

Vegetables – Home Gardens

BEANS

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin 0.3%	1.5 fluid ounces	3		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Malathion	2.0 teaspoons	1		Wait at least 7 days between applications.
Beetles	Carbaryl	1.5-3.0 tablespoons	3		Repeat as needed up to 4 times; 7 days between applications.
	Bifenthrin 0.3%	1.5 fluid ounces	3		Wait at least 7 days between applications.
Leafhoppers	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	M-PEDE	3.0 tablespoons	0		
Whiteflies	Bifenthrin 0.3%	1.5 fluid ounces	3		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year.

BEEET

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Webworms, flea beetles	Malathion 57% Carbaryl	2.0 teaspoons 1.5-3.0 tablespoons	7,3	12	Repeat up to 6 times but no more than once every 7 days.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.

BROCCOLI

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Malathion 50%	2.0 teaspoons	3		
	Bifenthrin 0.3%	1.5 fluid ounces	7		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
Caterpillars	Bt (Dipel, Thuricide)	As recommended on label	0		Use weekly, add wetting agent in sprays.
	Permethrin	2.0 tablespoons	1		Follow label.
	Spinosad	4.0 tablespoons	1		Maximum of 6 applications per season; wait 4 days between applications.
Stink bugs	Carbaryl	3.0-6.0 tablespoons	3		Wait 7 days between applications.
	Bifenthrin	1.5 fluid ounces	7		Wait at least 7 days between applications.
Whiteflies	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.

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CABBAGE

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin	1.5 fluid ounces	7		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Malathion 57% EC	2.0 teaspoons	7	12	Wait at least 7 days between applications.
Caterpillars	Bifenthrin	1.5 fluid ounces	7		Wait at least 7 days between applications.
	Bt (Dipel, Thuricide)	As recommended on label	0		Use weekly until harvest, add wetting agent in sprays.
	Permethrin	2 tablespoons	1		Follow label.
	Spinosad	4 tablespoons	1		Maximum of 6 applications per season; wait 4 days between applications.
Flea beetles	Carbaryl	1.5-3 tablespoons	3		On foliage, repeat as needed up to 4 times, but no more than once every 7 days.

COLLARDS

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Malathion 50%	2 teaspoons	7		Apply as necessary; wait 7 days between applications.
Flea beetles	Carbaryl	1.5- 3 tablespoons	14		On foliage as needed; Repeat as necessary up to 4 times, but no more than once every 7 days.

CANTALOUPE

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin 0.3%	1.5 fluid ounces	7		Wait at least seven days between applications.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Malathion 57% EC	2.0 teaspoons	3	12	
Beetles	Carbaryl	3.0 tablespoons			
	Bifenthrin 0.3%	1.5 fluid ounces	3		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year.
	Permethrin	Follow label	0		Follow label.
Caterpillars	Carbaryl	1.5-3.0 tablespoons	3		Do not use Carbaryl for aphid control.
	Bifenthrin 0.3%	1.5 fluid ounces	3		Wait at least 7 days between applications.
	Permethrins	As recommended on label	0		Follow label.
	Spinosad	4 tablespoons	3		Maximum of 6 applications per season; wait 5 days before reapplying.
Caterpillars	Spinosad	4.0 tablespoons	3		Maximum of 6 applications per season; wait 5 days between applications.

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CARROT

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids, leafhoppers, vegetable weevils	Malathion 57% EC	2.0 teaspoons	7	12	When insects appear.

CUCUMBER

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin	1.5 fluid ounces	3		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 sq. ft. (1-ft. x 10 ft.) of vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Safer Insecticidal Soap	5.0 tablespoons	0		For suppression, repeat applications may be needed. Repeat at weekly intervals up to 3 times. Do not make more than 3 sequential applications over a 2-week period. Do not apply when temps exceed 90 F.
Cucumber beetles, squash bugs	Bifenthrin	1.5 fluid ounces	3		Wait at least 7 days between applications.
	Carbaryl	3.0 tablespoons	3		Apply late in day to minimize killing pollinating insects.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Malathion 50%	4.0 teaspoons	1		Apply when needed. Wait at least 7 days between applications.
	Permethrin	As recommended on label	0		Follow label.

