

# 14 Peaches and Nectarines

## 14.1 Insecticides and Fungicides for Peaches and Nectarines

See Sections 14.2, 14.3, and 14.4 for comments reltated to this table.

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Refer to back of book for key to abbreviations and footnotes.

	egisiration status before applying			REI	PHI	Comments
Pest	Product	Amt/100 gal	Amt/A	(hrs)	(days)	(see text)
Dormant						
<b>Bacterial Spot</b>	C-O-C-S WDG	4.0 lb/100 gal	12-16 lb/A	24	PF	[1.2]
	Kocide 2000		6-12 lb/A	48	21	
	Kocide 3000		3.5-7.0 lb/A	48	0	
	Cuprofix Ultra 40D		5.0-7.5 lb/A	48	SS	
	§Champ WG		8-16 lb/A	48	21	
	or other (§)copper formulations					
Peach leaf curl	Bravo Ultrex 82.5WDG	0.9-1.25 lb/100 gal	2.8-3.8 lb/A	12 hr-	SS	[3.1]
	or Bravo Weather Stik 6F	1.0-1.4 pt/100 gal	3.1-4.1 pt/A	7days		
	or other chlorothalonil formulat	/		(E)		
	C-O-C-S	4 lb/100 gal	12-16 lb/A	24	PF	
	or other (§)copper formulations					
	Echo 720	1.0-1.4 pt/100 gal	3.1-4.1 pt/A	12hr/7	SS	
	or Echo 90DF	0.75-1.2 lb/100 gal	2.25-3.5 lb/A	days		
	F 1 C 0	1.7.11./1001	4.7.11./A	(E)	21	
	Ferbam Granuflo	1.5 lb/100 gal	4.5 lb/A	24	21	
	Kocide 2000		6-12 lb/A	48	21	
	Kocide 3000	1.011/100 1	3.5-7.0 lb/A	48	0	
	Thiram Granuflo	1.2 lb/100 gal	3.5 lb/A	24	7	
	Ziram 76DF	1.25-2.7 lb/100 gal	3.75-8 lb/A	48	14	56.03
Phytophthora	Ridomil Gold SL 4EC		2 qt/A	48	0	[6.2]
root, crown, and collar rots						
Cottony peach	(§)oil	2-3 gal/100 gal		12	0	[11.1],
scale,	(8)011	2-3 gai/100 gai		12	U	[11.1],
European fruit	Centaur		34.5 oz/A	12	14	[11.1],[12.1]
lecanium, San Jos			34.3 OZ/11	12	1-7	
scale,						
European red mit	e					
Pink						
Brown rot	Bravo WeatherStik 6F	1.0-1.4 pt/100 gal	3.1-4.1 pt/A	12hr/7	SS	-
(blossom blight)	or other chlorothalonil formula	ntions (see labels)	_	days		
				(E)		
	Captan 50WP	1-2 lb/100 gal	4-8 lb/A	24	0	
	or Captan 80WDG		2.5-5 lb/A	24	0	
	or Captec 4L	0.75-1 qt/100 gal		24	0	
	Echo 720	1.0-1.4 pt/100 gal	3.1-4.1 pt/A	12 hr/7	SS	
	or Echo 90DF	0.75-1.2 lb/100 gal	2.25-3.5 lb/A	days(E)		
	Elevate 50WDG		1.5 lb/A	12	0	
	Fontelis 1.67		14-20 fl oz/A	12	0	
	Gem 500SC		1.9-3.8 oz/A	12	1	[2.8]
	Indar 2F		6 fl oz/A	12	0	[2.8]
	Inspire Super		16-20 fl oz/A	12	2	
	Merivon		4.0-6.7 fl oz/A	12	0	
	-					

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Pest	Product	Amt/100 gal	Amt/A	REI (hrs)	PHI (days)	Comments (see text)
Pink (continued)						
Brown rot	Meteor 4F		1-2 pt/A	24	PF	
(blossom blight)	Pristine 38 WDG		10.5-14.5 oz/A	12	0	
(continued)	Quash 50WDG		2.5-3.5 oz/A	12	14	
	Rally 40WSP		2.5-6 oz/A	24	0	[2.8]
	Rovral 4F		1-2 pt/A	24	PF	[2.3]
	Scala SC		9-18 fl oz/A	12	2	
	Sulfur 92WP	5-10 lb/100 gal		24	0	
	§Microthiol Disperss		10-20 lb/A	24		
	or other (§)sulfur products	See labels				
	Thiram Granuflo	1.2 lb/100 gal	3.5 lb/A	24	7	[2.3]
	Tilt 3.6 EC		4 fl oz/A	12	0	[2.8]
	Topsin M 70 WP,WSB	0.33-0.5 lb/100 gal	1-1.5 lb/A	48	1	
	or Topsin 4.5 Fl	6.7-10 fl oz/100 gal	20-30 fl oz/A	48	1	
Tarnished plant	*Asana XL 0.66EC	2.0-5.8 fl oz/100 gal	4.8-14.5 fl oz/A	12	14	[21.1],[21.2]
bug	Assail 30SG		5.3-8.0 oz/A	12	7	
	*Baythroid XL 1 EC		2.0-2.4 fl oz/A	12	7	
	Beleaf 50 SG		2.0-2.8 oz/A	12	14	
	*Pounce 25WP		6.4-16 oz/A	12	14	
	*Proaxis 0.5 CS		2.6-5.1 fl oz/A	24	14	
	*Warrior II 2.08 CS The following pre-mix product i		1.3-2.5 fl oz/A	24	14	
	and insecticide resistance manag species are present and appropria action contained in the product.		embination of activ	ve ingred	dients and	
	*Voliam Xpress		6-12 fl oz/A	24	14	
Bloom						
Brown rot (blossom blight)	See materials listed under Pink					
Oriental fruit moth	See comments [16.1] regarding j	pheromone disruption				
Petal Fall						
Brown rot (blossom blight)	See materials listed under Pink					[2.5]
American plum borer, Peachtree	Asana XL 0.66Ec	2.0-5.8 fl oz/100 gal	4.8-14.5 fl oz/A	12	14	[10.1]
borer, Lesser	*Baythroid XL 1EC		[see comment]	12	7	[10.2]
peachtree borer	*Lorsban 4EC	3 qt/100 gal		96	14	[10.1]
	or *Lorsban Advanced 3.8EC	3 qt/100 gal		96	14	
	or Lorsban 75 WG	4 lb/100		96	14	
	*Pounce 25WP		6.4-16.0 oz/A	12	14	[10.2]
	*Proaxis		2.6-5.1 fl oz/A	24	14	
	Scorpion		5.25-7 fl oz/A	12	7	[10.3]
	*Warrior II		1.3-2.6 fl oz/A	24	14	
	(§)Pheromone disruption ties: Isomate PTB-Dual		150 ties/A			[17.1]

