

**Biopesticides labeled for managing diseases of vegetable crops. They are broadly labeled for most vegetable crops. Most are labeled for multiple diseases; a few have targeted activity. Most are approved for organic production and are assigned to FRAC Group number NC (not classified).**

Trade Name	Common Name	Labeled Uses <sup>1</sup>	EPA Reg. No.
Actinovate AG	<i>Streptomyces lydicus</i> strain WYEC 108	Foliar and soil fungal diseases	73314-1
BacStop	Thyme and other botanical oils	Bacterial diseases	Exempt
Bio-Tam	<i>Trichoderma asperellum</i> strain ICC 012 and <i>Trichoderma gamsii</i> strain ICC 080	Soil diseases	80289-9-69592
Cease <sup>2</sup>	<i>Bacillus subtilis</i> strain QST 713	Foliar, greenhouse	69592-19-68539
Companion <sup>2</sup>	<i>Bacillus subtilis</i> strain GB03	Foliar and soil diseases	71065-3
Contans	<i>Coniothyrium minitans</i> strain CON/M/91-08	White mold	72444-1
Double Nickel 55 LC <sup>2</sup>	<i>Bacillus amyloliquefaciens</i> strain D747	Foliar and soil diseases	70051-107
Kaligreen	potassium bicarbonate	Powdery mildew	11581-2
MeloCon	<i>Paecilomyces lilacinus</i> strain PL251	Nematodes	72444-2
Mildew Cure	Cottonseed and other botanical oils	Powdery mildew	Exempt
M-Pede	Potassium salts of fatty acids	Powdery mildew	10163-324
Mycostop	<i>Streptomyces griseoviridis</i> strain K61	Soil diseases	64137-5
Organocide	sesame oil	Foliar fungal diseases	Exempt
Oso <sup>3,5</sup>	polyoxin D zinc salt	Foliar fungal diseases	68173-4-70051
OxiDate	hydrogen dioxide	Foliar and soil diseases	70299-2
OxiDate 2 <sup>5</sup>	peroxyacetic acid and hydrogen peroxide	Foliar diseases; surface disinfection; water and post-harvest treatment	70299-12
Prestop	<i>Gliocladium catenulatum</i> strain J1446	Foliar and soil diseases	64137-11
Procidic	Citric acid	Foliar and damping-off	Exempt
Regalia <sup>4</sup>	Extract of <i>Reynoutria sachalinensis</i>	Foliar and soil diseases	84059-2
Rendition <sup>5</sup>	peroxyacetic acid and hydrogen peroxide	Foliar diseases; surface disinfection; water and post-harvest treatment	68660-14-70051
RootShield Plus WP	<i>Trichoderma harzianum</i> Rifai strain T-22 and <i>Trichoderma virens</i> strain G-41	Soil diseases	68539-9
Serenade Opti <sup>2</sup>	<i>Bacillus subtilis</i> strain QST 713	Foliar and soil diseases	264-1160
Serenade Soil <sup>2</sup>	<i>Bacillus subtilis</i> strain QST 713	Soil diseases	264-1152
SoilGard	<i>Gliocladium virens</i> strain GL-21	Soil diseases	70051-3
Sonata	<i>Bacillus pumilus</i> strain QST 2808	Foliar fungal diseases	264-1153
Taegro <sup>2</sup>	<i>Bacillus subtilis</i> var. <i>amyloliquefaciens</i> strain FZB24	Soil diseases	70127-5
Trilogy	extract of neem oil	Foliar fungal diseases	70051-2
Zonix biofungicide	Rhamnolipid Biosurfactant	Diseases caused by Oomycete pathogens	72431-1

**FOOTNOTES:**

<sup>1</sup> 'Foliar' refers to diseases caused by fungal and bacterial pathogens when not specified otherwise. All soil diseases are caused by fungi.

<sup>2</sup> FRAC Group 44. <sup>3</sup> FRAC Group 19. <sup>4</sup> FRAC Group P5.

<sup>4</sup> Not approved for organic production.

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