

COMMON GARDEN AND LANDSCAPE PESTICIDE PRODUCTS AVAILABLE TO HOMEOWNERS

compiled by Walter Reeves

CONTACT INSECTICIDES

<u>Product Name</u>	<u>Chemical</u>
Bayer Advanced Rose & Flower Insect Killer	imidacloprid + cyfluthrin
Bayer Advanced Lawn & Garden Multi-Insect Killer	cyfluthrin
Bayer Advanced Home Pest Control	cyfluthrin
Bayer Advanced Grub Control	imidacloprid
Bayer Advanced 24 Hour Grub Control	Dylox (trichlorfon)
Bayer Advanced Grub Control with fertilizer	imidacloprid + 12-18-6
Bayer Advanced Rose and Flower Care	disulfoton + 12-18-6
Bayer Advanced Tree & Shrub Insect Control	imidacloprid
Bayer Advanced Fire Ant Killer	cyfluthrin
Bayer Advanced Azalea, Camellia, Rhododendron Care	disulfoton + 16-8-8
Bonide Systemic Rose and Flower Care	disulfoton (Disyston)
Bonide Eight	permethrin
Bonide Eight Vegetable, Fruit & Flower	permethrin
Bonide Sevin	carbaryl
Bonide Cygon	dimethoate
Bonide Lindane	lindane
Bonide Borer-Miner Killer	permethrin
Dexol Cygon	dimethoate
Ferti-Lome Systemic Rose Food	disulfoton
Gardens Alive Bulls-Eye	spinosad
Garden Tech Over 'n Out	fipronil
Green Light Conquest	permethrin
Green Light Roach, Ant & Spider Control	deltamethrin
Green Light Fire Ant Dust	deltamethrin
Green Light Borer Killer	permethrin
Green Light Insect Killer	spinosad
Monterey Pointer	imidacloprid
Monterey Garden Insect Spray	spinosad
Monterey Fire Ant's Nightmare	spinosad
Ortho Home Defense	bifenthrin
Ortho Bug-B-Gon Insect Killer	esfenvalerate
Ortho Bug-B-Gon Multi-purpose Garden Dust	permethrin
Ortho Bug-B-Gon Ready Spray	diazinon
Ortho Houseplant and Garden	bifenthrin
Ortho Isotox Insect Killer Formula IV	acephate + fenbutatin-oxide (hexakis)
Ortho-Klor	chlorpyrifos
Ortho-Klor Termite and Carpenter Ant Killer	bifenthrin

Ortho Volck oil	horticultural oil
Ortho Ant B Gon	permethrin
Ortho Bug B Gon Garden Dust	permethrin
Ortho Rose and Flower Insect Control	bifenthrin
Schultz Houseplant and Garden	pyrethrin
Schultz Insect Killer	Permethrin and ?
Schultz Insect Killer	cyfluthrin
Schultz Rose & Flower	pyrethrin & piperonyl butoxide
Spectracide Bug Stop	permethrin
Spectracide Triazicide	lambda-cyhalothrin
SunSpray Ultra-Fine Horticultural Oil	refined horticultural oil
Ortho Orthene	acephate
Diazinon	diazinon
Dursban	chlorpyrifos
Malathion	malathion
Sevin	carbaryl
Ze Lin Chen Chinese Chalk	trihalomethrin

SYSTEMIC INSECTICIDES

Bayer Advanced Rose & Flower Insect Killer	imidacloprid + cyfluthrin
Bayer Advanced Tree and Shrub Insect Control	imidacloprid
Bonide Systemic Rose and Flower Care	disulfoton (Disyston)
Bonide Systemic Granules	disulfoton
Ferti-Lome Systemic Rose Food	disulfoton
Ortho Isotox Insect Killer Formula IV	acephate + fenbutatin-oxide (hexakis)
Ortho Orthene	acephate

COMBINATION INSECTICIDE AND FUNGICIDE PRODUCTS

<u>Product Name</u>	<u>Chemical</u>
Bayer Advanced Garden All-In-One Rose & Flower Care Concentrate	tebuconazole + imidacloprid
Bonide Insecticide, Miticide, Fungicide	captan + malathion + methoxychlor+carbaryl
Bonide Bulb Dust	methoxychlor + thiram
Bonide Fruit Tree Spray	captan+malathion+carbaryl
Ortho Home Orchard Spray	captan + malathion + methoxychlor
Ortho Rose Pride Orthenex Insect & Disease Control	acephate + triforine + resmethrin
Ortho Orthenex	Acephate, Triforine, Fenbutaine-oxide
Schultz Fungicide Plus	Myclobutanil + permethrin
Spectracide Immunox Plus	permethrin + myclobutanil
Green Light Rose Defense II	neem + pyrethrin