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Pest	Product	Amt/100 gal	Amt/A	REI (hrs)	PHI (days)	Comments (see text)
Petal Fall (contir	nued)					
American plum borer, Peachtree borer, Lesser beachtree borer	and insecticide resistance r	ducts are also labeled for use management, their use should propriately matched to the co- duct.	d be reserved for	situations	when m	ultiple pest
(continued)	*Endigo ZC		5-5.5 fl oz/A	24	14	
	*Leverage 360		2.4-2.8 fl oz/A	12	7	
	*Voliam Xpress		6-12 fl oz/A	24	14	
Green peach	Actara		3.0-4.0 oz/A	12	14	[13.1]
aphid	Assail 30SG		2.5-5.3 oz/A	12	7	. ,
	Beleaf 50SG		2.0-2.8 oz/A	12	14	
	*Lannate LV 2.4L	0.75 pt/100 gal	3 pt/A	96	4	[13.1]
	or *Lannate 90SP	0.25 lb/100 gal	1 lb/A	96	4	[10.1]
	Movento SC	0.20 10/ 100 841	6.0-9.0 fl oz/A	24	7	[13.1]
		ducts are also labeled for use			r for bes	
		nanagement, its use should be				
		propriately matched to the co				
	*Endigo ZC		5-5.5 fl oz/A	24	14	
	Voliam Flexi WDG		4.0-7.0 oz/A	12	14	
Oriental fruit moth	See materials listed under S	Shuck Split				
Farnished plant	See materials listed under l	Pink plus				
bug	Actara	1	4.5-5.5 oz/A	12	14	[21.3]
	Belay 2.1 EC		6 fl oz/A	12	21	
		duct is also labeled for use a				[21.3]
	The following pre-mix pro- and insecticide resistance r species are present and app action contained in the pro-	duct is also labeled for use a nanagement, its use should b propriately matched to the co duct.	ngainst this pest; I be reserved for si combination of act	nowever, f tuations w ive ingred	for best e then mult lients and	ffectiveness tiple pest
	The following pre-mix pro- and insecticide resistance r species are present and app	nanagement, its use should be propriately matched to the co	gainst this pest; lee reserved for si	nowever, f tuations w	for best e hen mult	ffectiveness tiple pest
Western flower	The following pre-mix pro- and insecticide resistance r species are present and app action contained in the pro-	nanagement, its use should be propriately matched to the co	ngainst this pest; I be reserved for si combination of act	nowever, f tuations w ive ingred	for best e then mult lients and	ffectiveness tiple pest
	The following pre-mix pro- and insecticide resistance r species are present and app action contained in the pro- *Leverage 360	nanagement, its use should be propriately matched to the co	ngainst this pest; I be reserved for significant combination of act 2.4-2.8 fl oz/A	nowever, futuations we ive ingred	for best e when mult lients and	ffectiveness tiple pest
	The following pre-mix pro- and insecticide resistance r- species are present and app- action contained in the pro- *Leverage 360  Actara 25WDG  Delegate 25 WG  §Entrust 80WP	nanagement, its use should be propriately matched to the conduct.  0.4-0.8 oz/100 gal	gainst this pest; I be reserved for si ombination of act  2.4-2.8 fl oz/A  4.5-5.5 oz/A  4.5-7 oz/A  1.25-2.5 oz/A	nowever, for tuations we increase the true ingred to the true ingred t	for best enchange of the formula for the formula formula for the formula for t	ffectiveness iple pest modes of
	The following pre-mix pro- and insecticide resistance respecies are present and apprecion contained in the pro- *Leverage 360  Actara 25WDG  Delegate 25 WG  §Entrust 80WP  The following pre-mix pro- and insecticide resistance respecies are present and apprecion and apprecion and insecticide resistance respecies are present and apprecion and insecticide resistance respectively.	nanagement, its use should be propriately matched to the conduct.  0.4-0.8 oz/100 gal ducts are also labeled for use nanagement, their use should propriately matched to the conducts are described by the conducts are also labeled for use nanagement, their use should be propriately matched to the conducts are also labeled for use nanagement.	gainst this pest; I be reserved for sire or mbination of act  2.4-2.8 fl oz/A  4.5-5.5 oz/A  4.5-7 oz/A  1.25-2.5 oz/A  e against this pest of the pes	tuations weive ingred  12 12 4 4 t; however situations	for best ender hen multilients and from 14 from 1 f	ffectiveness iple pest modes of teffectivene ultiple pest