EGGPLANT

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin	1.5 fluid ounces	7		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year.
	Malathion 50% EC	2.0 teaspoons	3		Apply when aphids present and repeat when needed; wait 7 days between applications.
Caterpillars	Bt (Dipel, Thuricide)	As recommended on label	0		Use weekly, add wetting agent in sprays.
	Carbaryl 80% S	2.0 tablespoons	12		
	Spinosad	See label	1		
Flea beetles	Bifenthrin	1.5 fluid ounces	3		Wait at least 7 days between applications.
	Carbaryl	1.5-3.0 tablespoons	3		On foliage as needed; no more than once every 7 days.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year.
	Malathion 50%	1.0 tablespoon	3		Wait at least 7 days between applications.
Spider mites	Malathion	1.0 tablespoon	3		Repeat treatments often as necessary.

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Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
	Ultrafine oil	Follow label			
Whiteflies	Bifenthrin	1.5 fluid ounces	7		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.

ENGLISH PEA

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids, leafhoppers	Imidacloprid	0.5 ounce per quart per 10 square feet vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Malathion 57% EC	2.0 teaspoons	3	12	When insects appear.

IRISH POTATO

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Malathion 57% EC	2.0 teaspoons	3	12	When insects appear.
	Imidacloprid	See label	3		Apply to soil immediately at planting for long-term control.
Colorado potato beetles	Permethrin 2.5L	3.0 tablespoons	7		Follow label.
	Spinosad	4.0 tablespoons	7		Maximum of 6 applications per season; wait 7 days before reapplying.
Flea beetles, leafhopper	Carbaryl 80% S	2.0 tablespoons	0	12	
	Malathion 57% EC	2.0 teaspoons	3	12	

LETTUCE

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin 0.3%	1.5 fluid ounces	7		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
	Malathion 50% EC	1.0 tablespoons	14-leaf 7-head	12	When insects appear. Wait at least 7 days between applications.
Caterpillars	Bifenthrin 0.3%	1.5 fluid ounces	7-head		Wait 7 days between applications.
	Bt (Dipel, Thuricide)	As recommended on label	0		Repeat weekly until harvest, add wetting agent to spray.
	Permethrin 2.5%	4.0 tablespoons follow label	1		Apply every 5 to 10 days as needed but no more than 10 times (liquid form) per season.
	Spinosad 0.5%	4.0 tablespoons	1		Apply no more than 6 applications per season; wait 4 days between applications.

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MUSTARD

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Malathion 57% EC	2.0 teaspoons	7	12	
Caterpillars	Bt (Dipel, Thuricide)	Follow label	0		Apply as soon as damage is found; repeat weekly, add wetting agent to spray.
	Carbaryl 5% D	0.75 pound/100 square feet	12		
	Malathion 57% EC	2.0 teaspoons	7	12	When insects appear.
	Spinosad 0.5%	4.0 tablespoons	1		Maximum 6 applications per season; wait 4 days between applications.
Flea beetles	Carbaryl	1.5-3.0 tablespoons	14		Repeat up to 4 times; no more than once every 7 days.
Vegetable weevils	Malathion 57% EC	2.0 teaspoons	3	12	

OKRA

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Malathion 50%	2.0 teaspoons	1	12	When insects appear; wait 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.
Earworms	Permethrin 2.5% liquid	Follow label	1		Every 5 to 7 days as needed; no more than 10 times per season.
	Carbaryl 80% S	2.0 tablespoons	0	12	
Stinkbugs	Carbaryl 80% S	2.0 tablespoons	0	12	

ONION, SHALLOT

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Thrips	Malathion 50%	1.0 teaspoons	3	12	When insects appear.

PARSLEY

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Malathion 57% EC	2.0 teaspoons	21	12	When insects appear.
Beetles	Carbaryl 80% S	2.0 tablespoons	14	12	
Caterpillars	Bt (Dipel, Thuricide)	Follow label	0		Repeat applications weekly

PEPPERS

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Malathion 50%	2.0 teaspoons	3	12	When insects appear.
	Bifenthrin	1.5 fluid ounces	7		Wait 7 days between applications
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge for season-long control.

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Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Caterpillars, armyworms, loopers, leafminers	Cyfluthrin .03%	Ready to use formula	7		Do not apply more than 6 times during season.
	Cyfluthrin 0.75%	1.0 tablespoons	7		Do not apply more than 6 times during season.
	Permethrin	Follow label	3		No more than 8 applications per season.
	Safer Insecticidal Soap	5.0 tablespoons	0		For suppression; repeat applications may be needed (no more than 3 over a 2-week period).
	Spinosad 0.5%	4.0 tablespoons	1		Maximum of 6 applications per season; wait 4 days between applications.
Pepper weevils, vegetable weevils	Carbaryl 80% S	2.0 tablespoons	1	12	
	Malathion	2.0 teaspoons	3	12	
Whiteflies, thrips	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil immediately after transplants are set for long-term control.
Flea beetles	Carbaryl liquid	1.5-3.0 tablespoons	3		

