

2026 Fungicides labeled for Cucurbit Downy Mildew. Most also labeled for Phytophthora Blight Control in cucurbits. Products in **RED are labeled for organic use but you should check with your certifying agency to be sure.** More organic controls can be found at: <https://www.vegetables.cornell.edu/crops/cucurbits/downy-mildew-of-cucurbits/list-of-biopesticides-for-organic-production/>

Fungicide	FRAC Code	Recommended Rate/Acre	REI	PHI	Seasonal Limits	Adjuvant Recommendations
<i>Chlorothalonil (Bravo Weather Stik, Praiz etc.)</i>	M5	1.5 -2 pints*	12 hours	See label	21 pints per acre	Please note the “Special Eye Irritation Provisions” on the labels. *When using in combination with a Powdery Mildew material, 2-3 pints should be used.
Ranman 400 SC ¹ (cyazofamid)	21	2.75 fluid ounces	12 hours	0 days	6 sprays	Organosilicone or non-ionic surfactant. No more than 3 consecutive applications
Mancozeb (Dithane DF, Roper DF etc.)	M3	See your specific product label for this information.				
<i>Orondis Ultra¹ (oxathiapiprolin + mandipropamid)</i>	49 + 40	5.5 – 8.0 fluid ounces	4 hours	0 days	See label for special notes	non-ionic or organosilicone surfactant. Should also be mixed with a copper fungicide. 4 sprays or 33% of all applications containing Orondis products
<i>Orondis Opti (oxathiapiprolin + chlorothalonil)</i>	49+M5	1.75 – 2.5 pt	12 hours	0 days		4 sprays or 33% of all applications containing Orondis products <u>Orondis Opti is not labeled for Phytophthora blight</u>
<i>Tanos 50 DF¹ (cymoxanil + famoxadone)</i>	27 + 11	8 ounces	12 hours	3 days	4 sprays	
Omega 500 SC ¹ (fluazinam)	29	0.75 – 1.5 pt	12 hours	See notes	No more than 7.5 pints per acre or 4 applications	PHI – 7 days pumpkins, cucumbers, squash; 30 days melons and watermelons. Omega is more expensive than other fungicides.
<i>Curzate 60 DF¹ (cymoxanil)</i>	27	5 ounces	12 hours	3 days	9 sprays	Include with one of the other materials listed if DM is detected because this product has a very short residual but has exhibited some burnout activity. <u>Not labeled for Phytophthora blight</u>
Zampro ¹ (ametoctradin + dimethomorph)	40 + 45	14 fluid ounces	12 hours	0 days	3 sprays	Do not apply more than 2 consecutive applications before switching to a fungicide with different FRAC code.
Zing! (zoxamide +	22 + M5	36 fluid ounces	12 hours	0 days	8 sprays	Actual rate of chlorothalonil is below the recommended rate to control CDM or

chlorothalonil)						Powdery Mildew. Add 0.43 – 1.43 pints Bravo WeatherStik to the tank to achieve the rate of chlorothalonil required to control these diseases. <u>Not labeled for Phytophthora blight</u>
Phostrol, ProPhyt, Fosphite (phosphorus acid containing products)	P 07	2.5-5.0 pints*	4 hours	0 days	7 sprays	*Rates vary depending on product used. Please review the label for the correct rates.

Copper—Various formulations please see labels for more information

Regalia Biofungicide	NA	1—4 quarts	4 hours	0 days	NA	Should be applied with copper fungicide
Serenade ASO Bacillus subtilis str QST 713)	NA	2—6 quarts – see label for rates.	4 hours	0 days	NA	Only labeled for <i>Phytophthora parasitica</i> so knowing which species you have is important!
Actinovate AG (<i>Streptomyces lydicus</i> WYEC 108)	NA	3 –12 fluid ounces	1 hour or until dry	0 days	NA	

¹ Should mix with a protectant partner such as chlorothalonil.

None of the above fungicides will control Powdery Mildew with the exception of fungicides with chlorothalonil or copper, Regalia Biofungicide, Serenade ASO and Actinovate AG.

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