

Zampro 525SC	45 + 40	2	3	REI	12	N	X	X	\$3.50	oz	140 oz	14	fl oz	\$49	10					R			R		
Zing! 4.9 SC	22 + M5	2	8	REI	12	N	X		\$64.00	gal	2.5 gal	36	fl oz	\$18	8.9					R			R		

PROTECTANT (contact) Fungicides; generally recommended used with targeted fungicides listed above:

Bravo Weather Stik	M5	-	7-14	REI	12				\$44.55	gal	2.5 gal	1.5-3	pt	\$8-17	6.7-13.3	R	R	R			R			R	R
Chlorothalonil 720	M5	-	7-14	REI	12				\$42.00	gal	2.5 gal	1.5-3	pt	\$8-16	6.7-13.3	R	R	R			R			R	R
Cueva	M1	-	16-66	REI	4				\$52.00	gal	2.5 gal	0.5-2	gal	\$26-104	1.3-5	R		R	R	R	RO			RO	R
ManKocide	M3 + M1	-	5-8	5	48		X		\$9.80	lb	30 lb	2-3	lb	\$20-29	10-15		R	R	R		R			R	R
Manzate Pro-Stick	M3	-	8	5	24				\$5.80	lb	30 lb	2-3	lb	\$12-17	10-15		R	R			R				R
Manzate Max liquid	M3	-	8	5	24		X		\$48.60	gal	2.5 gal	1.6-2.4	qt	\$19-29	4.2-6.3		R	R			R				R
Microthiol Disperss	M2	-	-	REI	24				\$2.00	lb	30 lb	2-10	lb	\$4-20	3-15										R
Kocide 3000-O	M1	-	14-35	REI	48				\$11.00	lb	10 lb	0.5-1.25	lb	\$6-14	8-20		R	R	R		RO			R	RO
Badge X2	M1	-	7-37	REI	24	Y			\$9.20	lb	10 lb	0.5-2.5	lb	\$5-23	4-20		R	R	R		RO			R	RO

Maximum # of consecutive applications: - = no limitation on label, but rotating with other chemistry is usually recommended in the Resistance Management section. na = not applicable.
 Manzate Max is classified as restricted use in NY because label limits use to commercial/professional applicators. State regs require that products with this label limitation are automatically restricted-use in NY. Manzate Pro-Stick doesn't have this wording.
 Labeled for use in greenhouse: Y = Yes, N = No, blank indicates no information found on the label which should be checked before using in a greenhouse, and also recommended to check with company rep when no information about greenhouse use.
 PHI = REI when labeled PHI is 0 days because harvest is not an acceptable practice during the REI period.
 Disease section: R = recommended, RO = recommended for organic production (there are more effective conventional fungicides), R? = resistance detected in pathogen so recommended on farms where fungicide has had limited use, R? for downy mildew indicates pertains to specific crops, nr = not recommended, L = labeled, S = suppression. Some fungicides not recommended for DM on some crops because of resistance.

*** Comments about specific products:**

Inspire Super 2.82 EW: greenhouse use for cucumbers only
 Microthiol Disperss: labeled rates are 2-4 lb/A for cucumber and 5-10 lb/A for pumpkins + squash; 5 lb/A is sufficient based on level of control achieved in efficacy trials conducted at LIHREC.
 Ridomil Gold Bravo: not recommended for any labeled diseases because resistance is considered to be widespread in the downy mildew pathogen, which is the only one that the FRAC 4 ingredient had activity for in the past. Bravo or other fungicide with chlorothalonil are recommended for other diseases.
 Topguard EQ: Rhyme which has same FRAC 3 ingredient is recommended for powdery mildew.

Prepared 2-15-23 by Margaret Tuttle McGrath, Cornell University