

2016 Tree Fruit Management Guide Updates (As of March 15, 2016)

APPLE	Product	Group	REI (Hrs)	PHI (days)		Rate/acre
Add Disease	Actigard 50 WG	21	12	60	Suppression of Fireblight tank mixed with Strep	2 oz
	Aprovia	7	12	30	SDHI; EXPECT REGISTRATION 2016; scab, Botrytis, Anthracnose, powdery mildew, sooty blotch/fly speck	5.5-7 fl oz
	Badge SC	M1	48	0	Apple Scab, Fireblight	3.5-7 pts
	Badge X2	M1	48	0	Apple Scab, Fireblight	3.5-7 #
	Carb-O-Nator		4	0	Powdery mildew, sooty blotch/fly speck, Botrytis, Alternaria	2.5-5#/100
	Cueva		4		Fireblight with Strep, CAR, scab, sooty blotch/fly speck, rust	1 qt
	Double Nickel LC		4	0	PLUS Cueva (2 qt/A) for Fireblight, sooty blotch/fly speck, fruit rot	1 qt
	OSO	19	4	0	Alternaria, powdery mildew, scab suppression, CAR, sooty blotch/fly speck	3.75-13 oz
	Ph-D	19	4	0	Preventative program. Scab, powdery mildew, Alternaria	6.2 oz
	Phostrol	33	4	0	Blister Spot, Phytophthora	2.5-5 pts
	Prophyt	33	4	0	Phytophthora	2-4 pts
	Thiophanate Methyl	1	48	1	Black rot, White rot	0.6-0.8 #
Add Insecticide	DES-X		12	0	Apple aphid, mites, leafhoppers	2 gal/100 gal
	Exirel	28	12	3	Add for OFM, AM; already listed for other insects	13.5-20.5 fl oz
	Isomate DWB				Dogwood borers	150 dispensors
	Lorsban 4E	1B	4 days	1 appl/year	Trunk spray for Black Stem Borer, late April-mid June	1.5 qt/100
	Madex HP		4	0	Codling Moth, Oriental Fruit Moth	0.5-3 fl oz
	Seduce	5	4	7	Cutworms; spread around base of trees	20-44 #
	Sivanto	4D	12	14	Aphids (not WAA), leafhoppers, scale	7-14 fl oz
	Voliam Xpress	3/28	24	21	Japanese beetles	6-12 fl oz
Warrior II with Zeon Technology	3-Jan	24	21	Black stem borer: Ambrosia beetle that infests stressed trees, young trees. Trunk spray late April-mid June	2.56 fl oz/100	
Add PGR	ReTain	PGR	12	NA	Apply pink-full bloom to increase fruit set by increasing length of flower susceptibility	1 pouch
Change	Lorsban				Cannot be applied past delayed dormant except for a trunk borer spray	
	Syllit/Dodine	U12			Do not apply after pink.	
Remove	Rubigan				No longer registered or made	
	Supracide				No longer registered or made	
	Thionex				No longer available	
Alert	Belt/Flubendiamide				Expect label cancellation by EPA for all uses in 2016; lep control	