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	The following pre-mix pro- and insecticide resistance re- species are present and apprecion contained in the pro- *Leverage 360  Actara 25WDG  Delegate 25 WG  §Entrust 80WP  The following pre-mix pro- and insecticide resistance re- species are present and apprecion contained in the pro- *Endigo ZC	nanagement, its use should be propriately matched to the conduct.  0.4-0.8 oz/100 gal ducts are also labeled for use nanagement, their use should propriately matched to the conducts are described by the conducts are also labeled for use nanagement, their use should be propriately matched to the conducts are also labeled for use nanagement.	gainst this pest; I be reserved for significant of act 2.4-2.8 fl oz/A 4.5-5.5 oz/A 4.5-7 oz/A 1.25-2.5 oz/A e against this pest d be reserved for ombination of act 5-5.5 fl oz/A	tuations we ive ingred  12 12 4 4 t; however situations ive ingred	for best e when multilients and filents an	ffectiveness iple pest modes of teffectiveness teffettiveness teff
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Western flower thrips Shuck Split Brown rot	The following pre-mix pro- and insecticide resistance r- species are present and app- action contained in the pro- *Leverage 360  Actara 25WDG  Delegate 25 WG  §Entrust 80WP  The following pre-mix pro- and insecticide resistance r- species are present and app- action contained in the pro- *Endigo ZC  Voliam Flexi  *Voliam Express  Bravo WeatherStik 6F or other chlorothalonil form Captan 50WP or Captan 80 WDG or Captec 4L	0.4-0.8 oz/100 gal ducts are also labeled for use management, their use should bropriately matched to the containing the conta	gainst this pest; It be reserved for simulation of act 2.4-2.8 fl oz/A 4.5-5.5 oz/A 4.5-7 oz/A 1.25-2.5 oz/A e against this pest discrete discrete for bindination of act 5-5.5 fl oz/A 4.0-7.0 oz/A 6-12 fl oz/A 3.1-4.1 pt/A 4-8 lb/A 2.5-5 lb/A	tuations we ive ingred  12 12 4 4 4 t; however situations ive ingred  24 12 24 12 24 12hr/7 days(E) 24 24 24 24	for best e when multilients and filents an	ffectiveness iple pest modes of t effectivene ultiple pest modes of
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				REI	PHI	Comments
Pest	Product	Amt/100 gal	Amt/A	(hrs)	(days)	(see text)
Shuck Split (cor						
Brown rot	Fontelis 1.67		14-20 fl oz/A	12	0	<u>-</u>
(continued)	Indar 2F		6 fl oz/A	12	0	[2.8]
	Inspire Super		16-20 fl oz/A	12	2	<u>-</u>
	Merivon		4.0-6.7 fl oz/A	12	0	-
	Pristine 38WDG		10.5-14.5 oz/A	12	0	-
	Quash 50 WDG		2.5-3.5 oz/A	12	14	-
	Rally 40WSP		2.5-6 oz/A	24	0	[2.8]
	Sulfur 92WP	5-10 lb/100 gal		24	0	[2.6]
	§Microthiol Disperss		10-20 lb/A	24	0	
	or other (§)sulfur products	See labels				_
	Thiram Granuflo	1.2 lb/100 gal	3.5 lb/A	24	7	-
	Tilt 3.6EC		4 fl oz/A	12	0	[2.8]
	Topsin M 70 WP, WSB	0.33-0.5 lb/100 gal	1-1.5 lb/A	48	1	_
	Topsin 4.5 FL	6.7-10 fl oz/100 gal	20-30 fl oz/A	48	1	
<b>Bacterial spot</b>	§Mycoshield 17WP	12 oz/100 gal		12	21	[1.3]
	FireLine 17 WP	12 oz/100 gal		12	21	
	(§)copper products	See comments				[1.4]
Peach scab	Bravo Ultrex 82.5WDG	0.9-1.25 lb/100 gal	2.8-3.8 lb/A	12 hr/7	SS	[4.2]
	or Bravo Weather Stik 6F	1.0-1.4 pt/100 gal	3.1-4.1  pt/A	days(E)		
	or other chlorothalonil formulati					-
	Echo 720	1.0-1.4 pt/100 gal	3.1-4.1 pt/A	12hr/7	SS	
	or Echo 90DF	0.75-1.2 lb/100 gal	2.25-3.5 lb/A	days(E)	SS	-
	Captan 50WP	1-2 lb/100 gal	4-8 lb/A	24	0	
	or Captan 80 WDG		2.5-5 lb/A	24	0	
	or Captec 4L	0.75-1 qt/100 gal		24	0	<u>-</u>
	Gem 500SC		1.9-3.8 oz/A	12	1	-
	Indar 2F		6 fl oz/A	12	0	-
	Inspire Super		16-20 fl oz/A	12	2	-
	Sulfur 92WP	5-10 lb/100 gal		24	0	
	or §Microthiol Disperss 80DF		6-12 lb/A	24	0	
	or other (§)sulfur products	See labels				<u>-</u>
	Quash		2.5-3.5 oz/A	12	14	-
	Thiram Granuflo	1.2 lb/100 gal	3.5 lb/A	24	7	[2.3]
	Topsin M 70WP		0.5-0.75 lb/A	48	1	
	plus					
	Captan 80 WDG		1.25-2.5 lb/A	24	0	
Obliquebanded	Altacor 35 WDG		3.0-4.5 oz/A	4	10	[15.1]
leafroller	*Baythroid XL 1EC		2.4-2.8 fl oz/A	12	7	
	Belt SC		3.0-4.0 fl oz/A	12	7	
	§Biobit HP		0.5-2.0 lb/A	4	0	
	*Danitol 2.4EC		10.7-21.3 fl oz/A		3	
	Delegate 25 WG		4.5-7.0 oz/A	4	1	[15.1]
	§Deliver		0.5-2.0 lb/A	4	0	
	§Dipel DF		0.5-2.0 lb/A	4	0	
	§Entrust 80WP	0.4-0.8 oz/100 gal	1.25-2.5 oz/A	4	1	[15.1]