SQUASH, PUMPKIN

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Malathion 50% EC	2.0 teaspoons	3- pumpkin 1-squash	12	When insects appear; wait 7 days between applications; apply when leaves are dry.
	Bifenthrin .3%	1.5 fluid ounces	3		Wait 7 days between applications.
	Safer Insecticidal Soap	5.0 tablespoons	0		For summer squash; for suppression.
Cucumber beetles, flea beetles	Bifenthrin	1.5 fluid ounces	3		Wait 7 days between applications.
	Carbaryl liquid	3.0 tablespoons	3		Repeat applications up to 6 times, but not more often than once every 7 days.
	Permethrin 2.5%	4.0 tablespoons	3		Do not apply liquid more than 8 times per season.
Leafminer	Spinosad 0.5%	4.0 tablespoons	3		Maximum 6 applications season.
Pickleworms, vine borers,	Bifenthrin	1.5 fluid ounces	3		Wait 7 days between applications.
	Carbaryl 22.5% liquid	1.5-3 tablespoons	3		Repeat as necessary up to 6 times, but no more than once every 7 days.
	Permethrin	Follow label	0		No more than 8 times per season.
Squash bugs	Bifenthrin	1.5 fluid ounces	3		Wait 7 days between each application.
	Carbaryl 80% S	2.0 tablespoons	0	12	
	Permethrin	Follow label	0		No more than 8 applications per season.
Whiteflies	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year.

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SOUTHERN PEA

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year.
	Malathion 50% EC	1.0 tablespoons	3	12	When insects appear.
Earworms, curculio	Carbaryl 80% S	2.0 tablespoons	0	12	
European corn borers	Carbaryl liquid 22.5%	3.0-4.5 tablespoons	3- fresh 21-dried		
	Cyfluthrin 0.75%	1.0 tablespoons	7		Do not apply more than 6 applications per season.
	Spinosad	4.0 tablespoons	3		Maximum 6 applications per season; wait 5 days between applications.

SPINACH

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year.
	Malathion 57% EC	2.0 teaspoons	7		When insects appear.
Caterpillars	Bt (Dipel, Thuricide)	3.0 tablespoons	0		Use weekly, add wetting agent in sprays.
	Bifenthrin	See label.	7		
	Cyfluthrin	See label.	0		

SWEET CORN

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Corn earworms, fall armyworms, European corn borers	Bifenthrin 0.3%	1.5 fluid ounces	1		Wait 7 days between applications.
	Carbaryl 80% S	2.0 tablespoons	0	12	Treat silks every other day for earworm.
	Cyfluthrin 0.75%	1.0 tablespoons	0		Do not apply more than 5 times per season.
	Permethrin 2.5% liquid	3.0 tablespoons	1		Apply as needed every 5 days, but no more than 6 times per season.
	Spinosad 0.5%	4.0 tablespoons	1		Maximum of 6 applications per season; wait 3 days between applications.

TOMATO

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin	1.5 fluid ounces	1		Wait at least 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil shortly after seedlings emerge or transplants for season-long control.
	Malathion 50% EC	2.0 teaspoons	1	12	When insects appear.
	Safer Insecticidal Soap	5.0 tablespoons	0		For suppression, repeat applications may be required.
Beetles	Bifenthrin 0.3%	1.5 fluid ounces	1		Wait 7 days between applications.

