

**CONTROL RECOMMENDATIONS FOR
INSECTS OF HOME VEGETABLE GARDENS**

Crop	Pest	Insecticide and Formulation	Amount per 1 gallon water	PHI	REI Hours	Application Procedure
Beans	Beetles	**Carbaryl 80% S	2.0 TBS	0	12	Apply as needed weekly after pod set. Not more than 3 applications per season. Lima beans, snap beans, or dry beans
		or Dimethoate 267 (Cygon)	1.0-2.0 TBS	0	48	
	Leafhoppers	Address 75S	0.5 TBS		14	
		Thiodan 50% WP	3.0 TBS	3	24	
		4% D	1.5 ozs/50 ft row	3	24	
		Orthene 75S	0.5-1.0 TBS	0	24	
	M-PEDE	3.0 TBS	0			
Beets	Webworms Vegetable weevils	Malathion 57% EC	2.0 tsps	7	12	When insects appear.
Broccoli	Caterpillars	B.t. *(Javelin, Biobit, Dipel, Thuricide, Xentari)				Use weekly wetting agent in sprays.
Cabbage	Aphids	Malathion 57% EC	2.0 tsps or 1.5 ozs/50	7 0	12	
Cauliflower Collards	Worms/Loopers	Spinosad				
		Thiodan 50WP (Phaser)	3.0 TBS	7	24	
		M-PEDE	3.0 TBS	0		
Cantaloupe	Aphids	Malathion 57% EC	2.0 tsps	3	12	When insects appear. Do not use Carbaryl for aphid control.
	Beetles	Thiodan EMS/Phaser	3.0 TBS	0	24	
	Caterpillars	50% WP or	3.0 TBS	0		
		Carbaryl 80% or	2.0 TBS		12	
		Methoxychlor 50% WP 25% EC	1.75 TBS 7.0 tsps	1 1	12 24	
Carrots	Aphids Leafhoppers Vegetable weevils	Malathion 57% EC	2.0 tsps	7	12	When insects appear.
Cucumbers	Beetles Pickleworms	Thiodan 4% D	1.5 ozs/50	0	24	Treat weekly when pickleworm is present.
		(Phaser) EMS	3.0 TBS	1	24	
		50% WP or	3.0 TBS			
		**Carbaryl 80% S	2.0 TBS	0	12	
	M-PEDE	3.0 TBS	0			
Aphids	Malathion 57%	2.0 tsps	1	12		
Eggplant	Aphids	Malathion 57% EC+	2.0 tsps	3	12	When insects appear.
		M-PEDE	3.0 TBS	0		
	Spider mites	Vendex 50 WP/4L	1.0-1.5 TBS/2.0-4.0 tsps			
	Caterpillars	**Carbaryl 80% S	2.0 TBS	12		
		B.t.* (Javelin, Biobit, Dipel, Thuricide, Xentari)				
	Flea beetles	Thiodan 50% WP	2.0 TBS	1	24	
		or Carbaryl 80% S	2.0 TBS	0	12	
Whiteflies	Thiodan 3EC	1.5 TBS	1	24		
	50% WP	2.0 TBS	1	24		