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Refer to back of book for key to abbreviations and footnotes.

Pest	egistration status before applying a  Product	Amt/100 gal	Amt/A	REI (hrs)	PHI (days)	Comments (see text)
Shuck Split (cor	ntinued)					
Obliquebanded	The following pre-mix products					
leafroller	and insecticide resistance manag					
(continued)	species are present and appropria	itely matched to the co	ombination of activ	e ingred	lients and	l modes of
	action contained in the product.		2.4.2.0.0 //	10	7	
	*Leverage 360		2.4-2.8 fl oz/A	12	7	_
	Tourismo		10-14 fl oz/A	12	14	-
O-14-1 614	*Voliam Xpress		6-12 fl oz/A	24	14	[16.2]
Oriental fruit	Actara		4.5-5.5 oz/A	12	14	[16.2]
moth, Lesser peachtree	Altacor 35 WDG	20500 /100 1	3.0-4.5 oz/A	4	10	[16.2],[17.2]
borer,	*Asana XL 0.66EC	2.0-5.8 fl oz/100 gal		12	14	
Plum curculio	Assail 30SG		5.3-8.0 oz/A	12	7	[17.2]
	Avaunt 30WDG		5.0-6.0 oz/A	12	14	[16.2]
	§Aza-Direct 1.2L		1-2 pts/A	4	0	-
	Azatin XL 3L		10-21 fl oz/A	4	0	
	*Baythroid XL 1EC		1.4.2.0.21 /4	10	_	[10.2],[17.3]
	for lesser peachtree borer:		1.4-2.0 fl oz/A	12	7	
	for oriental fruit moth:		2.0-2.4 fl oz/A	12	7	
	for plum curculio:		2.4-2.8 fl oz/A	12	7	
	Belay		6.0 fl oz/A	12	21	[18.1],[16.2], [17.2]
	Belt SC		3.0-4.0 fl oz/A	12	14	[16.2]
	*Danitol 2.4EC		10.7-21.3 fl oz/A	24	3	
	Delegate 25WG		6.0-7.0 oz/A	4	1	[16.2]
	Imidan 70W	0.75-1.0 lb/100 gal	2.1-4.25 lb/A	96	14	[16.4]
	Intrepid 2F		10-16 fl oz/A	4	7	[16.2]
	*Pounce 25WP		6.4-16.0 oz/A	12	14	[10.2]
	*Proaxis 0.5CS		2.6-5.1 fl oz/A	24	14	
	Sevin XLR Plus, 4F		2-3 qt/A	12	3	-
	§Surround 95WP		25-50 lb/A	4	0	[18.2]
	*Warrior II		1.3-2.6 fl oz/A	24	14	
	(§)Pheromone disruption:					_
	§Checkmate OFM Dispenser		100-200			[16.1]
			dispensers/A			. ,
	or Checkmate OFM Flowable		1.3-2.9 fl oz/A			[16.1]
	or Isomate-M 100		100 ties/A			[16.1]
	or Isomate PTB-Dual		150 ties/A			[17.1]
	The following pre-mix products and insecticide resistance manages species are present and appropriate action contained in the product.	ement, its use should b	be reserved for situ	ations v	vhen mul	tiple pest
	*Endigo ZC		5-5.5 fl oz/A	24	14	
	*Leverage 360		2.4-2.8 fl oz/A	12	7	=
	Tourismo		10-14 fl oz/A	12	14	-
	Voliam Flexi		4.0-7.0 oz/A	12	14	=
	v Olialli i ICAI		6-12 fl oz/A	24	14	_

Refer to label for registration status before applying any pesticide to nectarines.

	egistration status before applying			REI	PHI	Comments
Pest Shuck Split (cor	Product	Amt/100 gal	Amt/A	(hrs)	(days)	(see text)
San Jose Scale,	· · · · · · · · · · · · · · · · · · ·		34.5-46.0 oz/A	12	1.4	[11.2]
Lecanium Scale	Centaur Admire Pro		1.4-2.8 fl oz/A	12	0	[11.2]
Lecamum Scare	Esteem 0.86EC		13-16 fl oz/A	12	14	
	Movento		6.0-9.0 fl oz/A	24	7	
Tarnished plant	See materials listed under Petal	Foll	0.0-9.0 II 0Z/A	24	/	
bug	See materials fisted under I etal	ran				
Additional Sumr	mer Sprays					
Bacterial spot	§Mycoshield 17WP	12 oz/100 gal		12	21	[1.3]
Ducterial spot	FireLine 17WP	12 oz/100 gal		12	21	[1.5]
	(§)copper products	See comments		12	21	[1.4]
Brown rot	Captan 50WP	1-2 lb/100 gal	4-8 lb/A	24	0	[2.8]
Diown for	or Captan 80 WDG	1 2 10/100 gai	2.5-5 lb/A	24	0	[2.0]
	or Captec 4L	0.75-1 qt/100 gal	2.5 5 10/11	24	0	
	Elevate 50WDG	0.70 1 qw 100 gwi	1.5 lb/A	12	0	-
	Fontelis 1.67		14-20 fl oz/A	12	0	-
	Indar 2F		6 fl oz/A	12	0	_
	Inspire Super		16-20 fl oz/A	12	2	-
	Merivon		4.0-6.7 fl oz/A	12	0	-
	Pristine 38WDG		10.5-14.5 oz/A	12	0	-
	Quash 50WDG		2.5-4.0 oz/A	12	14	-
	Rally 40WSP		2.5-6 oz/A	24	0	-
	Thiram Granuflo	1.2 lb/100 gal	3.5 lb/A	24	7	[2.3]
	Tilt 3.6EC	1.2 10/100 gai	4 fl oz/A	12	0	[2.5]
	Sulfur 92WP	5-10 lb/100 gal	111 02/11	24	0	-
	§Microthiol Disperss	2 10 10/100 gar	10-20 lb/A	24	0	-
	or other (§)sulfur products	See labels	10 20 10,11		· ·	
Peach scab	Captan 50WP	1-2 lb/100 gal	4-8 lb/A	24	0	[4.2]
	or Captan 80 WDG	10, 100 8	2.5-5 lb/A	24	0	[]
	or Captec 4L	0.75-1 qt/100 gal		24	0	
	Gem 500SC	1 5	1.9-3.8 oz/A	12	1	-
	Inspire Super		16-20 fl oz/A	12	2	-
	Sulfur 92WP	6-8 lb/100 gal		24	0	_
	or §Microthiol Disperss 80DF		6-12 lb/A	24	0	
	Thiram Granuflo	1.2 lb/100 gal	3.5 lb/A	24	7	[2.3]
	Topsin M 70WP		0.5-0.75 lb/A	48	1	. ,
	plus:					
	Captan 80 WDG		1.25-2.5 lb/A	24	0	
Powdery mildew	Sulfur 92WP	5-10 lb/100 gal		24	0	[7.2]
(rusty spot)	§Microthiol Disperss		10-20 lb/A	24	0	_
	Inspire Super		16-20 fl oz/A	12	2	<del>-</del>
	Quintec 2.08EC		7 fl oz/A	12	7	<del>-</del>
European red	Acramite 50WS		0.75-1.0 lb/A	12	3	[12.2]
mite,	Apollo 4SC		2.0-8.0 oz/A	12	21	
Twospotted	Envidor 2SC		16-18 fl oz/A	12	7	[12.2]
spider mite	Nexter 75WS		4.4-10.7 oz/A	12	7	[12.2]
	Onager 1EC		12-24 fl oz/A	12	28	. ,
	Portal		2 pts/A	12	365	[12.3]

