

Updates to the 2019 Midwest Fruit Pest Management Guide: Berries

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Outline

- Introduction to the 2019 Spray Guide
- General comments
- Blueberries
- Brambles
- Strawberries
- 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

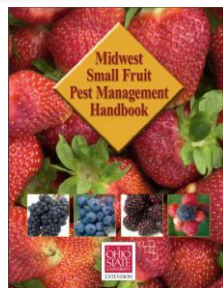


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Midwest Small Fruit Pest Management Handbook

- Companion to the Midwest Fruit Pest Management Guide
- Available as a free download at: http://plantpathology.ca.uky.edu/files/mw_sm_fruit_pest_mgmt.pdf



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Changes in 2019 – General Comments

- Fourth year of a combined tree fruit and small fruit pest management guides
- Guide is now reviewed every 2 years
- Organization of specialized sections improved
- Few changes in pesticide labels
- Increased emphasis on the importance of FRAC/IRAC/HRAC code designations and resistance management

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Changes in 2019 – New Fungicide Labels

Trade Name	FRAC	Blueberry	Bramble	Strawberry
Sulforix		X	X	
Quilt XL	3, 11	X	X	X
Tilt	3	X	X	X
Kenja	7	X		X
Orondis Gold	4		X	
Ridomil Gold	4	X	X	X
Prolio 300SC	U8	X	X	X
Intuity	11			X

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Changes in 2019 – New Insecticide Labels

Trade Name	IRAC	Blueberry	Bramble	Strawberry
Brigade	3A	X	X	
Diazinon AG600	1B	X	X	X
Hero 1.24EC	3A	X	X	
Danitol 2.4EC	3A	X	X	X
Exirel 0.835E	28	X		X

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Changes in 2018 – New Herbicide Labels

Trade Name	HRAC	Blueberry	Bramble	Strawberry
Chateau SW	14	X	X	X

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Blueberry

- General
 - New fungicide uses
 - Sulforix added for control of phomopsis
 - Quilt and Tilt added for control of phomopsis
 - Kenja 400SC added for control of botrytis
 - New insecticide uses
 - Brigade added for control of brown marmorated stink bug
 - Removal of fungicide uses
 - Legion 80WDG removed for control of phytophthora root rot
 - Luna Privilege removed for control of botrytis
 - Removal of insecticide/miticide uses
 - Entrust 80WP removed for control of cherry fruitworm and SWD
 - Brigade removed for control of SWD

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Blueberry

- Delayed dormant
 - Sulforix added for control of phomopsis
 - Legion 80WDG removed for control of phytophthora root rot
- Green tip
 - Quilt and Tilt added for control of phomopsis and mummy berry
- Pink bud to 25% bloom
 - Kenja 400SC added for control of botrytis
 - Orbit/Tilt/Topaz removed for control of phomopsis
 - Luna Privilege removed for control of botrytis
- Full bloom to petal fall
 - Entrust 80WP removed for control of cherry fruitworm
- First and second cover – no change
- Additional covers
 - Brigade 2EC added for control of brown marmorated stink bug
 - Brigade 2EC and Entrust 80WP removed for control of SWD
- Postharvest – no change

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Bramble

- General
 - Expanded information on broad mite management
 - New fungicide uses
 - Ridomil Gold added for control of phytophthora root rot
 - Orondis Gold 200 added for control of phytophthora root rot
 - Quilt Xcel added for control of anthracnose and other diseases
 - Prolio 300SC added for control of rusts and other diseases
 - Abound added for control of botrytis
 - Cabrio added for control of botrytis
 - Luna Tranquility added for control of botrytis
 - Prolio added for control of powdery mildew
 - New insecticide uses
 - Diazinon added for control of raspberry crown borer
 - Hero 1.24EC added for control of raspberry crown borer
 - Removal of fungicide uses
 - Lime sulfur removed for control of anthracnose and other diseases
 - Luna Privilege removed for control of rust diseases
 - Removal of insecticide/miticide uses
 - Entrust 80WP removed for control of raspberry fruitworm, leafrollers, SWD and raspberry sawfly

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Bramble

- Delayed dormant
 - Ridomil Gold and Orondis Gold 200 added for control of phytophthora root rot
 - Liquid lime sulfur removed for control of anthracnose and other diseases
- Pre-bloom
 - Quilt Xcel and Cover XL added for control of anthracnose and other diseases
 - Prolvo added for control of rusts and other diseases
 - Entrust 80WP removed for control of raspberry fruitworm, leafrollers and sawfly
- Bloom to petal fall – no changes
- Post bloom through harvest
 - Abound, Luna Tranquility and Prolvo added for control of rust diseases
 - Luna Privilege removed for control of rust diseases
 - Entrust 80WP removed for control of SWD
- Post harvest
 - Diazinon and Hero 1.24EC was added for control of raspberry crown borer

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Strawberry

- General
 - New fungicide uses
 - Tilt added for control of a range of diseases
 - Intuity added for control of botrytis
 - New insecticide uses
 - Nextar added for control of spider mites
 - Danitol added for control of leafrollers
 - Exirel 0.83SE added for control of SWD
 - Removal of fungicide uses
 - Luna Privilege removed for control of powdery mildew and leaf diseases
 - Syllit removed for control of powdery mildew and leaf disease
 - Fracture removed for control of botrytis
 - Luna Privilege removed for control of botrytis, powdery mildew and leaf diseases
 - Orbit removed for control of anthracnose
 - Removal of insecticide/miticide uses
 - Entrust 80WP removed for control of thrips, leafrollers, SWD

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Strawberry

- Preplant – no change
- Pre-bloom
 - Tilt added for control of powdery mildew and leaf diseases
 - Nextar added for control of spider mites
 - Luna Privilege removed for control of powdery mildew and leaf disease
 - Syllit removed for control of powdery mildew and leaf diseases
 - Entrust 80WP removed for control of thrips
- Early bloom through bloom
 - Intuity added for control of botrytis
 - Fracture and Luna Privilege removed for control of botrytis
 - Orbit removed for control of anthracnose
- Post bloom through harvest
 - Danitol added for control of leafrollers
 - Exirel 0.83SE added for control of SWD
 - Entrust 80WP removed from control of leafrollers and drosophila
- Post harvest and new plantings – no change

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Questions or Comments?

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