



Fungicides for the Control of Downy Mildew of Cucurbits

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Common Name	Trade Name(s)	FRAC Code ¹	Rate (per Application per Acre)	Maximum Number of Sequential Applications	Maximum Number of Applications per Crop	Maximum Amount per Acre per Crop	PHI ² (days)	Efficacy ³	Practice Resistance Management ⁴
azoxystrobin	Amistar Quadris	11	3.5-5 oz 11-15.4 fl oz	1	4	1.88 lb 2.88 qt	1	++	yes
chlorothalonil	various 54% LF 82.5% WDG or DF	M	1.5-2.0 pt 1.4-1.8 lb	none	14	21 pt 19.1 lb	0	++	
cyazofamid	Ranman	21	2.1-2.75 fl oz	3	6	16.5 fl oz	0	++++	
dimethomorph	Acrobat Forum	15	6.4 oz 6 oz	2	5	32 oz 30 oz	0	+ Must be tank mixed with another fungicide	
famoxadone + cymoxanil	Tanos	11 + 27	8 oz	1	4	32 oz	3	++++	
fenamidone	Reason	11	5.5 fl oz	1	4	22 fl oz	14	++++	yes
fosetyl-AI	Aliette	33	2-5 lb	none	7		0.5	+	
fixed copper	various 37.5% FL 46.1% DF 53.8% DF 61.4% DF 77% WG	M	1-2 pt 0.5-1.25 lb 1-2.25 lb 1.5-3 lb 1.5-3 lb	none	none	none	1	+	
mancozeb	various 37% F 75% DF 80% WP	M	1.6-2.4 qt 2-3 lb 2-3 lb	none	12	19.2 qt 24 lb 24 lb	5	+++	

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mancozeb + copper	ManKocide	M + M	2.0-2.5 lb	none		128 lb	5	+++	
maneb	Maneb Manex	M	1.5-2 lb 1.2-1.6 qt	none		12.8 lb 12.8 qt	5	+++	
mefenoxam + chlorothalonil	Ridomil Gold Bravo Flouronil	4	2 lb	1	4		0	+++++	yes
mefenoxam + fixed copper	Ridomil Gold Copper	4 + M	2 lb	1	4		5	++	yes
mefenoxam + mancozeb	Ridomil Gold MZ	4 + M	2.5 lb	1	4		5	+++	yes
propamocarb	Previcur Flex	4 + M	1.2 pt	none		6 pt	2	++++	
pyraclostrobin	Cabrio	11	8-12 oz	1	4	64 oz	0	++++	yes
pyraclostrobin + boscalid	Pristine	7 + 11	12.5-18.5 oz	1	4	74 oz	0	+++	yes
trifloxystrobin	Flint	11	4 oz	1	4	1 lb	0	+ For disease suppression only	
zoxamide + mancozeb	Gavel	22 + M	1.5-2.0 lb	8		16 lb	5	++++	

¹ Fungicide Resistance Action Committee Codes are based the fungicide's mode of action and risk that pathogens will develop resistance to it. When alternating fungicides, do not alternate between those with the same FRAC Code.

² Preharvest interval.

³ + = Poor; ++ = Fair, +++ = Good; ++++ = Very good, +++++ = Excellent.

⁴ Resistance may develop to these fungicides and reduce their efficacy. Follow resistance management strategies described on the label.