**CONTROL RECOMMENDATIONS FOR
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Crop	Pest	Insecticide and Formulation	Amount per 1 gallon water	PHI	REI Hours	Application Procedure
English peas	Aphids	Malathion 57% EC	2.0 tsps	3	12	When insects appear.
Irish potatoes	Aphids	Malathion 57% EC	2.0 tsps	3	12	When insects appear.
	Leafhoppers	**Carbaryl 80% S	2.0 TBS	0	12	
	Beetles	Malathion 57% EC or Thiodan 50 WP	2.0 tsps 3.0 TBS	3 0	12 24	
Lettuce	Aphids	Malathion 57% EC + M-PEDE or Address 75S, 95S	2.0 tsps 3.0 TBS	14 0	12	When insects appear.
	Caterpillars	B.t.*				
Mustard	Aphids	Malathion 57% EC or Dimethoate 267 (Cygon)	2.0 tsps 2.0 TBS	7 14	12 48	When insects appear.
	Vegetable weevils	Malathion 57% EC	2.0 tsps	3	12	
	Caterpillars	Malathion 57% EC or Carbaryl 5% D	2.0 tsps 0.75 lb/100 sq ft	7 12	12	
Okra	Aphids	Malathion 57% EC	2.0 tsps	1	12	When insects appear.
	Stinkbugs					
	Earworms	**Carbaryl 80% S	2.0 TBS	0	12	
Onions Shallots	Thrips	Malathion 57% EC M-PEDE	2.0 tsps 3.0 TBS	3 0	12	When insects appear.
Parsley	Aphids	Malathion 57% EC	2.0 tsps	21	12	When insects appear.
	Beetles	**Carbaryl 80% S	2.0 TBS	14	12	
	Caterpillars	*B.t.				
Peppers	Aphids	Malathion 57% EC	2.0 tsps	3	12	When insects appear.
		Dimethoate 267 (Cygon) or Thiodan EMS (Phaser) 50% WP + M-PEDE	1.0-2.0 TBS 1.5 TBS 3.0 TBS	0 1 0	48 24	
	Pepper weevils	**Carbaryl 80% S	2.0 TBS	1	12	
	Vegetable weevils	Malathion 57% EC	2.0 tsps	3	12	
	Beetles, Caterpillars	**Carbaryl 80%S	2.0 TBS	1	12	
Pumpkins	Aphids	Malathion 57% EC	2.0 tsps	3	12	When insects appear.
	Squashbugs	**Carbaryl 80% S	2.0 TBS	0	12	
	Beetles	Methoxychlor 50% WP	1.75 TBS	1	12	
	Vine borers	25% EC	7.0 tsps			
Southern peas	Aphids	Malathion 57% EC	2.0 tsps	7	12	When insects appear.
	Curculio	**Carbaryl 80% S +	2.0 TBS	0	12	
	Stinkbugs	M-PEDE	3.0 TBS	0		
	Earworms	Dimethoate 267 (Cygon)	2.0 TBS	14	48	

**CONTROL RECOMMENDATIONS FOR
INSECTS OF HOME VEGETABLE GARDENS (cont'd)**

Crop	Pest	Insecticide and Formulation	Amount per 1 gallon water	PHI	REI Hours	Application Procedure	
Spinach	Aphids Caterpillars	Malathion 57% EC	2.0 tsps	7	12	When insects appear.	
		B.t.* + M-PEDE	3.0 TBS	0			
Squash	Aphids	Malathion 57% EC + M-PEDE	2.0 tsps 3.0 TBS	1 0	12	Weekly-when beetles, pickleworms, or vine borers are present.	
	Pickleworms	**Carbaryl 80% S	2.0 TBS	0	12		
	Beetles	Methoxychlor 50% WP	1.75 TBS	1	12		
	Vine borers	25% EC	7.0 tsps	1			
Sweet corn	Earworm Fall armyworm	**Carbaryl 80% S	2.0 TBS	0	12	Treat silks every other day for earworm.	
Tomatoes	Aphids	Malathion 57% EC	2.0 tsps	1	12	When insects appear.	
		Dimethoate 267 (Cygon)	1.0 TBS	14	48		
	Fruitworm	**Carbaryl 80% S	2.0 TBS	0	12	Weekly-from bloom through harvest.	
	Hornworm	**Carbaryl 80% S	2.0 TBS	0	12		
	Mites	Kelthane Ultra Fine Sunspray Oil					
	Stinkbugs	**Carbaryl 80% S	2.0 TBS	0	12		
Whiteflies	Thiodan EMS/Phaser	2.0 TBS	1	24			
	50% WP/Phaser	2.0 TBS	1	24			
Turnips	Aphids	Malathion 57% EC	2.0 tsps	7	12	When insects appear. Wait 7 days when tops are used as food. Do not use Carbaryl for aphids.	
		Dimethoate 267 (Cygon)	2.0 TBS	14	48		
	Beetles Worms	**Carbaryl 80% S	2.0 TBS	3 for roots 14 for tops	12		
Watermelon	Aphids Beetles	Malathion 57% EC or Methoxychlor 50% WP	2.0 tsps 1.75 TBS	1 1	12	When insects appear.	
		25% EC or Thiodan	7.0 tsps 3.0 TBS	1 1	24		
		**Carbaryl 80% S	2.0 TBS	0	12		Do not use Carbaryl for aphids.
		Dimethoate 267 (Cygon)	1.0 TBS	14	48		

