



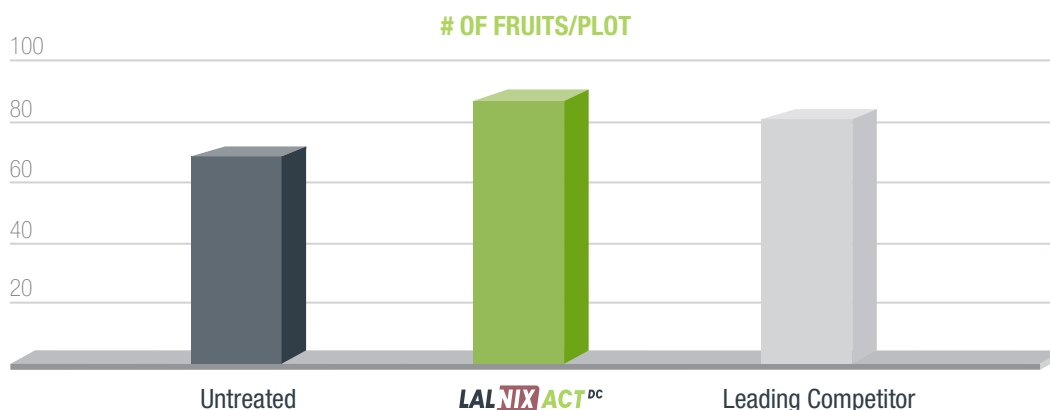
Greenhouse
Fruit & Vegetables



Fruit & Nut
Trees

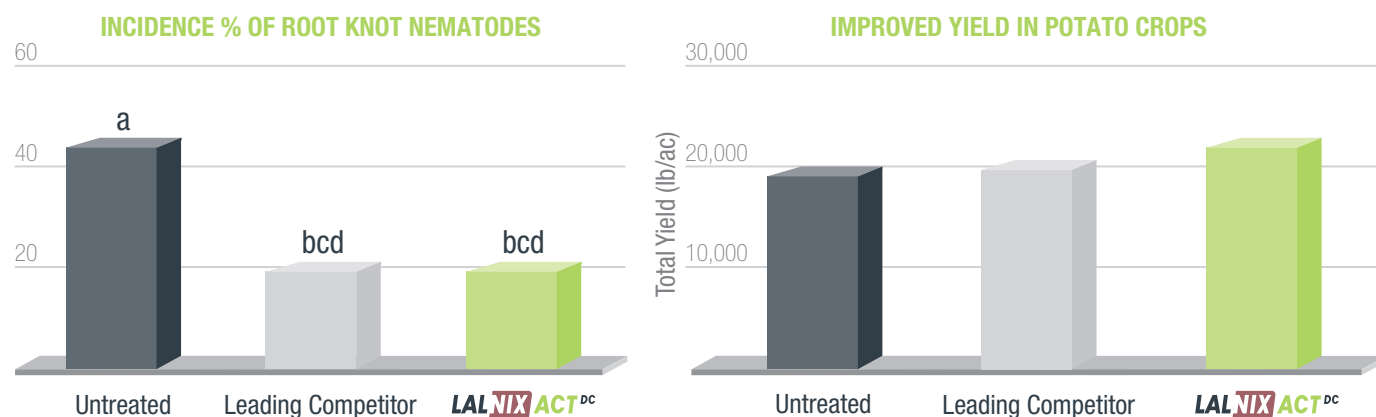
TRIAL RESULTS

EFFICACY ON TOMATO YIELD - TALLASSEE, AL



CONCLUSION: Treatments with LALNIX ACT DC resulted in a greater yield than the leading competitor.

EFFICACY ON POTATO YIELD - SCHREIBER, WA



CONCLUSION: A single application of LALNIX ACT DC significantly reduced nematode damage and increased potato yield compared to the untreated and competitor treatments.

APPLICATION

- Application objective is to deliver the fungal spores to the root system. Water is the best transport medium to move the fungal spores into the root zone.
- Recommended application rate is 10.25 fl. oz/acre.
- Drip irrigation or other soil directed irrigation systems are recommended.
- The product can be applied via soil directed spray followed by drenching or mechanical operation before sowing or planting.

About Lallemand Plant Care

For over 100 years, Lallemand has been an expert in yeast and bacteria manufacturing. It is now a global leader in the development, production, and marketing of microorganisms for various industries. Using sound science and know-how, Lallemand Plant Care provides effective microbial-based solutions that deliver agronomic, economic, and sustainable value to growers.