

matched to the combination of active ingredients and modes of action contained in the product.

combination of active ingredients and modes of action contained in the product.

Redbanded Leafroller

• Biology & Cultural

Refer to the reference materials list at the end of this publication for a Fact Sheet containing details on the biology and management of this pest.

• Pesticide Application Notes

[16.1] Two sprays, from mid-July to early August, for 2nd brood control in problem blocks; note PHI restrictions. For best effectiveness and insecticide resistance management, the use of pre-mixes such as *Leverage should be reserved for those situations when the pest complex to be treated is appropriately matched to the

Tarnished Plant Bug, Pear Plant Bug

Refer to the reference materials list at the end of this publication for a Fact Sheet containing details on the biology and management of this pest.

• Pesticide Application Notes

[17.1] Recommended spray timing is from green cluster to white bud. . For best effectiveness and insecticide resistance management, the use of pre-mixes such as *Leverage or *Voliam Xpress should be reserved for those situations when the pest complex to be treated is appropriately matched to the combination of active ingredients and modes of action contained in the product. Suggested action threshold: plant bugs—3 bleeding sites/tree, or a cumulative catch of 7 adults by white bud stage (white sticky-board trap). See [12.7].

12.3 Pear Spray Table

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comment (see text)
Dormant						
Fire blight and Pseudomonas spur blight	Bordeaux mixture, 8-8-100 (copper sulfate) (spray lime)	8 lb/100 gal		24	BL	[2.3]
	<i>plus</i> §oil	1 qt/100 gal				
	<i>OR</i> C-O-C-S 8 lb	2-4 lb/100 gal		24	BL	
	<i>OR</i> Cuprofix Ultra 40 Disperss		7.5-10 lb./A	48	GT	
	<i>OR</i> Kocide 3000	0.5 lb/100 gal		48	HIG	
	<i>OR</i> §Champ WG or other(§)coppers	see comments		8-16 lb./A	24	HIG
Pear psylla, European red mite	(§)oil	3 gal/100 gal		12	0	[12.1]
Pearleaf blister mite	oil	1-1.5 gal/100 gal				[14.1]
	<i>plus</i> *Diazinon 50WP	1 lb/100 gal		96	21	
	<i>OR</i> oil	1-1.5 gal/100 gal				
	<i>plus</i> *Thionex 50WP or *Thionex 3EC	0.5-1 lb/100 gal or 0.33/0.67 qt/100 gal		20 days or 7 days	20 or 7	
Swollen Bud						
Pear midge	*Guthion 50WS	0.5-0.75 lb/100gal		14 days(E)	14	[11.1]
Pear psylla	Actara 25WDG		5.5 oz/A	12	35	[12.2]
	<i>OR</i> *Agri-Mek 0.15EC	2.5-5.0 fl oz/100 gal		12	28	[12.5]