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Pest	Product	A m+/100 asl	Amt/A	REI (hrs)	PHI	Comments
	mer Sprays (continued)	Amt/100 gal	AIIIUA	(III'S)	(days)	(see text)
European red	Savey 50DF		3.0-6.0 oz/A	12	28	
mite,	*Vendex 50WP		1.0-2.0 lb/A	48	14	
Twospotted	Zeal 72 WS		2.0-3.0 oz/A	12	7	_
spider mite	Zeai /2 wS		2.0-3.0 0Z/A	12	,	
(continued)						
Green peach	Actara		3.0-4.0 oz/A	12	14	[13.1]
aphid	Admire Pro		1.4-2.8 fl oz/A	12	0	_
	Assail 30SG		2.5-5.3 oz/A	12	7	_
	Beleaf 50SG		2.0-2.8 oz/A	12	14	_
	*Lannate LV 2.4L	0.75 pt/100 gal	3 pt/A	96	4	[13.1]
	or *Lannate 90SP	0.25 lb/100 gal	1 lb/A	96	4	_
	Movento		6.0-9.0 fl oz/A	24	7	
	The following pre-mix products and insecticide resistance mana- species are present and appropriaction contained in the product.	gement, its use should be iately matched to the co	be reserved for situ	iations v	vhen mult	iple pest
	*Endigo ZC		5-5.5 fl oz/A	24	14	
	Voliam Flexi WDG		4.0-7.0 oz/A	12	14	
Japanese Beetle	Admire Pro		1.4-2.8 fl oz/A	12	0	[14.2]
	Assail 30SG		5.3-8.0 oz/A	12	7	
			0 1 4 0 5 11 / 4	4 1 4	1.4	[14.3]
	Imidan 70W	0.75-1.0 lb/100 gal	2.1-4.25 lb/A	4-14 days	14	[14.5]
	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products	s are also labeled for us	2-3 qt/A e against this pest;	days 12 howeve	3 er, for best	t effectiveness
	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance mana species are present and appropriaction contained in the product.	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for s embination of activ	days 12 howeve ituations we ingree	3 er, for best s when mulients and	t effectiveness
	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A	days 12 however ituations we ingree	3 er, for best s when mulients and	t effectiveness
	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for s embination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A	days 12 however ituations we ingree  24 12	3 er, for best s when mulients and 14 7	t effectiveness
Lecanium scale.	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A	days 12 however ituations we ingree  24 12 24	3 er, for best s when mulients and 14 7 14	t effectiveness ultiple pest modes of
Lecanium scale, San Jose scale	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A	days 12 howeve ituations we ingree 24 12 24 12	3 er, for best s when mulients and 14 7 14 0	t effectiveness
/	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A	days 12 however ituations we ingree 24 12 24 12 12	3 er, for best s when mulients and 14 7 14 0 14	t effectiveness ultiple pest modes of
/	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for s embination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A	days 12 howeve ituations we ingree 24 12 24 12	3 er, for best s when mulients and 14 7 14 0	t effectiveness ultiple pest modes of
San Jose scale	Imidan 70W  Sevin XLR Plus, 4F The following pre-mix products and insecticide resistance manasspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express Admire Pro Centaur Esteem 0.86EC Movento	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for s embination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A	days 12 however ituations we ingree 24 12 24 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14	t effectiveness ultiple pest modes of
/	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for s embination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A	days 12 however ituations we ingree 24 12 24 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14	t effectiveness ultiple pest modes of
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manasspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for s ombination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A	days 12 however ituations we ingree 24 12 24 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14	t effectiveness ultiple pest modes of
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manasspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A	days 12 however ituations we ingree 24 12 24 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14	t effectiveness ultiple pest modes of
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:  §Checkmate OFM Dispenser	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A  100-200  dispensers/A	days 12 however ituations we ingree 24 12 24 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14	t effectiveness ultiple pest modes of
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:  §Checkmate OFM Dispenser  or Checkmate OFM Flowable or Isomate-M 100  Altacor 35 WDG	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A  100-200  dispensers/A  1.3-2.9 fl oz/A	days 12 however ituations we ingree 24 12 24 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14	t effectiveness ultiple pest modes of [11.2]
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product. *Endigo ZC *Leverage 360 *Voliam Express Admire Pro Centaur Esteem 0.86EC Movento  (§)Pheromone disruption: §Checkmate OFM Dispenser or Checkmate OFM Flowable or Isomate-M 100	s are also labeled for use gement, their use should iately matched to the co	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A  100-200  dispensers/A  1.3-2.9 fl oz/A  100 ties/A	days 12 however ituations we ingree  24 12 24 12 12 12 24	3 er, for best s when mulients and 14 7 14 0 14 14 7	t effectiveness ultiple pest modes of [11.2]
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:  §Checkmate OFM Dispenser  or Checkmate OFM Flowable or Isomate-M 100  Altacor 35 WDG	s are also labeled for using gement, their use should inately matched to the control of the cont	2-3 qt/A e against this pest; d be reserved for s ombination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A  100-200  dispensers/A  1.3-2.9 fl oz/A  100 ties/A  3.0-4.5 oz/A  4.8-14.5 fl	days 12 however ituations we ingree  24 12 24 12 12 12 12 4 4	3 er, for best s when mulients and 14 7 14 0 14 14 7	t effectiveness ultiple pest modes of [11.2]
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:  §Checkmate OFM Dispenser  or Checkmate OFM Flowable or Isomate-M 100  Altacor 35 WDG  *Asana XL 0.66EC	s are also labeled for using gement, their use should inately matched to the control of the cont	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A 2.4-2.8 fl oz/A 1.4-2.8 fl oz/A 34.5-46 oz/A 13-16 fl oz/A 6.0-9.0 fl oz/A 100-200 dispensers/A 1.3-2.9 fl oz/A 100 ties/A 3.0-4.5 oz/A 4.8-14.5 fl oz/A	days 12 however ituations re ingree  24 12 24 12 12 24 12 12 12 24	3 er, for best s when mulients and 14 7 14 0 14 14 7 10 14 14 7	t effectiveness ultiple pest modes of [11.2]
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F  The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express  Admire Pro  Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:  §Checkmate OFM Dispenser  or Checkmate OFM Flowable or Isomate-M 100  Altacor 35 WDG  *Asana XL 0.66EC  Assail 30SG	s are also labeled for using gement, their use should inately matched to the control of the cont	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A  100-200 dispensers/A  1.3-2.9 fl oz/A  100 ties/A  3.0-4.5 oz/A  4.8-14.5 fl oz/A  5.3-8.0 oz/A	days 12 however ituations we ingree  24 12 24 12 12 12 12 12 12 12 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14 7 10 14 7 10 14 7 10 14 7 10 14 7 10 14 7 10 14 7 10 14 7 14 7	t effectiveness ultiple pest modes of [11.2]
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product. *Endigo ZC *Leverage 360 *Voliam Express Admire Pro Centaur Esteem 0.86EC Movento (§)Pheromone disruption: §Checkmate OFM Dispenser or Checkmate OFM Flowable or Isomate-M 100 Altacor 35 WDG *Asana XL 0.66EC  Assail 30SG Avaunt 30 WDG	s are also labeled for using gement, their use should inately matched to the control of the cont	2-3 qt/A e against this pest; d be reserved for sombination of active  5-5.5 fl oz/A  2.4-2.8 fl oz/A  6-12 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A  100-200  dispensers/A  1.3-2.9 fl oz/A  100 ties/A  3.0-4.5 oz/A  4.8-14.5 fl oz/A  5.3-8.0 oz/A  5.0-6.0 oz/A	days 12 however ituations //e ingred 24 12 12 12 12 12 24 12 12 12 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 14 7 10 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 7 14 14 14 7 14 14 14 7 14 14 14 7 14 14 14 7 14 14 14 7 14 14 14 7 14 14 14 7 14 14 14 14 14 14 14 14 14 14 14 14 14	t effectiveness ultiple pest modes of [11.2]
San Jose scale Oriental fruit	Imidan 70W  Sevin XLR Plus, 4F The following pre-mix products and insecticide resistance manaspecies are present and appropriaction contained in the product.  *Endigo ZC  *Leverage 360  *Voliam Express Admire Pro Centaur  Esteem 0.86EC  Movento  (§)Pheromone disruption:  §Checkmate OFM Dispenser  or Checkmate OFM Flowable or Isomate-M 100  Altacor 35 WDG  *Asana XL 0.66EC  Assail 30SG  Avaunt 30 WDG  *Baythroid XL 1L	s are also labeled for using gement, their use should inately matched to the control of the cont	2-3 qt/A e against this pest; d be reserved for s ombination of activ  5-5.5 fl oz/A  2.4-2.8 fl oz/A  1.4-2.8 fl oz/A  34.5-46 oz/A  13-16 fl oz/A  6.0-9.0 fl oz/A  100-200 dispensers/A  1.3-2.9 fl oz/A  100 ties/A  3.0-4.5 oz/A  4.8-14.5 fl oz/A  5.3-8.0 oz/A  5.0-6.0 oz/A  2.0-2.4 fl oz/A	days 12 however ituations we ingree  24 12 24 12 12 12 12 24 12 12 12 12 12 12 12 12 12	3 er, for best s when mulients and 14 7 14 0 14 7 14 7 14 7 14 7 14 7	t effectiveness ultiple pest modes of [11.2]