GENERAL PESTS

Crop	Pest	Insecticide and Formulation	Amount per 1 gallon water	PHI	REI Hours	Application Procedure
Beans Peppers Cantaloupe Watermelon Mustard Tomatoes	Leafminers	Dimethoate 267 (Cygon)	1.5 tsps/gal water	0	48	See label for waiting period between application and harvest.
Beans (dry, green, lima and snap)	Mites	Dimethoate 267 (Cygon)	1.5 tsps	0	48	
		Kelthane 35W	1.5 tsps	7	12	
		Kelthane 18.5 EC	1.0-1.5 tsps	7	12	
Cucumbers		Kelthane 35W	1.5 tsps	2	12	
Cantaloupes		Kelthane 18.5 EC	0.75-1.0 tsp	2	12	
Melons Squash Pumpkin				2		
Tomatoes		Kelthane 35WP	1.5 tsps	2	12	
Peppers		Kelthane 18.5 EC	0.75-1.0 tsp	2	12	

* Follow label instructions; product sold as Dipel, Biobit, Thuricide, Bactospeine, Javelin, and Ketch™ DF.

** Carbaryl can be purchased as a 5% or 10% dust, flowable, wettable, or liquid.

PHI: Preharvest interval

REI: Re-entry interval

Common Chemical Name	Trade Name(s)	Manufacturer/brand
Bacillus thuringiensis (B.t.)	Dipel dust	Fertilome
	Dipel dust	Hi-Yield
	BT Worm Killer	Greenlight
	Thuricide	Bonide
	Thuricider HPC	Southern Ag
Bifenthrin	Ortho Bug-B-Gone Max Lawn & Garden Insect Killer	Ortho
Carbaryl	Bayer Complete Insect Killer for Gardens	Bayer Advanced
	Sevin	Spectrcide
	Bug B Gone	Ortho
	Sevin	Garden Tech
	Sevin-10	Garden Tech
	Liquid Carbaryl Garden Spray	Ferti-Lome
	5% Carbaryl Garden & Pet Dust	Hi-Yield
Cyfluthrin	Bayer Advanced Garden PowerForce Multi-Insect Killer, Concentrate	Bayer
	Bayer Advanced Lawn and Garden Multi Insect Killer	Bayer
Dimethoate	Cygon	Bonide
	Cygon 2E	Hi-Yield
Dicofol	Kelthane	Hi- Yield
Endosulfan	Thiodan Hi-Yield Insect Spray	Hi-Yield
	Thionex 50W	MANA
	Thionex 3EC	MANA

Malathion	50% Malathion	Greenlight
	Malathion Plus Insect spray Concentrate	Ortho
	Malathion	Ace
	50% Malathion	Martin's
	Malathion Insect spray	Hi-Yield
	Malathion 50%E.C.	Southern Ag
Oil	Sun-spray Ultra Fine Oil	Security Products
	Parafine Horticultural Oil	Southern Ag
Permethrin	Bayer Complete Insect Dust for Gardens	Bayer Advanced
	Permethrin Insect Control	Spectracide
	Bug-B-Gone	Ortho
	Permethrin 10%	Martin's
	Indoor/Outdoor MultiPurpose Insect Spray	Ferti-Lome
	Vegetable Fruit and Flower Spray	Bonide
	Multi Purpose Garden Insect Killer	KGRO
	Vegetable Plus	Martins
Pyrethrin	Tomato and Vegetable	Safer
	Tomato Vegetable Insect Spray	Spectracide
Spinosad	Lawn and Garden Spray with Spinosad	Greenlight
Neem	Greenlight Neem Concentrate	Greenlight
	Triple Action Neem Oil	Southern Ag
Insecticidal Soaps	M-Pede	Dow Agro Sciences
	Insecticidal Soap	Safer
	Insecticidal Soap	Garden Safe
	Tomato Vegetable Insect Killer	Safer

Disclaimer Statement: The pesticides recommended in this publication were registered for the prescribed uses at time of publication. Pesticide registrations are continuously being reviewed. Should registration of a recommended pesticide be canceled, it would no longer be recommended by the LSU AgCenter.

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