



COOPERATIVE EXTENSION SERVICE
UNIVERSITY OF KENTUCKY COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

Plant Pathology Fact Sheet

PPFS-FR-S-20

Commercial Grape Fungicide Spray Schedule Worksheet and Sample Spray Guides

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Growth Stage	Target Pathogen	Fungicide	FRAC
Dormant	A		
*Bud Break – Bloom	BR, P, PM, DM		
*Mid-Bloom	B, BR, P, PM, DM		
*Late-Bloom - Shatter	BR, P, PM, DM		
*First Cover (7-10 days after shatter)	BR, PM, DM		
*Second Cover ~ (10-14 days later)	BR, PM, DM		
Third Cover ~	BR, PM, DM		
Fourth Cover ~	BR, PM, DM		
Fifth Cover ~ (veraison)	B, PM, DM		
Sixth Cover ~	PM, DM		
Seventh Cover ~	PM, DM		
Eighth Cover ~	PM, DM		
Additional Covers ~	PM, DM	(If additional covers needed)	
Last Cover	PM, DM	(Remember PHI)	

Diseases/Target Pathogens

A – Anthracnose, B – Botrytis rot, BR – Black rot, P – Phomopsis, PM – Powdery mildew, DM – Downy mildew



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SAMPLE SPRAY SCHEDULE #1

Growth Stage	Target Pathogen	Fungicide
Dormant	A	Sulforix
1" Shoot	P	Mancozeb
3-5" Shoot	P, PM	Mancozeb + Quintec
*Bud Break – Bloom	BR, P, PM, DM	Revus Top (Abound may be substituted for American or hybrid grapes)
*Mid-Bloom	B, BR, P, PM, DM	Mancozeb + Endura (Pristine may be substituted)
*Late-Bloom - Shatter	BR, P, PM, DM	Mancozeb + Quintec
*First Cover (7-10 days after shatter)	BR, PM, DM	Revus Top (Abound may be substituted)
*Second Cover ~ (10-14 days later)	BR, PM, DM	Mancozeb + Forum
Third Cover ~	BR, PM, DM	Mancozeb + Quintec
Fourth Cover ~	BR, PM, DM	Mancozeb + Forum
Fifth Cover ~ (veraison)	B, PM, DM	Captan + Endura (Pristine may be substituted)
Sixth Cover ~	PM, DM	Captan + Quintec
Seventh Cover ~	PM, DM	ProPhyt + Endura
Eighth Cover ~	PM, DM	Revus Top (Abound may be substituted)
Additional Covers ~	PM, DM	ProPhyt + Endura (If additional covers needed)
Last Cover	PM, DM	ProPhyt (Remember PHI)

Diseases/Target Pathogens

A – Anthracnose, **B** – Botrytis rot, **BR** – Black rot, **P** – Phomopsis, **PM** – Powdery mildew, **DM** – Downy mildew

Notes

*Critical period for controlling primary infections. Stay on schedule.

~Space sprays 14 days apart in dry weather but 7-10 days apart in rainy weather.

**Do not use Flint, Pristine, or Revus Top on American or hybrid grapes

SAMPLE SPRAY SCHEDULE #2

Growth Stage	Target Pathogen	Fungicide	FRAC
Dormant	A	Sulforix	M
*Bud Break – Bloom	BR, P, PM, DM	Mancozeb + Rally	M + 3
*Mid-Bloom	B, BR, P, PM, DM	Pristine	7 + 11
*Late-Bloom - Shatter	BR, P, PM, DM	Mancozeb + Rally	M + 3
*First Cover (7-10 days after shatter)	BR, PM, DM	Pristine	7 + 11
*Second Cover ~ (10-14 days later)	BR, PM, DM	Mancozeb + Rally	M + 3
Third Cover ~	BR, PM, DM	Mancozeb + Endura	M + 7
Fourth Cover ~	BR, PM, DM	Captan + Quintec	M + 13
Fifth Cover ~ (veraison)	B, PM, DM	Pristine (veraison)	7 + 11
Sixth Cover ~	PM, DM	Captan + Quintec	M + 13
Seventh Cover ~	PM, DM	ProPhyt + Endura	33 + 7
Eighth Cover ~	PM, DM	Forum + Quintec	40 + 13
Additional Covers ~	PM, DM	ProPhyt + Endura <i>or</i> Pristine used alone	33 + 7
		(If additional covers needed)	
Last Cover	PM, DM	ProPhyt (Remember PHI)	33 + NC

Diseases/Target Pathogens

A – Anthracnose, **B** – Botrytis rot, **BR** – Black rot, **P** – Phomopsis, **PM** – Powdery mildew, **DM** – Downy mildew

Notes

*Critical period for controlling primary infections. Stay on schedule.

~Space sprays 14 days apart in dry weather but 7-10 days apart in rainy weather.

**Do not use Flint, Pristine, or Revus Top on American or hybrid grapes

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