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comment (see text)
Swollen Bud (continued)						
Pear psylla (continued)	OR *Calypso 4F	1-2 fl oz/100 gal		12	30	
	OR Delegate 25WG		6.0-7.0 oz./A	4	7	[12.5]
	OR Esteem 35WP		4-5 oz/A	12	45	[12.5]
	OR Movento 240SC		6-9 oz/acre	24	7	[12.5]
	OR Portal 0.4EC		1-2 pt/acre	12	14	[12.5]
	OR *Proaxis 0.5CS		2.6-5.1 fl oz/A	24	21	
	OR *Proclaim	0.8-1.2 oz/100	3.2-4.8 oz/A	12	14	
	OR Nexter 75WS		6.6-10.7 oz/A	12	7	
		Ambush EC (or equivalent dose of Perm-Up, Pounce)		12.8-25.6 fl oz/A	12	Pre-bloom
Green Cluster						
Fabraea leaf spot	Same materials as recommended for pear scab					[1.2]
Pear scab	Topsin M WSB, 70WP	4 oz./100 gal	1 lb	48	1	[3.2]
	or Thiophanate-methyl 85WDG	3.2 oz./100 gal		72	1	
	or T-Methyl 70W	0.25 lb	1 lb	48	1	
	or Vintage SCC	4 fl oz./100 gal				
	or Procure 50WP	4 oz./100gal				
	or Inspire Super MP					
	plus					
	Dithane/*Manzate/ Penncozeb 75DF	1 lb/100 gal		24	BL, 77 (A)	[3.3]
	OR Dithane/*Manzate/ Penncozeb 75DF	1-2 lb/100 gal		24	BL, 77 (A)	[3.3]
OR Tebuzol 45DF	2 oz	4-8 oz	120	75		
OR Ziram 76DF	1.5-2 lb/100 gal		48	14		
OR Adament 50WG		4-5 oz	12	75		
Pear Midge	*Guthion 50WS	0.5-0.75 lb/100 gal		14 days(E)	14-21(A)	[11.1]
Tarnished plant bug, plant bug	*Asana XL 0.66EC	2-5.8 oz/100 gal		12	28	[17.1]
	OR *Baythroid XL 1E		2.0-2.4 fl oz/A	12	7	
	OR Beleaf 50SG		2.0-2.8 oz/A	12	21	
	OR *Brigade 10WS		6.4-32 oz/A	12	14	
	OR *Danitol 2.4EC		16-21.3 fl oz/A	24	14	
	OR *Guthion 50WS	0.5-0.75 lb/100 gal		14 days (E)	14-21(A)	
	OR *Leverage2.7SE		3.6-4.4 fl oz/A	12	7	
	or *Leverage 360	See label	2.4-2.8 fl oz/A	12	7	
	OR *Pounce 3.2E		8-16 fl oz/A	12	PB	
OR *Proaxis 0.5CS		2.6-5.1 fl oz/A	24	21		

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comment (see text)
Green Cluster (continued)						
Tarnished plant bug, plant bug (continued)	OR *Warrior II 2.08 CS		1.28-2.56 fl oz/A	24	21	
White Bud						
Fabraea leaf spot	See Green Cluster sprays					
Pear scab	Choose from materials listed under Green Cluster					
	OR Flint 50WG	0.67-0.8 oz/100 gal		12	14	[3.4]
	OR Sovran 50WG	1.0-1.6 oz/100 gal		12	30	
Pear psylla	See Swollen Bud sprays					
Bloom						
Fire blight	§Agri-mycin 17WP or Streptrol 17WP or Firewall 17WP	0.5 lb/100 gal		12	30	[2.1]
	OR §Agri-mycin 17WP or Streptrol 17WP or Firewall 17WP	0.25 lb/100 gal		12	30	
	<i>plus</i> Glycerine (CP or USP grade) or Regulaid	2 qt/100 gal 0.25 pt/100 gal				
	OR Mycoshield	1.0 lb		12	60	[2.6]
	OR §Serenade ASO		2-6 qt	4	0	[2.7]
	OR Bloomtime Biological FD		150 g	4	PF	[2.5]
Pear scab, Fabraea leaf spot	Choose from materials listed previously					
Petal Fall						
Pear scab, Fabraea leaf spot	Choose from materials listed previously					
	OR Vintage SC	3 fl oz/100 gal		24	30	[3.5]
	<i>plus</i> Dithane/*Manzate/ Penncozeb 75DF	1 lb/100 gal		24	BL/77(A)	[3.3]
	Topsin M WSB or Thiophanate-methyl 85WDG	0.25 lb/100 gal 3.2 oz/100 gal	1 lb/A	48 72	1 1	
	OR Flint 50WG	0.67-0.8 oz/100 gal	2-2.5 fl oz/A	12	14	[3.4]
	OR Sovran 50WG	1.0-1.6 oz/100 gal	3.2-6.4 oz/A	12	30	
	OR Pristine 38WG		14.5-18.5 oz/A	12	0	
	OR Ziram 76DF	24-32 oz/100 gal		48	14	

