

LD
5255
A761
M1197
no. 114
SPECIAL
COLLECTION

GRAPE SPRAY CALENDAR

Black rot, the most serious disease of grapes in Virginia, is most evident just about the time that grapes ripen. Infection comes early in the season, however, and successful control depends on early and continued spraying. The fungus is carried over on old canes, leaves, and mummied grapes. All such material should be removed and burned; then apply spray No. 1. Remember that the first four sprays are most important.

NO.	TIME TO APPLY	MATERIALS FOR 3 GALLONS	MATERIALS FOR 12 GALLONS	TO CONTROL
1	Dormant season	3 pints liquid lime-sulfur or $1\frac{1}{2}$ pounds dry lime-sulfur	6 quarts liquid lime-sulfur or 6 pounds dry lime sulfur	Scale Diseases
2	When second or third leaf shows	1 to $1\frac{1}{2}$ ounces fer-mate** or 4 ounces powdered bluestone, 5 ounces hydrated lime, 1 ounce soy-bean flour*	4 to 6 ounces fer-mate or 1 pound powdered bluestone, $1\frac{1}{2}$ pounds hydrated lime, 4 ounces soy-bean flour *	Anthrac-nose Bitter rot Black rot Mildew
3	Immediately before blossoms open	Same as No. 2, plus $1\frac{1}{2}$ ounces 50% wet-table DDT powder or 2 ounces lead ar-senate	Same as No. 2, plus 6 ounces 50% wet-table DDT powder or 8 ounces lead ar-senate	Diseases Leafhop-per Berry moth Rose chafer
4	Immediately after blossoms fall	Same as No. 3	Same as No. 3	Same
5	Just before berries touch in cluster	Same as No. 3	Same as No. 3	Same
6	Where black rot has been unusually severe, it is suggested that Bordeaux** (2 ounces powdered bluestone and 3 ounces hydrated lime in 3 gallons of water) be applied at 2-week intervals after No. 5 and until 3 weeks before harvest.			

*Skim milk may be substituted for soybean flour and used at the rate of $\frac{1}{2}$ pint for a 3-gallon mixture.

**To remove spray residue, dip grapes in a solution of 1 part vinegar to 5 parts water; then rinse in clear water.

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