

Novozymes Actinovate®

Product overview

Enhance your integrated pest management system with Actinovate, a naturally-occurring *Streptomyces*-based biological powerhouse with multiple modes of action. Flexible and easy to use, Actinovate products suppress/control a broad range of soil and foliar diseases across multiple crops. With Actinovate there's no risk of developed resistance, it's safe for pollinators and other beneficial insects.

Features & benefits

- NEW for 2023 – 2-year shelf life
- Beneficial bacteria with multiple modes of action
- 0-day pre-harvest interval (PHI)
- 4-hour restricted entry interval (REI)
- Broad spectrum activity on both soil and foliar diseases
- Suitable for integrated pest management systems
- Immediate plant-back

What is Actinovate®?

- Actinovate consists of the active *Streptomyces lydicus* strain WYEC 108, which colonizes roots and plant tissues.
- *Streptomyces* feed on dead plant matter and utilize surrounding material to grow along with roots and plant cells.
- Actinovate produces iron scavenging siderophores, as well as a secondary metabolite Chitinase, which is an enzyme that actively breaks down chitin in the pathogens cell walls. With this combination of Chitinase and siderophore production, it actively seeks out and kills pathogens.

Package & application

Actinovate® AG – agricultural and greenhouse uses	12 x 18 oz (510 g) bags 4 x 5 lb (2.27 kg) bags
Actinovate® Lawn and Garden – residential home and garden uses	12 x 18 oz (510 g) bags 12 x 2 oz (57 g) bags
Actinovate® SP – nursery, turf and ornamental uses	12 x 18 oz (510 g) bags

Application rate varies by crop; see specific Actinovate label for details.



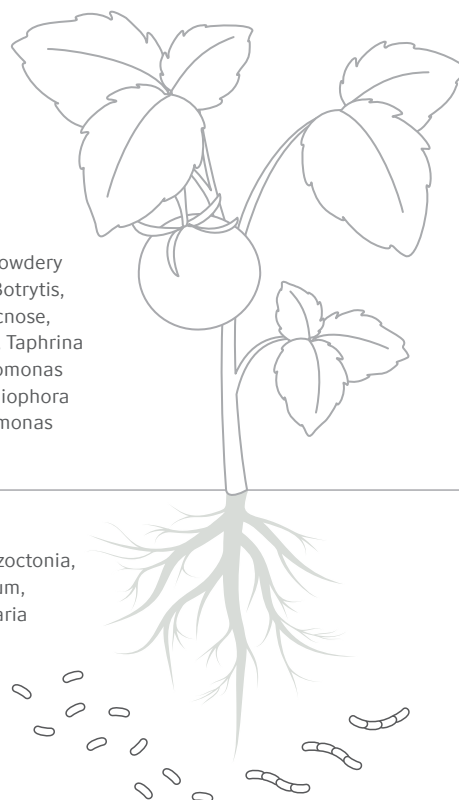
Actinovate® is OMRI-Listed

Active ingredient	<i>Streptomyces lydicus</i> strain WYEC 108
Formulation	Water soluble powder

Disease targets of Actinovate®

Aerial: Monilina, Powdery & Downy Mildew, Botrytis, Alternaria, Anthracnose, *Erwinia amylovora*, *Taphrina deformans*, *Xanthomonas fragariae*, *Plasmodiophora brassicae*, *Pseudomonas syringae*

Soil: Pythium, Phytophthora, Rhizoctonia, Sclerotinia, Fusarium, Verticillium, Alternaria





Robust biocontrol solutions, healthy crops

Novozymes microbial biocontrol solutions provide robust protection against various soil and foliar diseases. The solutions consist of microbes, notably bacteria, that target damaging pests and keep crops healthy.

About Novozymes

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow.