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comments (see text)
Petal Fall (continued)						
Aphids, including spirea aphid	Assail 30SG		2.5-4.0 oz/A	12	7	
	OR §Aza-Direct 1.2L		16-32 fl oz/A	4	0	
	OR Beleaf 50SG		2.0-2.8 oz/A	12	21	
	OR Calypso 4F	1-2 fl oz/100 gal		12	30	[5.2]
	OR *Dimethoate 4EC	0.5 pt/100 gal		48	28	
	OR *Leverage 2.7SE	3.6-4.4 fl oz/A		12	7	
	OR §M-Pede 49L	1-2 gal/100gal		12	0	
	OR Movento 240SC		6-9 oz/acre	24	7	[5.1]
	OR Provado 1.6F	5 fl oz/100 gal		12	7	
OR *Thionex 50WP	1 lb/100 gal		20 days	20	[5.1]	
Comstock mealybug	Actara 25WDG		4.5-5.5 oz/A	12	35	[7.1]
	OR Assail 30SG		4.0-4.8 oz/A	12	7	
	OR Calypso 4F	1-2 fl oz/100 gal		12	30	
	OR *Centaur		34.5-46 oz/acre	12	14	[12.5]
	OR *Diazinon 50WP	1 lb/100 gal		96	21	
	OR Movento 240SC		6-9 oz/acre	24	7	
	OR Portal 0.4EC		1-2 pt/acre	12	14	
	OR Provado 1.6F	5 fl oz/100 gal		12	7	
Green fruitworms	Altacor 35WDG		2.5-4 oz/acre	4	5	[9.1]
	OR *Asana XL 0.66EC	2-5.8 fl oz/100 gal		12	28	[9.1]
	OR *Assail 30SG		4.0-8.0 oz/A	12	7	
	OR Baythroid XL 1E		1.4-2.0 fl oz/A	12	7	
	OR *Lannate 2.4L	0.75 pt/100 gal		48-96(E)	7	
	OR *Leverage 2.7SE		3.0-3.6 fl oz/A	12	7	
	OR *Proaxis 0.5CS		2.6-5.1 fl oz/A	24	21	
	OR *Proclaim 5SG	0.8-1.2 oz/100 gal		12	14	
	OR *Thionex 50WP	1 lb/100		20 days	20	
	OR or Thionex 3EC	21.3 oz/100 gal		7 days	7	
OR *Warrior 1CS		2.6-5.1 fl oz/A	24	21		
OR or *Warrior II 2.08 CS		1.28-2.56 fl oz/A	24	21		
Pear psylla	Actara 25WDG		5.5 oz/A	12	35	[12.5]
	OR *Agri-Mek 0.15EC	2.5-5.0 fl oz/100 gal		12	28	[12.5]
	OR *Calypso 4F	1-2 fl oz/100 gal		12	30	
	OR Delegate 25WG		6.0-7.0 oz./A	4	7	[12.5]
	OR Esteem 35WP		4-5 oz/A	12	45	[12.5]
	OR Movento 240SC		6-9 oz/acre	24	7	[12.5]
	OR Portal 0.4EC		1-2 pt/acre	12	14	[12.5]
	OR *Proaxis 0.5CS		2.6-5.1 fl oz/A	24	21	
	OR *Proclaim	0.8-1.2 oz/100	3.2-4.8 oz/A	12	14	