PEAR	Product	Group	REI (Hrs)	PHI (days)		Rate/acre
Add Disease	Actigard 50 WG	21	12	60	Suppression of Fireblight tank mixed with Strep	2 oz
	Aprovia	7	12	30	SDHI; EXPECT REGISTRATION 2016; scab, Botrytis, Anthracnose, powdery mildew, sooty blotch/fly speck	7 fl oz
	Carb-O-Nator		4	0	Powdery mildew, sooty blotch/fly speck, Botrytis, Alternaria	2.5-5#/100
	Cueva		4		Fireblight with Strep, CAR, scab, sooty blotch/fly speck, rust	1 qt
	Double Nickel LC		4	0	PLUS Cueva (2 qt/A) for Fireblight	1 qt
	OSO	19	4	0	Alternaria, powdery mildew, scab suppression, sooty blotch/fly speck	3.75-13 oz
	Ph-D	19	4	0	Preventative program. Scab, powdery mildew, Alternaria	6.2 oz
Add Insecticide	Isomate DWB				Dogwood borers	150 dispensors
	Madex HP		4	0	Codling Moth, Oriental Fruit Moth	0.5-3 fl oz
	Seduce	5	4	7	Cutworms; spread around base of trees	20-44 #
	Sivanto	4D	12	14	Aphids (not WAA), leafhoppers, scale	7-14 fl oz
	Voliam Xpress	3/28	24	21	Japanese beetles	6-12 fl oz
Add PGR	ReTain	PGR	12	NA	Apply white bud-full bloom to increase fruit set by increasing length of flower susceptibility	1 pouch
Change	Badge SC					1-14 pts
	Badge X2					1-14 #
	Syllit/Dodine	U12			Do not apply after petal fall	
Remove	Exirel	PGR			Pear Psylla: data indicates it does not control	
	Rubigan				No longer registered or made	
	Supracide				No longer registered or made	
Alert	Belt/Flubendiamide				Expect label cancellation by EPA for all uses in 2016; lep control	
APRICOT						
		Group	REI (Hrs)	PHI (days)		Rate/acre
Add disease	Carb-O-Nator		4	0	Powdery mildew, Brown rot , Botrytis, Blossom blight	2.5-5#/100
	Cueva		4		Bacterial spot, bacterial canker, brown rot, blossom blight	1 qt
	Double Nickel LC		4	0	Brown rot, powdery mildew, shot hole, anthracnose	1 qt
	OSO	19	4	0	Botrytis blossom blight, powdery mildew	3.75-13 oz
	Ph-D	19	4	0	Preventative program. Scab, powdery mildew, Alternaria, Botrytis, Gray mold. Rhizoctonia root rot drench	6.2 oz
Add Insecticide	DES-X		12	0	Aphid, mites, leafhoppers	2 gal/100 gal
	Isomate DWB				Dogwood borers	150 dispensors

Add Insecticide	Madex HP		4	0	Codling Moth, Oriental Fruit Moth	0.5-3 fl oz
	Seduce	5	4	1	Cutworms; spread around base of trees	20-44 #
	Voliam Xpress	3/28	24	14	Japanese beetles	6-12 fl oz
Alert	Belt/Flubendiamide				Expect label cancellation by EPA for all uses in 2016; lep control	
Change	Badge SC					3.4-14 pts
	Badge X2					3.5-14 #
Remove	Supracide				No longer registered or made	

CHERRY		Group	REI (Hrs)	PHI (days)		Rate/acre
Add Disease	Carb-O-Nator		4	0	Powdery mildew, Brown rot , Botrytis, Blossom blight	2.5-5#/100
	Cueva		4		Bacterial spot, bacterial canker, brown rot, blossom blight	1 qt
	Double Nickel LC		4	0	Brown rot, powdery mildew, shot hole, anthracnose	1 qt
	OSO	19	4	0	Botrytis blossom blight, powdery mildew	3.75-13 oz
	Ph-D	19	4	0	Botrytis, Gray mold. Rhizoctonia root rot drench	6.2 oz
Add Insecticide	DES-X		12	0	Aphid, mites, leafhoppers	2 gal/100 gal
	Isomate DWB				Dogwood borers	150 dispensors
	Madex HP		4	0	Codling Moth, Oriental Fruit Moth	0.5-3 fl oz
	Seduce	5	4	7	Cutworms; spread around base of trees	20-44 #
	Voliam Xpress	3/28	24	14	Japanese beetles	6-12 fl oz
Add PGR	ReTain	PGR	12	NA	of flower susceptibility	1 pouch
Alert	Belt/Flubendiamide				Expect label cancellation by EPA for all uses in 2016; lep control	
Change	Badge SC					3.4-14 pts
	Badge X2					3.5-14 #
Remove	Rubigan				No longer registered or made	
	Supracide				No longer registered or made	

PEACH & NECTARINE		Group	REI (Hrs)	PHI (days)		Rate/acre
Add Disease	Carb-O-Nator		4	0	Powdery mildew, Brown rot , Botrytis, Blossom blight	2.5-5#/100
	Cueva		4		Bacterial spot, bacterial canker, brown rot, blossom blight	1 qt
	Double Nickel LC		4	0	Brown rot, powdery mildew, shot hole, anthracnose	1 qt
	OSO	19	4	0	Botrytis blossom blight, powdery mildew	3.75-13 oz
	Ph-D	19	4	0	Botrytis, Gray mold. Rhizoctonia root rot drench	6.2 oz

