

**Timely Viticulture**

– Dormant – Pre-Bloom – Bloom – Post Bloom – Mid Season – Pre-Harvest – Harvest – Post Harvest – Dormant

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“Timely Vit” is designed to give those in the Maryland grape industry a timely reminder on procedures or topics they should be considering in the vineyard.

# Sample Wine Grape Spray Schedule - 2016

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The purpose of this TimelyVit is to help wine grape growers in Maryland to develop an effective fungicide spray program to manage a complex of the major fungal diseases affecting vines and fruit. The table below suggests a simple spray schedule for specific crops stages/calendar time frames, based on the assumptions below.

**Assumptions:**

- Downy Mildew likely resistant to strobilurin type fungicides and Pristine/Endura
- Powdery Mildew likely resistant to strobilurin type fungicides
- Botrytis likely resistant to strobilurin type fungicides
- Best products for ripe rot: Luna Experience, Pristine
- Best products for downy mildew: Ridomil Gold, Mancozeb, Presidio, phosphorous acid (second to Ridomil and Mancozeb—good preventative)
- Best products for powdery mildew: sulfur, Luna Experience, Quintec
- Varieties being sprayed are NOT sulfur sensitive
- **Disclaimer: Always read the pesticide label. The label is the law and users must follow all rates and restrictions according to label directions.**

Target Diseases:	Anticipated Pressure
Downy Mildew	Very High
Powdery Mildew	High
Phomopsis	Low
Black Rot	Low
Botrytis	Medium
Ripe Rot	High

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Crop Stage	Time Frame	Product	Rate/Acre
½- to 1-inch shoot	April 20	Mancozeb 75DF plus Sulfur	4 lbs. 3 lbs.
3-5 inch shoot growth	April 27	Captan 50WP plus Sulfur	4 lbs. 3 lbs.
6-10 inch shoot growth	May 4	Mancozeb 75DF plus Sulfur	4 lbs. 3 lbs.
12-17 inch shoot growth	May 11	Captan 50WP plus Sulfur	4 lbs. 3 lbs.
<b>Pre-Bloom (Critical)</b>	May 18	Mancozeb 75DF plus Pristine	4 lbs. 12 oz.
<b>Post-Bloom First Cover Spray (Critical)</b>	May 25	Captan 50WP plus Luna Experience	4 lbs. 8 oz.
Second Cover Spray	June 1	Ridomil Gold/MZ plus Switch	2.5 lbs. 12 oz.
Third Cover Spray	June 8	Presidio plus Revus Top	4 oz. 7 oz.
Fourth Cover Spray	June 15	Mancozeb 75DF plus Sulfur	4 lbs. 4 lbs.
Fifth Cover Spray	June 25	Phosphorous acid plus Sulfur	5 pts. 4 lbs.
Sixth Cover Spray	July 5	Phosphorous acid plus Sulfur	5 pts. 4 lbs.
Seventh Cover Spray	July 15	Phosphorous acid plus Elevate	5 pts. 1 lb.
Eighth Cover Spray	July 25	Phosphorous acid plus Sulfur	5 pts. 4 lbs.
Ninth Cover Spray	Aug 3	Quintec plus Phosphorous acid	4 oz. 5 pts.
Tenth Cover Spray	Aug 13	Captan 50WP	3 lbs.
Eleventh Cover Spray	Aug 23	Phosphorous acid plus Captan 50WP	5 pts. 3 lbs.
Pre-harvest	Sept 3	Phosphorous acid plus Captan 50WP	5 pts. 3 lb.

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