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comment (see text)
Petal Fall (continued)						
Pear psylla (continued)	OR Nexter 75WS		6.6-10.7 oz/A	12	7	
<i>Insecticides with “Fair” efficacy rating for pear psylla. –</i>						
	Assail 30SG		4.0-8.0 oz/A	12	7	
	OR *Asana XL 0.66EC	2.0-5.8 fl oz/100 gal		12	28	
	OR *Baythroid XL 1E		2.4-2.8 fl oz/A	12	7	
	OR Belay	1.5-3 oz/100 gal	6-12 oz/A	12	7	
	OR *Brigade 10WSB		6.4-32 oz/A	12	14	
	or *Brigade 2EC		2.6-12.8 fl oz/A	12	14	
	OR *Centaur		34.5-46 oz/acre	12	14	
	OR *Clutch	1.0-1.5 oz/100 gal	4-6 oz/acre	12	7	
	OR *Danitol 2.4EC		16-21.3 fl oz/A	24	14	
	OR *Leverage 2.7SE	see label	3.6-4.4 fl oz/A	12	7	
	or *Leverage 360	see label	2.4-2.8 fl oz/A	12	7	
	OR §M-Pede 49L	1-2 gal/100 gal		12	0	
	OR §summer oil	1.5-2 gal/100 gal		4	0	
	OR Provado 1.6F		20 fl oz/A	12	7	
	OR §Surround 95WP		50 lb/A	4	0	
	OR Turismo		12-17 fl oz/A	12	14	
	OR *Warrior		2.6-5.1 fl oz/A	24	21	
	OR *Warrior II		1.3-2.5 fl oz/A	24	21	[12.2]
Pear rust mite	*Agri-Mek 0.15EC	2.5-5.0 fl oz/100 gal		12	28	[13.1]
	OR Nexter 75WS	5.2-10.7 oz/A		12	7	
	OR Portal 0.4EC		1-2 pt/acre	12	14	[8.1]
	OR *Vendex 50WP	6-8 oz/100 gal		48	14	
Plum curculio	Actara 25WDG		4.5-5.5 oz/A	12	35	
	OR *Asana XL 0.66EC	2.0-5.8 fl oz/100 gal		12	28	
	OR *Baythroid XL 1E		2.4-2.8 fl oz/A	12	7	
	OR *Brigade 10WSB		6.4-32 oz/A	12	14	
	or Brigade 2EC		2.6-12.8 fl oz/A	12	14	
	OR *Guthion 50WS	0.5-0.75 lb/100 gal		14 days(E)	14-21(A)	
	OR Imidan 70WP	0.75-1 lb/100 gal		72	7	
	OR *Leverage 2.7SE		4.4-5.1 fl oz/A	12	7	
	OR *Leverage 360	See label	2.4-2.8 fl oz/acre	12	7	
	OR *Proaxis 0.5CS		2.6-5.1 fl oz/A	24	21	
	OR §Surround 95WP		50 lb/A	4	0	[12.6]
	OR *Voliam Xpress	See label	6-12 fl oz/acre	24	21	
	OR *Warrior 1CS		2.6-5.1 fl oz/A	24	21	
	or *Warrior II 2.08 CS		1.28-2.56 fl oz/A	24	21	

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comment (see text)
Petal Fall (continued)						
Obliquebanded leafroller	Altacor 35WDG	see label	2.5-4.5 oz/A	4	5	
	OR §Biobit XL 2.1FC		1.5-5.5 pt/A	4	0	
	OR Delegate 25WG		4.5-7.0 oz/A	4	7	
	OR §Deliver 18WG		0.5-2 lb/A	4	0	
	OR §Dipel 10.3DF		0.5-2 lb/A	4	0	
	OR §Entrust 80WP	0.67-1.0 oz/100 gal		4	7	
	OR Intrepid 2F		8-16 fl oz/A	4	14	
	OR §Javelin 7.5 WDG		0.5-4 lb/A	4	0	
	OR *Lannate 2.4L or *Lannate 90SP	0.75 pt/100 gal 0.25 lb/100 gal		48-96(E)	7	
	OR *Proclaim 5SG	0.8-1.2 oz/100 gal		12 or 48	14	
OR *Voliam Xpress	see lable	6-12 fl oz/acre	2	21		
Additional Summer Sprays						
Fire blight (ONLY after a hailstorm)	§Agri-mycin 17WP or Streptrol 17WP or Firewall 17WP	0.5 lb/100 gal		12	30	[2.4]
Pear scab,	Topsin M 70WSB	4 oz/100 gal		72	1	
Fabraea leaf spot,	OR Thiophanate-methyl 85WDG	3.2oz/100 gal		72	1	
Sooty blotch,	<i>plus</i> Dithane/*Manzate/Penncozeb as listed for pear scab under Green Cluster			24	BL/77 (A)	[3.6]
Black rot	OR Vintage SC	3 fl oz/100 gal		24	30	
	<i>plus:</i> Dithane/*Manzate/ Penncozeb 75DF	1 lb/100 gal		24	BL/77 (A)	[2.4]
	OR Flint 50WG	0.67-0.8 oz/100 gal		12	14	[3.4]
	OR Sovran 50WG	1.0-1.6 oz/100 gal		12	30	
	OR Pristine 38WG		14.5-18.5 oz/A	12	0	
	OR Ziram 76DF	1.5-2 lb/100 gal		48	14	
Codling moth	Altacor 35WDG	see label	2.5-4.5 oz/A	4	5	[6.1]
	OR Assail 30SG		4.0-8.0 oz/A	12	7	[6.1]
	OR *Baythroid XL 1E		2.0-2.4 fl oz/A	12	7	
	OR §Biobit XL 2.1FC		1.5-5.5 pt/A	4	0	
	OR *Calypso 4F	1-2 fl oz/100 gal		12	30	
	OR §Carpovirusine 0.99SC	0.5-1 pt/100 gal		4	0	
	OR §Cyd-X 0.06SC	1-6 fl oz/A	1-6 fl oz/A	4	0	
	OR *Danitol 2.4EC	16-21.3 fl oz/A	16-21.3 fl oz/A	24	14	
	OR Delegate 25WG	4.5-7.0 oz/A	4.5-7.0 oz/A	4	7	
	OR §Deliver 18WG	0.5-2 lb/A	0.5-2 lb/A	4	0	
	OR §Dipel 10.3DF	0.5-2 lb/A		4	0	
	OR §Entrust 80WP	0.67-1.0 oz/100 gal		4	7	

