

Updates to the 2017 Midwest Fruit Pest Management Guide

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Outline

- Introduction to the 2017 Spray Guide
- General comments
- Blueberries
- Weeds



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Introduction

- Who compiles the Guide? Fruit extension and research specialists from 13 universities
- The Guide is updated annually
- Locate the Guide at:
 - <https://ag.purdue.edu/hla/Hort/Documents/ID-465.pdf>
 - hard copy from local Extension office
- Check the online guide regularly – labels change and the online guide is updated accordingly



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Introduction

- Guide has sections...
 - Tips on using the guide
 - Tree Fruit spray schedules: apple, pear, cherry, peach, plum
 - Small Fruit spray schedules: grape, blueberry, bramble strawberry
 - REI and PHI for fungicides
 - REI and PHI for insecticides
 - Special insect control problems
 - Weed control in fruit crops

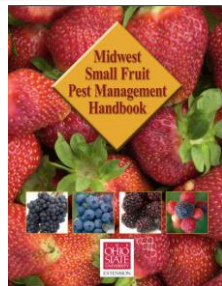
Midwest Fruit Pest Management Guide 2017	
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Midwest Small Fruit Pest Management Handbook

- Companion to the Midwest Small Fruit and Grape Spray Guide
- Available as a free download at: <https://ag.purdue.edu/hla/Hort/Documents/Midwest%20Small%20Fruit%20861%201-24-11.pdf>



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Changes in 2017 – General Comments

- Second year of a combined tree fruit and small fruit pest management guides
- Revised pesticide application equipment calibration section
- Increased emphasis on the importance of FRAC/IRAC code designations and resistance management

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Changes in 2017 – New Fungicide Labels

Trade Name	FRAC	Grape	Blueberry	Bramble	Strawberry
Aprovia	7	X			
Luna Experience	7 + 3	X			
Kenja 400SC	7	X			
OSO 5%SC		X			
AFrame	11		X		
AFrame Plus	3 + 11		X		
Proline 480SC	3		X		
Luna Privilege	7				X
Luna Sensation	7 + 11				X
Luna Tranquility	7 + 9				X
Protocol	1 + 3				X

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Changes in 2017 – New Fungicide Labels

- Fungicides with the same FRAC codes:
 - FRAC 1: Topsin
 - FRAC 3: Tebuzole, Rally, Mettle, Orbit, Tilt
 - FRAC 7: Endura,
 - FRAC 11: Abound, Flint, Sovran, Cabrio, Reason, Evito
 - FRAC 9: Scala, Vanguard
 - FRAC 3+11: QuiltXL, Quadris Top, Adament
 - FRAC 7+11: Pristine

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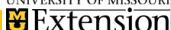


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Changes in 2017 – New Insecticide/Acaricide Labels

Trade Name	HRAC	Grape	Blueberry	Bramble	Strawberry
Agri-Mek	6			X	

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Changes in 2017 – New Insecticide Labels

- No new labels for insecticides on small fruits for 2017

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Changes in 2017 – New Herbicide Labels

Trade Name	HRAC	Grape	Blueberry	Bramble	Strawberry
Mission	B/2	X			

Note: preemergent and postemergent control of a range of broadleaf and grass weeds on grape; apply to grapes established 3 years or more

Note: same HRAC as Sandea (labeled on blueberry)

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Blueberry

- General
 - New fungicide uses
 - AFrame added for control of mummy berry, phomopsis stem canker, stem blight
 - AFrame Plus added for control of mummy berry, phomopsis stem canker, stem blight
 - Proline added for control of mummy berry, phomopsis stem canker, stem blight
 - OSO added for control of botrytis
 - Pristine and Tavano added for control of botrytis
 - Removal of insecticides
 - Avaunt and Brigade removed for control of cherry fruitworm

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Blueberry

- Dormant – no change
- Green tip
 - AFrame, AFrame Plus and Proline added for control of mummyberry, phomopsis stem canker and stem blight
- Pink bud/25% bloom
 - OSO, Pristine and Tavano added for botrytis control
- Full bloom/Petal fall
 - Avaunt and Brigade removed for cherry fruitworm control
- First and second cover – no change
- Third and additional covers – no change

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Midwest Blueberry Production Guide

- Available as a free download at: <http://www2.ca.uky.edu/agc/pubs/ID/ID210/ID210.pdf>
- Purchase a hard copy: <http://southcenter.osu.edu/about-us/news/midwest-blueberry-production-guide> This bulletin sells for \$20 a copy.

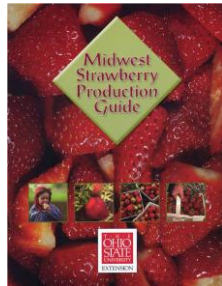


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Midwest Strawberry Production Guide

- Available as a free download at: <http://www.oardc.ohio-state.edu/fruitpathology/Bulletins/Strawberry%20book%20v2%20S.pdf>

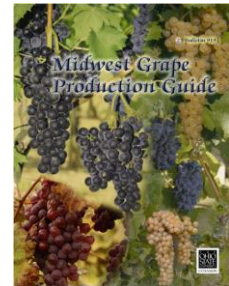


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Midwest Grape Production Guide

- Available as a free download at: http://www.oardc.ohio-state.edu/fruitpathology/Bulletins/mw_grape_12aug05%20S.pdf

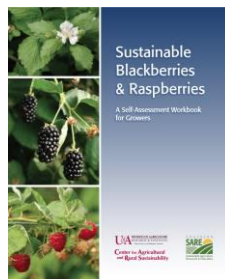


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Sustainable Blackberries and Raspberries

- Available at: <http://cars.uark.edu/ourwork/Specialty-Crop-Production-and-Marketing/2015-blackberryworkbook.pdf>



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New MU Grant on Specialty Crops

- There is a belief that Missouri's specialty crop industry is **under estimated**, which also affects federal specialty crop funding to Missouri
- Three objectives of the grant
 - Historical analysis of Missouri's specialty crop industry
 - Survey of Missouri specialty crop growers
 - Estimate economic impact to counties and Missouri



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How You Can Help!

- Keep an eye out for a **SIMPLE** survey in the future
 - Questions will be geared to identify which crops you grow, size/scale of your operation and your farm cash receipts
- Surveys will be kept confidential and aggregated for counties/state to not disclose your data
- Encourage others to complete survey
- This report can be used by you and other growers to communicate your industry's value to consumers, policy makers and other stakeholders

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Questions or Comments?

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