

## Georgia Apple Insecticide/Miticide Labels & Use Restrictions

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<http://www.ent.uga.edu/fruit.htm>

Based on labels as seen on CDMS (<http://www.cdms.net/LabelsMsds/LMDefault.aspx?t=>) and Greenbook (<http://www.greenbook.net/>) websites (last referenced 4/13/2011). UGA provides this compilation to minimize the risk of off-label pesticide use. Always refer to the actual product label, which is the definitive guide for safe, legal pesticide use.

Active ingredient	IRAC group #	Trade name	Manufacturer	Re-Entry Interval (REI)/ Pre-Harvest Interval (PHI)
abamectin	6	Abacus	Rotam	12 hrs/28 days
		Abamectin E AG 0.15 EC	Etigra	
		Abba 0.15 EC	MANA	
		Agri-Mek 0.15EC	Syngenta	
		Epi-mek 0.15EC	Syngenta	
		Temprano	Chemtura	
		Timectin 0.15EC Ag	Tide Intl	
		Zoro Miticide/Insecticide	Cheminova	
acequinocyl	20B	Kanemite 15SC	Arysta LifeScience	12hrs/14 days
acetamiprid	4A	Assail 30SG	UPI	12 hrs/7 days
		Assail 70WP	UPI	
azadirachtin	UN	Aza-Direct <b>Organic</b>	Gowan	4 hrs/day of harvest
		Azatin XL	OHP	
		Neemazad 1% EC <b>Organic</b>	Certis USA	
		Neemix 4.5 <b>Organic</b>	Certis USA	
azinphos methyl	1B	Guthion Solupak 50%	MANA	14 days/14 to 21 days
<i>Bacillus thuringiensis</i> subsp. <i>aizawai</i>	11	Agree WG <b>Organic</b>	Certis USA	4 hrs/day of harvest
		Jackpot WP	Certis USA	
		XenTari <b>Organic</b>	Valent	
<i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i>	11	Biobit HP <b>Organic</b>	Valent	4 hrs/day of harvest
		Crymax	Certis USA	
		Deliver <b>Organic</b>	Certis USA	
		DiPel DF <b>Organic</b>	Valent	
		Dipel ES	Valent	
		Javelin WG <b>Organic</b>	Certis USA	
beta-cyfluthrin	3A	Baythroid XL 1EC	Bayer CropScience	12 hrs/7 days
bifenazate	UN	Acramite 50WS	Chemtura	12 hrs/7 days
botanical oil		Allityn Insect Repellent (garlic oil) <b>Organic / repellent only</b>	Helena	4 hrs/12 hrs
		Ecotec (rosemary, peppermint oils) <b>Organic</b>	Brandt	0 days/day of harvest
		Ecotrol EC (rosemary, peppermint oils) <b>Organic</b>	EcoSMART	
		Trilogy (neem oil) <b>Organic</b>	Certis	4 hrs/day of harvest
buprofezin	16	Centaur WDG	Nichino America	12 hrs/14 days
carbaryl	1A	Carbaryl 4L	Drexel	12 hrs/3 days
		Carbaryl 4L	Loveland	
		Sevin 4F	Bayer	
		Sevin 80 Solupak	Bayer CropScience	
		Sevin 80WSP	Bayer CropScience	
		Sevin SL	Bayer CropScience	
		Sevin XLR Plus 4F	Bayer CropScience	