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Pest	Product	Amt/100 gal	Amt/A	REI (hrs)	PHI (days)	Comments (see text)				
	mer Sprays (continued)	Ami, 100 gai	11111(/11	(III S)	(uays)	(see text)				
Oriental fruit	§Entrust 80WP	0.4-0.8 oz/100 gal	1.25-2.5 oz/A	4	1					
moth (continued)	Imidan 70W	0.75-1.0 lb/100 gal	2.1-4.25 lb/A	14 days	14	[16.4]				
	Intrepid 2F	0.70 1.0 10/100 gar	10-16 fl oz/A	4	7	[10.1]				
	Proaxis 0.5CS		2.6-5.1 fl oz/A	24	14	-				
	Sevin XLR Plus, 4F		2-3 qt/A	12	3	-				
	*Warrior II		1.3-2.6 fl oz/A	24	14	-				
	The following pre-mix products	are also labeled for use				t effectiveness				
	and insecticide resistance manage									
	species are present and appropri	ately matched to the co	mbination of acti	ive ingred	ients and	modes of				
	action contained in the product.									
	*Endigo ZC		5-5.5 fl oz/A	24	14	_				
	*Leverage 360		2.4-2.8 fl oz/A	12	7	_				
	Tourismo		10-14 fl oz/A	12	14	_				
	Voliam Flexi WDG		4.0-7.0 oz/A	12	14	_				
	*Voliam Xpress		6-12 fl oz/A	24	14					
American plum	*Asana XL 0.66EC	2.0-5.8 fl oz/100 gal	4.8-14.5 fl oz/A	12	14	[17.3]				
borer, Peachtree	*Baythroid XL 1EC		1.4-2.0 fl oz/A	12	7	=				
borer, Lesser Peachtree borer	*Lorsban 4EC	3 qt/100 gal		96	14					
reachtree borer	or Lorsban 75WG	4 lb/100 gal		96	14					
	or *Lorsban Advanced 3.8EC	3 qt/100 gal	6 4 16 /4	96	14	_				
	*Pounce 25WP		6.4-16 oz/A	12	14	_				
	Proaxis 0.5CS		2.6-5.1 fl oz/A	24	14	_				
	*Warrior II	1 11 1 10	1.3-2.6 fl oz/A	24	14					
		The following pre-mix products are also labeled for use against this pest; however, for best effectivenes and insecticide resistance management, its use should be reserved for situations when multiple pest								
	species are present and appropri									
	action contained in the product.	atery materied to the co	momation of acti	ive ingred	icitis and	modes of				
	*Endigo ZC		5-5.5 fl oz/A	24	14					
	*Leverage 360		2.4-2.8 fl oz/A	12	7	_				
	*Voliam Xpress		6-12 fl oz/A	24	14	_				
Spotted wing	*Asana XL 0.66EC	2.0-5.8 fl oz/100 gal	4.8-14.5 fl oz/A	12	14	[19.3]				
Drosophila	Actara		4.5-5.5 oz/A	12	14					
	Admire Pro		1.4-2.8 oz/A	12	0					
	Assail	5.3-8 oz/100 gal		12	7					
	*Baythroid XL		2.4-2.8 fl oz/A	12	7	-				
	*Danitol 2.4EC		10.7-21.3 fl oz/A	24	3	-				
	Delegate 25WG		6-7 oz/A	4	1	-				
	Delegate 23 W G		0-/ 0Z/A	4	1	_				
		1 mt/100 col		06	2.1					
	*Diazinon AG500	1 pt/100 gal	1 25 2 5/4	96	21	_				
	*Diazinon AG500 §Entrust 80WP	0.4-0.8 oz/100 gal	1.25-2.5 oz/A	4	1					
	*Diazinon AG500 §Entrust 80WP Imidan 70W	<u> </u>	2.13-4.25 lb/A	4 96	1 14	- [19.4]				
	*Diazinon AG500 §Entrust 80WP Imidan 70W *Lannate 2.4LV	0.4-0.8 oz/100 gal	2.13-4.25 lb/A 3 pt/A	4 96 96	1 14 4	[19.4] [19.3]				
	*Diazinon AG500 §Entrust 80WP Imidan 70W *Lannate 2.4LV or *Lannate 90SP	0.4-0.8 oz/100 gal	2.13-4.25 lb/A 3 pt/A 1 lb/A	4 96 96 96	1 14 4 4					
	*Diazinon AG500 §Entrust 80WP Imidan 70W *Lannate 2.4LV or *Lannate 90SP Malathion 5EC	0.4-0.8 oz/100 gal	2.13-4.25 lb/A 3 pt/A 1 lb/A 2.5-4.8 pts/A	4 96 96 96 24	1 14 4 4 7					
	*Diazinon AG500 §Entrust 80WP Imidan 70W *Lannate 2.4LV or *Lannate 90SP	0.4-0.8 oz/100 gal	2.13-4.25 lb/A 3 pt/A 1 lb/A 2.5-4.8 pts/A 4 oz./A	4 96 96 96 24 12	1 14 4 4	[19.3]				
	*Diazinon AG500 §Entrust 80WP Imidan 70W *Lannate 2.4LV or *Lannate 90SP Malathion 5EC	0.4-0.8 oz/100 gal	2.13-4.25 lb/A 3 pt/A 1 lb/A 2.5-4.8 pts/A	4 96 96 96 24	1 14 4 4 7					