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Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
	Carbaryl liquid 22.5%	1.5-3.0 tablespoons	3		Repeat applications up to 7 times, but no more than once every 7 days.
	Permethrin	Follow label	0		No more than 6 times per year.
Cutworms	Carbaryl 22.5% liquid	6.0 tablespoons	3		Mix in enough water to get sufficient coverage of plants and soil around plants. Repeat weekly no more than 5 times per season.
	Cyfluthrin 0.75%	1.0 tablespoons	3		Do not apply more than 5 times per season.
	Permethrin 2.5%	3.0 tablespoons	0		Do not apply more than eight times per season.
Fruitworms, hornworms	Bifenthrin	1.5 fluid ounces	1		Wait 7 days between applications.
	Bt (Dipel, Thuricide)	Follow label	0		Repeat weekly when insects are present.
	Carbaryl 80% S	2.0 tablespoons	0	12	Weekly—from bloom through harvest.
	Cyfluthrin 0.75 %	1.0 tablespoons	0		Do not apply more than 5 times per season.
	Permethrin 2.5% liquid	3.0 tablespoons	0		No more than 8 times per season.
	Spinosad 0.5%	4.0 tablespoons	1		No more than 6 applications per season; wait 4 days between applications.
Leaf-footed bugs, stink bugs	Bifenthrin	1.5 fluid ounces	1		Wait 7 days between applications.
	Carbaryl 80% S	2.0 tablespoons	0	12	
	Cyfluthrin 0.75%	1.0 tablespoons	0		Do not apply more than 5 times per season.
	Permethrin 0.25%	Follow label	0		Maximum 6 applications/season.
Leafminer	Spinosad 0.5%	4.0 tablespoons	1		No more than 6 applications per season; wait 4 days between applications.
Spider mites	Bifenthrin 0.3%	1.5 fluid ounces	1		Wait 7 days between applications.
Tomato pinworms	Bifenthrin 0.3%	1.5 fluid ounces	1		Wait 7 days between applications.
	Spinosad 0.5%	4.0 tablespoons	1		Maximum 6 applications per season; wait 4 days between applications.
Whiteflies	Bifenthrin 0.3%	1.5 fluid ounces	1		Wait 7 days between applications.
	Safer Insecticidal Soap	5.0 tablespoons	0		No more than 3 applications in 2 weeks. Do not apply when temperature exceeds 90 F.
	Pyrethrin	Follow label	0		Spray underside of leaves; repeated weekly applications needed for control.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil for season-long control.

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TURNIP

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil when seedlings emerge or immediately after transplants are set for season-long control.
	Malathion 50% EC	2.0 teaspoons	7	12	When insects appear.
Caterpillars	Bt (Dipel, Thuricide)	Follow label		0	Repeat weekly when insects present.
Flea beetles, worms	Carbaryl 80% S	2.0 tablespoons	3 for roots 14 for tops	2	
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year.

WATERMELON

Pest	Insecticide and Formulation	Amount per 1 Gallon Water	PHI	REI Hours	Application Procedure
Aphids	Bifenthrin 0.3%	1.5 fluid ounces	3		Wait 7 days between applications.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row			No more than 1 application per year. Apply to soil when seedling emerge or immediately after transplants are set for season-long control.
	Malathion 57% EC	2.0 teaspoons	1	12	When insects appear.
Beetles	Carbaryl 80% S	2.0 tablespoons	0	12	Don't use Carbaryl for aphids.
	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year. Apply to soil when seedlings emerge immediately after transplants are set for season-long control.
	Permethrin liquid 2.5%	Follow label	0		Do not apply more than 8 times per year.
Thrips	Imidacloprid	0.5 ounce per quart per 10 square feet per vegetable row	21		No more than 1 application per year.
	Spinosad 0.5%	4.0 tablespoons	3		No more than 6 applications per year; wait 5 days between applications.

Vegetables – Home Gardens

Homeowner Insecticide Products (not a complete list)

Common Chemical Name	Trade Name(s) (Examples)	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 and Garden Insect Killer	Ortho
Carbaryl	Bayer Complete Insect Killer for Gardens	Bayer Advanced
	Sevin	Spectracide
	Bug B Gone	Ortho
	Sevin	Garden Tech
	Sevin-10	Garden Tech
	Liquid Carbaryl Garden Spray	Ferti-Lome
	5% Carbaryl Garden and Pet Dust	Hi-Yield
Cyfluthrin	Bayer Advanced Garden	Bayer
	PowerForce Multi-Insect	
	Killer, Concentrate	
	Bayer Advanced Lawn and	Bayer
	Garden Multi Insect Killer	
Dimethoate	Cygon	Bonide
	Cygon 2E	Hi-Yield
Imidacloprid	Bayer Advanced	Bayer
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
	Parafin 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
	Multipurpose 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
	Borer Bagworm, Tent caterpillar & Leafminer Spray	Fertilome
	Monterey Garden Insect Spray	Monterey

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Common Chemical Name	Trade Name(s) (Examples)	Manufacturer/Brand
	Spinosad Landscape and Garden Insecticide	Natural Guard
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 the time of publication. Pesticide registrations are reviewed continuously. Should registration of a recommended pesticide be canceled, it would no longer be recommended by the LSU AgCenter.

Uses of brand or trade names in this publication are for clarity and information. Such use does not imply approval of the product to the exclusion of others that may be of similar, suitable composition, and it does not guarantee or warrant the standard of any given product. The above list is not a complete list of all products that may be available.