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chlorpyrifos	1B	Chlorpyrifos 4E AG	MANA	4 days/use only in dormant season
		Chlorpyrifos 4E-AG	Micro Flo	
		Govern 4E	Tenkoz	4 days/apply as dormant or delayed dormant spray
		Hatchet	Dow AgroSciences	4 days/apply as dormant or delayed dormant spray; post-bloom application prohibited
		Lorsban-4E	Dow AgroSciences	4 days/dormant/delayed dormant (pre-bloom) only
		Lorsban Advanced	Dow AgroSciences	Peachtree borer, trunk sprays/pre-plant dips /28 days (do not allow spray to contact fruit) (recommended time for peachtree borer sprays in the Southeast is post-harvest)
		Nufos 4E	Cheminova	4 days/apply as dormant or delayed dormant spray; post-bloom application prohibited
		Warhawk	UAP – Loveland	4 days/apply as dormant or delayed dormant spray;
		Whirlwind 4E	Helena	post-bloom application prohibited
Yuma 4E	Winfield	4 days/apply as dormant or delayed dormant spray		
chlorpyrifos + gamma-cyhalothrin	1B + 3A	Cobalt	Dow AgroSciences	4 days/apply as dormant or delayed dormant spray; post-bloom application prohibited
clofentezine	10A	Apollo SC	MANA	12 hrs/45 days
clothianidin	4A	Belay Insecticide	Valent	12 hrs/7 days (post-bloom only)
		Clutch 50 WDG	Valent	
cyfluthrin	3A	Renounce 20WP	Bayer	12 hrs/7 days
		Tombstone 2EC	Loveland	
		Tombstone Helios	UAP - Loveland	
deltamethrin	3A	Battalion 0.2EC	Arysta LifeScience	12 hrs/21 days
diazinon	1B	Diazinon 50W	MANA	4 days/21 days
		Diazinon AG600 WBC	Loveland	
dichloropropene		Telone II	Dow AgroSciences	5 days/fall pre-plant application only <b>*See additional label precautions.</b>
dicofol	UN	Dicofol 4E	MANA	35 days/7 days
		Kelthane 50WSP	Dow AgroSciences	48 hrs/7 days
emamectin benzoate	6	Proclaim	Syngenta	12 hrs/14 days
endosulfan	2A	Endosulfan 3 EC	Drexel	7 days/21 days
		Thionex 3EC	MANA	
		Thionex 50W	MANA	20 days/21 days
entomopathogenic fungi		BotaniGard ES	Laverlam Intl.	4 hrs/day of harvest
esfenvalerate	3A	Adjourn 0.66EC	MANA	12 hrs/21 days
		Asana XL 0.66EC	DuPont	
etoxazole	10B	Zeal Miticide 1 72W	Valent	12 hrs/14 days
fenbutatin-oxide	12B	Vendex 50WP	UPI	48 hrs/14 days
fenpropathrin	3A	Danitol 2.4 EC	Valent	24 hrs/14 days
fenpyroximate	21A	Portal Miticide/Insecticide	Nichino America	12 hrs/14 days
flonicamid	9C	Beleaf 50 SG	FMC	12 hrs/21 days
flubendiamide	28	Belt SC	Bayer	12 hrs/14 days
flubendiamide + buprofezin	28 + 16	Tourismo	Nichino America	12 hrs/14 days
formetanate hydrochloride	1A	Carzol SP	Gowan	5 days/apply only at petal fall
gamma-cyhalothrin	3A	Proaxis	UAP - Loveland	24 hrs/21 days
granulosis virus		Carpovirusine <b>Organic</b>	Arysta LifeScience	12 hrs/day of harvest
		CYD-X <b>Organic</b>	Certis	4 hrs/day of harvest
hexythiazox	10A	Onager Miticide	Gowan	12 hrs/28 days
		Savey 50 DF	Gowan	12 hrs/28 days
horticultural oil dormant		BioCover LS	Loveland	4 hrs/ dormant/verdant
		BioCover MLT	Loveland	
		Dormant Oil 435	Agrilience, LLC	12 hrs/pre-bloom, after fall leaf drop
		Dormant Spray Oil 100	Helena	4 hrs/apply during dormant or delayed dormant
		Mite-E-Oil	Helena	
		Omni Oil 6E	Helena	12 hrs/apply during dormant or delayed dormant
		Omni Supreme Spray	Helena	
Superior 70 Oil	Loveland	4 hrs/apply during dormant or delayed dormant		

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horticultural oil summer		Glacial Spray Fluid <b>Organic</b>	UAP – Loveland	4 hrs/day of harvest Oil applied after fruit set may alter fruit finish. Test on small basis before using if fruit is present.
		Saf-T-Side	Brandt Consolidated	
		JMS Stylet-Oil	JMS Flower Farms	
		Organic JMS Stylet-Oil <b>Organic</b>	JMS Flower Farms	
		Purespray Green <b>Organic</b>	Petro-Canada	
		Saf-T-Side <b>Organic</b>	Brandt Consolidated	
imidacloprid	4A	Admire Pro 4.6EC	Bayer CropScience	12 hrs/21 days soil
		Advise 2FL	Winfield	12 hrs/21 days soil
		AmTide Imidacloprid 2F	AmTide	12 hrs/21 days soil
		Couraze 2F	Cheminova	12 hrs/21 days soil
		Imida E-AG 2F	Etigra	12 hrs/21 days soil
		Macho 2.0 FL	Albaugh	12 hrs/21 days soil
		Macho 4.0 Flowable	Albaugh	12 hrs/21 days soil
		Montana 4F	Rotam	12 hrs/21 days soil
		Nuprid 2F	Nufarm	12 hrs/21 days soil
		Nuprid 4.6F Pro	Nufarm	12 hrs/21 days soil
		Widow	Loveland	12 hrs/21 days soil
		Advise 2FL	Winfield	12 hrs/7 days foliar
		Couraze 1.6F	Cheminova	12 hrs/7 days foliar
		Couraze 2F	Cheminova	12 hrs/7 days foliar
		Imida E-AG 1.6F	Etigra	12 hrs/7 days foliar
		Macho 2.0 FL	Albaugh	12 hrs/7 days foliar
		Macho 4.0 Flowable	Albaugh	12 hrs/7 days foliar
		Malice 75WSP	Loveland	12 hrs/7 days foliar
		Montana 4F	Rotam	12 hrs/7 days foliar
		Nuprid 1.6F	Nufarm	12 hrs/7 days foliar
Pasada 1.6F	MANA	12 hrs/7 days foliar		
Provado 1.6F	Bayer CropScience	12 hrs/7 days foliar		
imidacloprid + cyfluthrin	4A + 3A	Leverage 2.7	Bayer CropScience	12 hrs/7 days
indoxacarb	22A	Avaunt	DuPont	12 hrs/14 days
kaolin		Surround WP <b>Organic</b>	Tessenderlo Kerley	4 hrs/up to day of harvest
lambda-cyhalothrin	3A	Grizzly Z	Winfield	24 hrs/21 days
		Kaiso 24WG	Nufarm	
		Karate with Zeon Technology	Syngenta	
		Lambda-T	Helena	
		LambdaStar Insecticide	LG Life Sciences	
		Province	TENKOZ	
		Silencer	MANA	
		Taiga Z	Agrilience, LLC	
		Warrior with Zeon Technology 1CS	Syngenta	
Warrior II with Zeon Technology 2.08EC	Syngenta			
lambda-cyhalothrin + chlorantraniliprole	3A + 28	Voliam xpress	Syngenta	24 hrs/21 days
lambda-cyhalothrin + thiamethoxam	3A + 4A	Endigo ZC	Syngenta	24 hrs/35 days
mating disruption, codling moth		CheckMate CM-F	Suterra LLC	4 hrs/day of harvest
		CheckMate CM-WS <b>Organic</b>	Suterra LLC	0 hrs/day of harvest
		CheckMate CM-XL 1000 <b>Organic</b>	Suterra LLC	
		Puffer CM	Suterra LLC	
mating disruption, oriental fruit moth		CheckMate OFM-F	Suterra LLC	0 days/day of harvest
		CheckMate OFM-SL <b>Organic</b>	Suterra LLC	
		Isomate-M 100 <b>Organic</b>	Pacific Biocontrol Corp.	
		Puffer OFM	Suterra LLC	
metaldehyde		Deadline Bullets for slugs & snails	Amvac	12 hrs/day of harvest
		Deadline M-Ps for slugs & snails	Amvac	
methidathion	1B	Supracide 2E	Gowan	3 days/apply during dormant or delayed dormant period
		Supracide 25-W	Gowan	