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Dont	D J 4	A 4/100 1	A 4/A	REI	PHI	Comments
Pest	Product ner Sprays (continued)	Amt/100 gal	Amt/A	(hrs)	(days)	(see text)
Spotted wing	Venom		2-4 oz	12	3	[19.5]
Drosophila	The following pre-mix product is als	o labeled for use a				
(continued)	and insecticide resistance manageme	ent, their use should	d be reserved for si	tuations	s when mu	ıltiple pest
	species are present and appropriately	matched to the co	mbination of activ	e ingred	lients and	modes of
	action contained in the product.		2.4.2.0.01 /4	10	7	
C4'1- b	*Leverage 360		2.4-2.8 fl oz/A	12	7	[20, 2]
Stink bugs, including Brown	Actara		3.0-4.0 oz/A	12	14	[20.2]
marmorated	Assail 30SG		5.3-8.0 oz/A	12	7	- [20.2]
stink bug	Belay		6.0 fl oz/A	12	21	[20.2]
	*Danitol 2.4EC		10.7-21.3 fl oz/A	24	3	[20.2]
	*Lannate 2.4LV		2.25 pt/A	96	4	[20.2]
	or *Lannate 90SP		0.75 lb/A 5.25-7 fl oz/A	96	3	_
	Scorpion *Warrior IICS		1.28-2.56 fl oz/A	24	<u>3</u> 14	_
		also labaled for us				+ offortivanass
	The following pre-mix products are and insecticide resistance management					
	species are present and appropriately					
	action contained in the product.					
	*Endigo ZC		5-5.5 fl oz/A	24	14	<u> </u>
	*Leverage 360		2.4-2.8 fl oz/A	12	7	_
	Voliam Flexi		6-7 fl oz/A	12	14	
Tarnished plant	Actara		4.5-5.5 oz/A	12	14	[21.2, 21.3]
bug	-	0-5.8 fl oz/100 gal	4.8-14.5 fl oz/A	12	14	
	Assail 30SG		5.3-8.0 oz/A	12	7	_
	*Baythroid XL 1 L		2.0-2.4 fl oz/A	12	7	
	Belay 2.1 EC		6 fl oz/A	12	21	[21.3]
	Beleaf 50SG		2.0-2.8 oz/A	12	14	_
	*Danitol 2.4EC		10.7-21.3 fl oz/A	24	3	_
		0.75 pt/100 gal	3 pt/A	96	4	[21.3]
		0.25 lb/100 gal	1 lb/A	96	4	_
	*Pounce 25WP		6.4-16.0 oz/A	12	14	_
	Proaxis 0.5CS  *Warrior II 2.08 CS		2.6-5.1fl oz/A 1.3-2.5 fl oz/A	24	14	_
	The following pre-mix products are	also laboled for us				t offoativanass
	and insecticide resistance management					
	species are present and appropriately					
	action contained in the product.			υ		
	*Endigo ZC		5-5.5 fl oz/A	24	14	
	*Leverage 360		2.4-2.8 fl oz/A	12	7	
	Voliam Flexi WDG		4.0-7.0 oz/A	12	14	
	*Voliam Xpress		6-12 fl oz/A	24	14	
Western flower	Actara 25WDG		4.5-5.5 oz/A	12	14	[22.2]
thrips	§Entrust 80WP		1.25-2.5 oz/A	4	1	_
	Delegate WG		4.5-7 oz/A	4	1	_