Add Insecticide	DES-X		12	0	Aphid, mites, leafhoppers	2 gal/100 gal
	Isomate DWB				Dogwood borers	150 dispensors
	Madex HP		4	0	Codling Moth, Oriental Fruit Moth	0.5-3 fl oz
	Seduce	5	4	1	Cutworms; spread around base of trees	20-44 #
	Voliam Xpress	3/28	24	14	Japanese beetles	6-12 fl oz
Alert	Belt/Flubendiamide				Expect label cancellation by EPA for all uses in 2016; lep control	
Change	Badge SC	M1				3.4-14 pt
	Badge X2					3.5-14 #
Remove	Supracide				No longer registered or made	

PLUM	Product	Group	REI (Hrs)	PHI (days)		Rate/acre
Add Disease	Carb-O-Nator		4	0	Powdery mildew, Brown rot , Botrytis, Blossom blight	2.5-5#/100
	Cueva		4	0	Bacterial spot, bacterial canker, brown rot, blossom blight	1 qt
	Double Nickel LC		4	0	Brown rot, powdery mildew, shot hole, anthracnose	1 qt
	OSO	19	4	0	Botrytis blossom blight, powdery mildew	3.75-13 oz
	Ph-D	19	4	0	Preventative program. Scab, powdery mildew, Alternaria, Botrytis, Gray mold. Rhizoctonia root rot drench	6.2 oz
Add Insecticide	DES-X		12	0	Aphid, mites, leafhoppers	2 gal/100 gal
	Isomate DWB				Dogwood borers	150 dispensors
	Madex HP		4	0	Codling Moth, Oriental Fruit Moth	0.5-3 fl oz
	Seduce	5	4	7	Cutworms; spread around base of trees	20-44 #
	Voliam Xpress	3/28	24	14	Japanese beetles	6-12 fl oz
Alert	Belt/Flubendiamide				Expect label cancellation by EPA for all uses in 2016; lep control	
Change	Badge SC				For Black Knot	1.5-5 pts
	Badge X2					1.5-5 #
	Badge SC				For Blossom Blight	3.5-5 pts
	Badge X2					3.5-5 #
Remove	Supracide				No longer registered or made	

HERBICIDES		Group	REI (Hrs)	PHI (days)		Rate/acre
Add	Diuron 4L	7	12	Spring or after harvest application	Apples established at least 1 year used alone or at least 2 years tank mixed with Sinbar. Not for full dwarf RS	1.2-3.2 qts
		7	12	Spring appl only	Pears established at least 1 year. Not for full dwarf RS	1.6-3.2 qt
		7	12	3 months	Peaches established at least 3 years used alone or at least 2 years tank mixed with Sinbar.	
	Lifeline, Cheetah (Glufosinate)	10	12	14	Post-emergence grass, broadleaf. Pome & Stone fruit. Same as Rely 280	48-82 fl oz
	Rely 280 (Glufosinate)	10	12	14	Additional uses: Pear, cherry, peach, apricot, plum	48-82 fl oz
	Sandea (Halosulfuron-methyl)	2	12	14	Additional use: Pear	
	Satellite Hydrocap (Pendimethalin)	3	12	60	Preemergence grass, some broadleaves. Pome & Stone fruit. Same as Prowl H20	2-6.3 qts
	Surflan Flex (oryzalin)	3	24	NA	Preemergence annual grass, annual broadleaf. Pome & Stone fruit. Improved formulation of Surflan	2-7.75 qts
Change	Stinger/Chlopyralid		Can be used in Apple & Stone fruit established 1 year or more. Not to be used during bloom.			
	Karmex/Diuron		Use limited to Apple, Pear established at least 1 year, Peaches established at least 2 years.			
	Fusilade/Fluazifop		ONLY non-bearing Pome and Stone fruit			

ORGANICS

Clarifications	Page 6	Cueva does not necessarily result in decreased summer disease control especially when used in a program				
	Page 7	Doubel Nickel has shown good efficacy against other diseases listed (VA Tech data)				
Add	Azera	Page 7	Add under Azadirectin			
	Molt-X	Page 7	Add under Azadirectin			
	Rendition	Page 7	Add under Hydrogen peroxide section			
	SuffOil-X	Page 8	Summer oil option			

OTHER CHANGES

Chapter 7	Table 7.1.1	Page 72	New ratings for Exirel: 2 AM, 1 for Aphid, 0 for SJS, TPB and WAA			
	Table 7.1.3	Page 75	Beneficial Toxicity table: Add Exirel ratings as H, L, L, L, L			
Chapter 8	Table 8.4.1	Page 105	Rely 280, add Cheetah and Lifeline. Minimum time for all crops is 'None'			

Always read the label before purchasing and applying a pesticide! The label is the law!