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comment (see text)
Additional Summer Sprays (continued)						
Codling moth (continued)	OR *Guthion 50WS	0.5-0.75 lb/100 gal		14 days (E)	14-21 (A)	
	OR Imidan 70WP	0.75-1 lb/100 gal		72	7	
	OR §Javelin 7.5WDG		0.5-4 lb/A	4	0	
	OR *Leverage 2.7SE		3.6-4.4 fl oz/A	12	7	
	OR or *Leverage 360		2.4-2.8 fl oz/acre	12	7	
	OR *Voliam Xpress	see label	6-12 fl oz/acre	24	21	
	OR Pheromone disruption: §Checkmate CM-F		2.4-4.8 fl oz/acre	4	0	
Comstock mealybug	Actara 25WDG		4.5-5.5 oz/A	12	35	[7.1, 7.2]
	OR Assail 30SG		4.0-8.0 oz/A	12	7	
	OR *Calypso 4F	1-2 fl oz/100 gal		12	30	
	OR *Centaur		34.5-46 oz/acre	12	14	[12.5]
	OR *Diazinon 50WP	1 lb/100 gal		96	21	
	OR Movento 240SC	see label	6-9 fl oz/A	24	7	
	OR Portal 0.4EC	see label	1-2 pt/A	12	14	
	OR *Provado 1.6F		20 fl oz/A	12	7	
European red mite, Twospotted spider mite, Pear rust mite	Acramite 50WS		1 lb/A	12	7	
	OR Apollo 4SC		4-8 oz/A	12	21	[8.1], [13.1]
	OR *Brigade 10WSB or *Brigade 2EC		12.8-32 oz/A 5.12-12.8 fl oz/acre	12	14	
	OR Envidor 2SC		16-18 fl oz/A	12	7	
	OR Portal 5EC		1-2 pt/A	12	14	
	OR Kanemite 15SC		21-31 fl oz/A	12	14	
	OR Nexter 75WS		4.4-10.7 oz/A	12	7	
	OR Onager 1EC		12-24 fl oz/A	12	28	
	OR Portal 0.4EC	see label	1-2 pt/A	12	14	
	OR Savey 50DF		3-6 oz/A	12	28	
	OR *Vendex 50WP	6-8 oz/100 gal		48	14	
	OR Zeal 72WS		2-3 oz/A	12	14	
	Obliquebanded leafroller	§Agree WG 3.8WS		1-2 lb/A	4	0
OR Altacor 35WDG		see label	2.5-4.5 oz/A	4	5	
OR *Baythroid XI 1E			2.4-2.8 fl oz/A	12	7	
OR §Biobit XL 2.1FC			1.5-5.5 pt/A	4	0	
OR Delegate 25WG			4.5-7.0 oz/A	4	7	
OR §Deliver 18WG			0.5-2 lb/A	4	0	
OR §Dipel 10.3DF			0.5-2 lb/A	4	0	