Table 14.1.1. Pesticide Spray Table – Peaches and Nectarines.

Refer to label for registration status before applying any pesticide to nectarines.

Pest	Product	Amt/100 gal	Amt/A	REI (hrs)	PHI (days)	Comments (see text)
Additional Sumr	ner Sprays (continued)	8				
Western flower thrips (continued)	The following pre-mix products and insecticide resistance mana species are present and appropriaction contained in the product.	gement, their use should iately matched to the co	d be reserved for	situation	s when m	ultiple pest
	*Endigo ZC		5-5.5 fl oz/A	24	14	
	Voliam Flexi WDG		4.0-7.0 oz/A	12	14	
	*Voliam Xpress		6-12 oz/A	24	14	
X-Disease	Remove chokecherries	See comments				[9.1], [9.2]
Control of Stora	ge Disorders					
Storage rots	Scholar SC	16 fl oz/100 gal (see comments & label)				[23.1]
After Harvest, Be	efore Leaf Drop					
Prunus stem pitting virus	Product 2,4-D as described in the cover"	he weed control section	for "Dandelion a	and other	broadleaf	weeds in sod

#### 14.2 Diseases

#### 14.2.1 Bacterial Spot

#### • Biology & Cultural

[1.1] Bacterial spot is a devastating disease of peaches and nectarines as well as plums, prunes and apricots. This disease is most likely to be a problem on susceptible varieties (e.g., Autumnglo, Babygold 5, Redhaven, California white-fleshed varieties, nectarines). Any variety developed in drier climates and then grown in the more humid climate of New England has a strong likely hood of being susceptible. Also, this disease will be more severe in the warmer southern portions of New England, in wet years, in orchards with lighter (sandy) soils, and in windy orchard sites. The bacterial spot pathogen, Xanthomonas arboricola pv. pruni infects leaf scars at leaf drop and overwinters in infected twigs. Bacteria populations subsequently multiply during warm weather and ooze out during spring rains. Immature tissues are less susceptible to the bacterial infection, and as such, infections will not begin until petal fall/shuck split. Early season §copper applications are quite effective for controlling the bacterial populations, but are also likely to induce phytotoxicity if one is not careful. Moreover, copper phytotoxicity can cause symptoms similar to that of bacterial spot. Do not plant susceptible peach varieties near plums, prunes, or apricots. Prunes, plum, and apricots are also susceptible to bacterial spot, and no materials are registered for use on bacterial spot of prunes, plum, and apricots.

### • Pesticide Application Notes

[1.2] Where susceptible varieties are planted, a delayed dormant application of (§)copper may help reduce bacterial spot disease pressure for the season. Along these lines, if applications of copper were made to manage peach

leaf curl, these applications will substitute for those needed for bacterial spot. Apply copper with caution. Peaches are very susceptible to copper injury, especially after bud break. Copper phytotoxicity will be exacerbated by cool wet weather and environmental acidity.

[1.3] Where control is needed, apply sprays of oxytetracycline products such as Mycoshield or FireLine every 7-10 days from shuck split until 3 wk before harvest. The sprays immediately after shuck split are the most important for protecting the fruit. Thorough coverage is essential. Copper sprays applied for peach leaf curl at leaf drop should also aid in bacterial spot control.

[1.4] Low rates of copper can be applied post-bloom to reduce harvest damage and build up of bacterial populations in susceptible varieties. Take caution with post-bloom copper applications. These copper applications may result in phytotoxicity, especially if no rains occur between applications. If copper sprays are applied under acidic conditions (e.g., with LI-700 or other acidifiers) these may be more phytotoxic than copper applied alone. Copper products should be alternated with oxytetracycline products (e.g. Mycoshield, FireLine) for resistance management. See 1.3 above. This approach also reduces phtotoxicity from the copper and lowers the overall cost as compared to using oxytetracycline alone.

Kocide 3000 is the only copper product that can be applied up to six times after bloom. However, the recommended rate for foliar applications is only 0.75 to 1.5 oz/A which is **much lower** than label rates. The low rates are needed to prevent damage to the leaves and fruit, especially on nectarines. Other copper products allow postbloom applications but are limited to first and second covers. If other copper products are used, the rates need to be much lower than those stated on the label. Consult with your state fruit specialist or crop advisor for rate information.