CONTACT MITICIDES

Bonide Kelthane	dicofol
Green Light Red Spider Spray (discontinued)	dicofol (Kelthane)
Ortho Isotox Insect Killer Formula IV	acephate + fenbutatin-oxide (hexakis)
Ortho® Systemic Insect Killer (previously Isotox)	acephate + fenbutatin-oxide (hexakis)
Vendex	hexakis
SunSpray Ultra-Fine Horticultural Oil	refined horticultural oil, usually safe to use in summer
Safer Insecticidal soap	potassium salts of fatty acids (insecticidal soap)
Bonide Mite-X	cinnamaldehyde
Avid	Avermectin

BAIT INSECTICIDES

Logic	fenoxycarb
Amdro Fire Ant Bait	hydramethylnone
Spectracide Fire Ant Bait	pyriproxyfen
Spectracide Once & Done!™ Fire Ant Killer	indoxacarb
Pennington Fire Ant Killer Bait	spinosad
Maxforce	hydramethylnone
hydramethylnone	5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((trifluoromethyl)sulfinyl)-1H-pyr azole-3-carbonitrile

FUNGICIDES

Banner Maxx	propiconazole
Bayer Advanced Fungus Control for Lawns	triadimefon (Bayleton)
Bayer Advanced Garden Disease Control for Roses, Flowers & Shrubs Concentrate	tebuconazole (Elite, Folicur)
Bayer Armada	trifloxystrobin (Compass) and triadimefon (Bayleton)
Bonide Captan	captan
Bonide Fung-onil Concentrate	chlorothalonil
Bonide Fung-onil	Bayleton (2001 label)
Bonide Fung-onil Multi-Purpose Fungicide	chlorothalonil (2002 label)
Bonide Fung-onil Lawn Disease Control	Bayleton (2002 label)
Bonide Micronized Sulfur	sulfur
Compass	trifloxystrobin
Fertilome Halt Systemic Fungicide	thiophanate-methyl
Garden space Fungicide Concentrate	neem oil
Green Light Mancozeb	mancozeb
Green Light Powdery Mildew Killer	neem oil
Green Light Fung-Away Fungicide	Bayleton (not labeled for lawns)
Green Light Fung-Away Systemic Spray	Bayleton (labeled for lawns)
Green Light Fung-Away II Systemic Lawn Fungicide (2 oz jar)	thiophanate-methyl (Cleary's 3336, Topsin-M)
Green Light Fung-Away Systemic Granules	myclobutanil
Heritage	asoxystrobin
Hi-Yield Copper Fungicide	copper hydroxide
Monterey E-rase	jojoba seed oil
Monterey Aliette	aluminum tris (O-ethyl phosphonate)
Monterey Agri-Fos	Mono- and di-potassium salts of phosphorous acid
Ortho Funginex	triforine
Ortho Garden Disease Control	chlorthalonil
Ortho Rose Pride Rose & Shrub Disease Control	triforine
ProStar	flutolanil
Safer Garden Fungicide	sulfur
Scott's Lawn Fungus Control	thiophanate-methyl
Spectracide Immunox (liquid)	myclobutanil
Spectracide Immunox (granular)	myclobutanil
SyStar	thiophanate-methyl
Daconil	chlorothalonil
Captan	captan
Armicarb 100®	potassium bicarbonate
Kaligreen®	potassium bicarbonate
FirstStep®	potassium bicarbonate
Remedy®	potassium bicarbonate
Bayleton	1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4- triazol-1-yl)-2-butanone

BACTERICIDES

Product Name

Chemical

Bonide Fire Blight Spray

streptomycin sulfate

Bonide Mancozeb

mancozeb

Cooke Kop-R-Spray

Copper ammonium carbonate

Lime-sulfur

lime-sulfur

Agri-mycin

streptomycin sulfate

MOLLUSCICIDES (kill slugs and snails)

Bonide Slug, Snail & Sowbug Bait

carbaryl + metaldehyde

Green Light Bug + Snail Bait

carbaryl + metaldehyde

Deadline

metaldehyde

Ortho Bug-Getta Snail & Slug Killer

metaldehyde

Sluggo

iron phosphate

BLOSSOM END ROT SPRAY

Security Stop-Rot

calcium chloride

Blossom End Rot spray

calcium chloride

Bonide Rot-Stop

calcium chloride

GROWTH REGULATORS

Monterey Florel (prevents fruit, seed formation
on trees)

ethepon

Bonide Fruit Eliminator

ethepon

Monterey Sucker-Stopper

naphthaleneacetate (NAA)