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methomyl	1A	Lannate LV 2.4EC	DuPont	72 hrs/14 days, ground application only
		Lannate SP 90WSP	DuPont	
methoprene	7A	Extinguish Professional Fire Ant Bait	Wellmark	4 hrs/day of harvest <b>*Allow 6-8 weeks before expecting control</b>
methoxyfenozide	18	Intrepid 2F	Dow AgroSciences	4 hrs/14 days
novaluron	15	Rimon 0.83EC	Chemtura	12 hrs/14 days
oxamyl	1A	Vydate L	DuPont	48 hrs/14 days
permethrin	3A	Ambush 25W	Amvac Chemical	12 hrs/do not apply after petal fall
		Permethrin	Loveland	
		Permethrin 3.2 AG	Arysta LifeScience	
		Permethrin 3.2EC	Helena	
		Pounce 25WP	FMC	
phosmet	1B	Imidan 70-W	Gowan	3 days/7 days
potassium salts		M-Pede <b>Organic</b>	Dow AgroSciences	12 hrs/day of harvest
pyrethrins	3A	PyGanic 1.4EC <b>Organic</b>	MGK Company	12 hrs/day of harvest
		PyGanic 5.0EC <b>Organic</b>	MGK Company	
pyridaben	21A	Nexter 75W	Gowan	12 hrs/25 days
pyriproxyfen	7DC	Esteem 35 WP	Valent	12 hrs/45 days
		Esteem 0.86 EC	Valent	12 hrs/24 hrs
		Esteem Ant Bait	Valent	12 hrs/24 hrs
rynaxypyr	28	DuPont Altacor	DuPont	4 hrs/5 days
spinetoram	5	Delegate WG	Dow AgroSciences	4 hrs/7 days
spinosad	5	Entrust <b>Organic</b>	Dow AgroSciences	4 hrs/7 days
		Seduce Insect Bait <b>Organic</b>	Certis	
		SpinTor 2SC	Dow AgroSciences	
		Success Naturalyte Insect Control	Dow AgroSciences	
spinosad fruit fly bait	5	GF-120 NF Naturalyte <b>Organic</b>	Dow AgroSciences	4 hrs/day of harvest
spirodiclofen	23	Envidor 2SC Miticide	Bayer CropScience	12 hrs/7 days
spirotetramat	23	Movento	Bayer CropScience	24 hrs/7 days
sulfur		Microthiol Disperss <b>Organic / mite suppression only</b>	UPI	24 hrs/day of harvest
tebufenozide	18	Confirm 2F	Dow AgroSciences	4 hrs/14 days
thiacloprid	4A	Calypso 4F	Bayer CropScience	12 hrs/30 days
thiamethoxam	4A	Actara	Syngenta	12 hrs/14 to 35 days
thiamethoxam + chlorantraniliprole	4A + 28	Voliam flexi	Syngenta	12 hrs/35 days
zeta cypermethrin	3A	Mustang	FMC	12 hrs/14 days
		Mustang Max	FMC	