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Control Series 72

GENERAL SPRAY SCHEDULE FOR CONTROL OF GRAPE DISEASES

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Spray No.	When to Spray	Fungicides and rate of usage per	Commercial	Homeowners	Disease	Remarks
			growers 100 gal water	1 gal water		
1	Dormant (before buds open)	Bordeaux mixture (copper sulfate plus hydrated lime) <i>or</i> dry-lime-sulfur	8 lb	1.3 oz	Anthracnose	This spray is necessary only in those vineyards where anthracnose has been a problem.
			8 lb	1.3 oz		
			30 lb	0.3 lb		
2	When new shoots are 1-2" long	Folpet 50% WP <i>or</i> Ferbam 76% WP <i>or</i> Captan 50% WP <i>or</i> Dithane M-45 80% WP	2 lb	2 Tablespoons	Anthracnose	Residue tolerance: Dithane M-45 7 ppm; Captan 50 ppm; Folpet 25 ppm; and Ferbam 7 ppm. Waiting period: Captan no limitation; Folpet no limitation; Ferbam 7 days before harvest; and Dithane M-45 66 days before harvest.
			2 lb	2 Tablespoons	Black rot	
			2 lb	2 Tablespoons	Dead arm	
			2 lb	2 Tablespoons		
3	When new growth is 6-8" long	Same as 2 above	Same as 2 above	Same as 2 above	Anthracnose	Same as 2 above.
					Black rot Downy mildew *Powdery mildew	
4	Just before blossoms open	Same as 2 above	Same as above	Same as 2 above	Black rot Mildews	Same as 2 above.
5	Just after bloom	Same as 2 above	Same as above	Same as above	Same as 4 above	Same as 2 above.
6	Before berries touch in cluster (pea size)	Same as 2 above	Same as above	Same as above	Same as 4 above	Same as 2 above.
7	2 weeks later (berries touch in cluster)	Same as 2 above	Same as above	Same as above	Same as 4 above	Same as 2 above.
8 P L U S	At 2-week intervals until harvest	Same as 2 above	Same as above	Same as above	Bitter rot Ripe rot Black rot Mildew	Same as 2 above.

*Captan or ferbam is not as effective for powdery mildew control as folpet. When powdery mildew is a severe problem, folpet is the preferred fungicide. Fixed copper 1.0 lb (actual) plus 4.0 lb hydrated lime also provides good control of powdery mildew. Folpet and Dithane-M-45 are not registered for anthracnose, bitter rot and Ferbam is not registered for anthracnose, dead arm, powdery mildew, bitter rot and ripe rot control, but if either of these chemicals are used to control downy mildew and black rot the above mentioned diseases will usually not be a problem. (Dithane M-45 is not registered for powdery mildew; similarly, Captan is not registered for anthracnose, powdery mildew, bitter rot and ripe rot control)

Trade and brand names are used only for the purpose of information and the Virginia Cooperative Extension Service does not guarantee nor warrant the standard of the product, nor does it imply approval of the product to the exclusion of others which may also be suitable.

KEYS TO PROPER USE OF PESTICIDES

1. Read the label on each pesticide container before each use. Follow instructions to the letter; heed all cautions and warnings, and note precautions about residues.
2. Keep pesticides in the containers in which you bought them. Put them where children or animals cannot get to them, preferably under lock and away from food, feed, seed, or other material that may become harmful if contaminated.
3. Dispose of empty containers in the manner specified on the label.

SEE YOUR DOCTOR IF SYMPTOMS OF ILLNESS OCCUR DURING OR AFTER USE OF PESTICIDES.

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