Bonide Tomato Blossom Set Spray

cytokinin

HERBICIDES

PRE-EMERGENTS

<u>Product Name</u>	<u>Chemical</u>
Bayer Advanced Weed Killer for Lawns	MSMA, Trimec
Green Light Amaze	benefin + oryzalin
Green Light Betasan	betasan
Green Light Portrait	isoxaben
LESCO Pre-M Plus	pendimethalin
Pike Crabgrass Preventer	prodiamine (Barricade)
Security Purge	atrazine
StaGreen CrabEx	dithiopyr
StaGreen Crabgrass Preventer	prodiamine
StaGreen Crabgrass Preventer	dithiopyr
StaGreen Crabgrass Preventer & Fertilizer	benefin + trifluralin
Vigoro Crabgrass Preventer	dithiopyr
Team	benefin + trifluralin
Halts	pendimethalin
Surflan	oryzalin
Betasan	bensulide
Balan	benefin
XL	benefin + oryzalin
Gallery	isoxaben (gives selective broadleaf weed control)
Snapshot	trifluralin + isoxaben
Preen	trifluralin
Preen for Groundcovers	EPTC (Eptam)

SELECTIVE POST-EMERGENTS

Ace Lawn Weed Killer	2,4-D, MCP, dicamba
BASF Vantage	sethoxydim
Bayer Advanced All-in-One Weed Killer	MSMA, 2,4-D, MCP, dicamba
Bayer Advanced Southern Lawn Weed Killer	2,4-D, MCP, dicamba
Bayer Advanced Power Force Brush Killer Plus	Triclopyr
Dexol Grass Out	fluazifop
Enforcer Brush Killer	triclopyr
Enforcer Weed Stop	2,4-D, MCP, dicamba
Green Light Wipe-Out	2,4-D, MCP, dicamba
Green Light Spot Weed Killer	MCPA, MCP, dicamba
Green Light Grass Out RTU	fluazifop
Green Light MSMA Crabgrass Killer	monosodium methanearsonate
Goal	oxyfluorfen

SELECTIVE POST-EMERGENTS (contd)

<u>Product Name</u>	<u>Chemical</u>
Hi-Yield Basagran	bentazon (controls broadleaf weeds in a limited number of ornamentals)
Hi-Yield Post-emergence Weed Killer	sethoxydim
Image for Nutgrass	imazaquin
Image for Crabgrass	MSMA
Monsanto Manage	halosulfuron
Monterey Turflon	triclopyr
Ortho Brush-B-Gon	triclopyr
Ortho Crabgrass Killer Formula II	calcium acid methanearsonate
Ortho Grass-B-Gon	fluazifop
Ortho Grass-B-Gon for Landscapes	fluazifop
Ortho Weed-B-Gon Chickweed, Clover & Oxalis Killer	triclopyr
Ortho Weed-B-Gon Crabgrass Killer	MSMA, CAMA
Ortho Weed-B-Gon Crabgrass Killer (2004)	CAMA
Ortho Weed-B-Gon Lawn Weed Killer	2,4-D, MCP, dicamba
Ortho Weed-B-Gon Spot Weed Killer for St. Augustine Lawns	atrazine (granules)
Ortho Weed-B-Gon Maxx	MCPA, Triclopyr, Dicamba
Revolver	foramsulfuron (sulfonyl urea class)
Safer Weed Away	2,4-D, MCP, dicamba
Security Purge	atrazine
Spectracide Brush Killer	2,4-D, MCP, dicamba
Spectracide Weed Stop	2,4-D, MCP, dicamba
Vigoro Lawn Weed Control	2,4-D, MCP, dicamba

NON-SELECTIVE WEED KILLERS

Ace Grass and Weed Killer	diquat
AgrEvo Finale	glufosinate
Bonide KleenUp	glyphosate + acifluorfen
Enforcer Next Day Fence & Grass Edger	diquat (or cacodylic acid, read label)
Enforcer Next Day Weed & Grass Killer	diquat (or cacodylic acid, read label)
Enforcer Roots & All	pelargonic acid, fluazifop, MCPP and 2,4-D
Garden Place Grass & Weed Killer	diquat + fluazifop
Green Light Grass & Weed Killer	sodium cacodylate, dimethylarsinic acid
Green Light Com-Pleet Systemic Grass and Weed Killer	glyphosate
Hi-Yield Killzall	glyphosate
Monsanto Roundup	glyphosate
Nature's Glory Weed & Grass Killer	acetic acid
Nature's Avenger	citrus extracts
Ortho KlearAway	glyphosate
Ortho Basic Solutions Weed and Grass Killer	glyphosate
Roundup Concentrated Brush Killer	glyphosate & triclopyr
Roundup Plus	glyphosate & diquat
Roundup L&G	glyphosate & diquat
Roundup Extended Control Weed & Grass Killer Plus Weed Preventer	glyphosate, diquat, imazapic (Plateau)
Safer SureFire	glyphosate
Schultz Weed & Grass Killer	glyphosate
Spectracide Grass & Weed Killer	diquat + fluazifop