Table 12.3.1. Pesticide Spray Table – Pears

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

Pest	Product	Rate/100 gal	Rate/A	REI (hrs)	PHI (days)	Comment (see text)	
Additional Summer Sprays (continued)							
Obliquebanded leafroller (continued)	OR §Entrust 80WP	0.67-1.0 oz/100 gal		4	7		
	OR Intrepid 2F		8-16 fl oz/A	4	0		
	OR §Javelin 7.5WDG		0.5-4 lb/A	4	0		
	OR *Lannate 2.4L or *Lannate 90SP	0.75 pt/100 gal 0.25 lb/100 gal		48-96(E)	7		
	OR *Leverage 2.7SE		4.4-5.1 fl oz/A	12	7		
	OR *Proclaim 5SG	0.8-1.2 oz/100 gal		12	14		
Pear psylla	Choose from materials listed under Petal Fall, except for Esteem					[12.5]	
Pearleaf blister mite	Sevin XLR Plus, 4F or Sevin 80S, *80WS		1.5-3 qt/A 1.88-3.75 lb/A	12	3	[14.2]	
	OR oil plus *Diazinon 50WP	1-1.5 gal/100 gal 1 lb/100 gal		96	21		
	OR oil plus *Thionex 50WP or *Thionex 3EC	1-1.5 gal/100 gal 0.5-1 lb/100 gal 0.33-0.67 qt/100gal		20 days 7 days	20 7		
	Redbanded leafroller	§Agree WG 3.8WS		1-2 lb/A	4	0	[16.1]
		OR *Altacor 35WDG		2.5-4.5 oz	4	5	
		OR *Baythroid XL 1E		2.4-2.8 fl oz/A	12	7	
OR §Biobit XL 2.1FC			1.5-5.5 pt/A	4	0		
OR Delegate 25WG			4.5-7.0 oz/A	4	7		
OR §Deliver 18WG			0.5-2 lb/A	4	0		
OR §Dipel 10.3DF			0.5-2 lb/A	4	0		
OR *Guthion 50WS		0.5-0.75 lb/100 gal		14 days (E)	14-21 (A)		
OR Imidan 70WP		0.75-1 lb/100 gal		72	7		
OR §Javelin 7.5WDG			0.5-4 lb/A	4	0		
OR *Leverage 2.7SE or *Leverage 360			4.4-5.1 fl oz/A 2.4-2.8 oz	12 12	7 7		
OR *Proclaim 5SG		0.8-1.2 oz/100 gal		12	14		
OR *Voliam Xpress			6-12 oz	24	21		

Table 12.3.2. Growth Regulator Uses in Pears.*Refer to back of book for key to abbreviations and footnotes.*

Timing	Product	Concentration	Rate of Formulated Product
Chemical Thinning			
Petal Fall to 5-7 days after petal fall	Amid-Thin W	25-50 ppm	4-8 oz/100 gal
For thinning Bartlett and Bosc. Apply at petal fall or within 5-7 days after petal fall.			
7-28 days after full bloom	Fruitone-N or Fruitone-L	10-15 ppm	4-6 oz/100 gal
Directions for use on Bartlett and Bosc pears. NAA is more effective at early timings and should be applied as soon as fruit set is apparent for greatest success. Late applications may result in reduced fruit size. Do not apply when temperature is below 60°F or above 85°F. NAA will not usually adequately thin Bartlett, but the addition of a surfactant will improve thinning.			
Fruit Size 8-14 mm(7-28 days after full bloom) Maxcel, RiteWay 125-200 ppm 4-6 oz/100 gal			
Do not apply when temperature is below 60°F or above 85°F.			
Induction of Lateral Branching in Young Trees			
1-2" of terminal shoot growth	Promalin, Perlan, Typy	125-1000 ppm	0.25-2 pt/5 gal
Include a non-ionic surfactant and apply as a directed spray to areas where additional branching is desired. This practice is more effective in the second and third growing seasons after planting. Response on weak or low-vigor trees is usually disappointing. For nursery stock treat after trees have reached a terminal height at which lateral branching is desired.			
Preharvest Fruit Drop Control			
1-2 weeks before anticipated harvest	ReTain		0.74 lb/acre or 333 g/acre or (1 pouch)
Apply in sufficient water to ensure thorough but not excessive coverage. An organosilicone surfactant (12 oz/100 gal) must be used with ReTain.			
5-7 days before harvest	Fruitone-N	10-15ppm	4-6 oz /100 gal
Apply 7 days before harvest on D'Anjou, Bosc, and Bartlett. Make separate sprays to early and late maturing varieties.			
* To convert ounces to grams multiply ounces by 28.3. To convert fluid ounces to milliliters multiply fluid ounces by 29.57.			