SOIL STERILANTS

Green Light Com-Pleet	prometon
Spectracide Total Vegetation Killer	prometon
Enforcer Next Day Edger	cacodylic acid
Ortho Triox	glyphosate + imazapyr
Ortho Basic Solutions Total Vegetation Killer	prometon
Ortho GroundClear	glyphosate + imazapyr
Ortho Season Long Grass and Weed Killer	glyphosate + oxyfluorfen
Bonide Kleenup Plus	glyphosate + oxyfluorfen
Bonide Vegetation Killer	prometon
Schultz Total Vegetation Killer	prometon

MOSS AND ALGAE CONTROL

Security Moss and Mildew Killer	elemental zinc + elemental copper
Lilly Miller Moss Out	ferrous sulfate

ORGANIC PESTICIDES

Products containing these chemicals are generally considered to be “Organic” pesticides. For more information, contact Georgia Organics (770-621-GOGA) or www.georgiaorganics.org

ORGANIC INSECTICIDES

<u>Product Name</u>	<u>Chemical</u>
Fertilome ‘Come and Get It’ Fire Ant Killer	spinosad
Fertilome Borer, Bagworm and Leafminer Spray	spinosad
Gardens Alive Bulls-Eye	spinosad
Gardens Alive Surround	kaolin clay
Green Light Rose Defense	neem oil
Green Light Roach Powder	boric acid
Green Light Rotenone	rotenone
Green Light BT Worm Killer	^Bacillus thuringiensis^ which has been micro-encapsulated to make it more long-lasting
Monterey Garden Insect Spray	spinosad
Safer Caterpillar Killer	^Bacillus thuringiensis^ var. kurstaki
Safer Crawling Insect & Ant Killer	diatomaceous earth
Safer Insecticidal soap	potassium salts of fatty acids (insecticidal soap)
Safer Tomato & Vegetable	insecticidal soap + pyrethrin
Security Dipel	^Bacillus thuringiensis^ var. berliner: a naturally occurring soil bacteria which is lethal to caterpillars but harmless to mammals and birds
SunSpray Ultra-Fine Horticultural Oil	a refined petroleum oil which is safe for use on plants
Surround	kaolin
Caterpillar Attack	^Bacillus thuringiensis^ var. kurstaki: a naturally occurring soil bacteria which is lethal to caterpillars but harmless to mammals and birds
Doom, Milky Spore Disease	^Bacillus popilliae^: a naturally occurring soil bacteria which affects Japanese beetle grubs in the soil.
Mosquito Dunks, Mosquito Bits	^Bacillus thuringiensis^ var. israelensis: a naturally occurring soil bacteria which is lethal to mosquito larvae but harmless to mammals and birds
M-One	^Bacillus thuringiensis^ var. san diego: a naturally occurring soil bacteria which is lethal to Colorado potato beetles but harmless to mammals and birds
Pyrethrin products	pyrethrin: a chemical contained in chrysanthemum flowers

ORGANIC INSECTICIDES (contd)

<u>Product Name</u>	<u>Chemical</u>
Rotenone	rotenone: a chemical extracted from the root of the derris plant
Azadirachtin	leaf extracts from the neem tree
Neem	oil extracted from neem tree nuts
Nematodes	Nematodes are microscopic soil worms. Some types feed on plants and are harmful. Some feed on insects and are helpful.
Diatomaceous earth	fossilized bodies of diatoms (primitive ocean creatures). The fine powder cuts and dries the waxy coating on an insect's body.

ORGANIC HERBICIDES

ORGANIC NON-SELECTIVE HERBICIDES

Nature's Glory Weed & Grass Killer	acetic acid
St. Gabriel Laboratories Sharpshooter	citric acid
St. Gabriel Laboratories Burnout	acetic acid

ORGANIC PRE-EMERGENT HERBICIDES

WOW!	corn gluten meal
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ORGANIC FUNGICIDES

Dexol Bordeaux mixture	copper sulfate/hydrated lime mixture (quite poisonous)
Gardens Alive Serenade	Bacillus subtilis
Safer Powdery Mildew Killer	neem oil
Concern Copper Soap Fungicide	copper octanoate
Garden sulfur	sulfur
Lime-sulfur	calcium polysulfide
Copper	copper salts

ORGANIC MOLLUSCICIDES

Slug-Out	fatty acids of potassium salts (insecticidal soap)
Monterey Sluggo	Iron phosphate

GOOSE CONTROL

Rejex-It
Goose Chase
Flight Control

Methyl anthranilate
Methyl anthranilate
9, 10 anthraquinone

OTHER GARDENING PRODUCTS

PermaTill (expanded shale)

Carolina Stalite, Salisbury, NC
(877)-PERMATILL

Concentrated Landscaper Mix (CLM)

ItSaulNatural Garden Products, Atlanta, GA
(770) 535-1511

ErthFood

Wayne King, "Compost King"
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