

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 7/23/2009). 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	Makhteshim Agan	
		Agri-Mek 0.15EC	Syngenta	
		Epi-mek 0.15EC	Syngenta	
		Temprano	Chemtura	
		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	18B	Aza-Direct Organic	Gowan	4 hrs/day of harvest
		Azatin XL	OHP	12 hrs/day of harvest
		Neemix 4.5 Organic	Certis USA	
azinphos methyl	1B	Guthion Solupak 50%	Bayer CropScience	14 days/14 to 21 days
<i>Bacillus thuringiensis</i> subsp. <i>aizawai</i>	11B1	Agree WG Organic	Certis USA	4 hrs/day of harvest
		Jackpot WP	Certis USA	
		XenTari Organic	Valent	
<i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i>	11B2	Crymax	Certis USA	4 hrs/day of harvest
		Deliver Organic	Certis USA	
		DiPel DF Organic	Valent	
		Dipel ES	Valent	
		Javelin WG Organic	Certis USA	
beta-cyfluthrin	3	Baythroid XL 1EC	Bayer CropScience	12 hrs/7 days
bifenazate	25	Acramite 50WS	Chemtura	12 hrs/7 days
botanical oil		Allityn Insect Repellent (garlic oil) Organic / repellent only	Helena	4 hrs/12 hrs
		Ecotrol EC (rosemary, peppermint oils) Organic	EcoSMART	0 days/day of harvest
		Trilogy (neem oil) Organic	Certis	4 hrs/day of harvest
buprofezin	16	Centaur	Nichino America	12 hrs/14 days
carbaryl	1A	Carbaryl 4L	UAP - Loveland	12 hrs/3 days
		Sevin 80S	Bayer CropScience	
		Sevin SL	Bayer CropScience	
		Sevin 80WSP	Bayer CropScience	
		Sevin XLR Plus 4F	Bayer CropScience	
chlorpyrifos	1B	Chlorpyrifos 4E AG	Makhteshim Agan	4 days/use only in dormant season
		Chlorpyrifos 4E-AG	Micro Flo	
		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 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; post-bloom application prohibited
clofentezine	10A	Apollo SC	Makhteshim Agan	12 hrs/45 days
clothianidin	4A	Clutch 50 WDG	Valent	12 hrs/7 days (post-bloom only)

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cyfluthrin	3	Renounce 20WP	Bayer	12 hrs/7 days
		Tombstone 2EC	Loveland	
		Tombstone Helios	UAP - Loveland	
deltamethrin	3	Battalion 0.2EC	Arysta LifeScience	12 hrs/21 days
dichloropropene		Telone II	Dow AgroSciences	5 days/fall pre-plant application only *See additional label precautions.
dicofol	UN C	Dicofol 4E	Makhteshim Agan	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	24 hrs/21 days
		Phaser 3EC	Bayer CropScience	
		Thionex 3EC	Makhteshim Agan	48 hrs/21 days
		Thionex 50W	Makhteshim Agan	4 days/21 days
esfenvalerate	3	Adjourn 0.66EC	Makhteshim Agan	12 hrs/21 days
		Asana XL 0.66EC	DuPont	
etoxazole	10C	Zeal Miticide 1 72W	Valent	12 hrs/14 days
fenbutatin-oxide	12B	DuPont Vendex 50WP	DuPont	48 hrs/14 days
fenpropathrin	3	Danitol 2.4 EC	Valent	24 hrs/14 days
fenpyroximate	21	Portal Miticide/Insecticide	Nichino America	12 hrs/14 days
flonicamid	9C	Beleaf 50 SG	FMC	12 hrs/21 days
formetanate hydrochloride	1A	Carzol SP	Gowan	5 days/apply only at petal fall
gamma-cyhalothrin	3	Proaxis	UAP - Loveland	24 hrs/21 days
granulosis virus		Carpovirusine Organic	Arysta LifeScience	12 hrs/day of harvest
		CYD-X Organic	Certis	4 hrs/day of harvest
hexythiazox	10B	Savey 50 DF	Gowan	12 hrs/28 days
horticultural oil dormant		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 period
		Mite-E-Oil	Helena	
		Omni Oil 6E	Helena	
		Omni Supreme Spray	Helena	12 hrs/apply during dormant or delayed dormant period
horticultural oil summer		Glacial Spray Fluid Organic	UAP – Loveland	4 hrs/day of harvest
		Saf-T-Side	Brandt Consolidated	Oil applied after fruit set may alter fruit finish. Test on small basis before using if fruit is present.
		Ultra-Fine Oil	Whitmire Micro-Gen	
imidacloprid	4A	Admire 2F	Bayer CropScience	12 hrs/21 days soil applied only
		Admire Pro 4.6EC	Bayer CropScience	12 hrs/21 days soil applied only
		Advise 2FL	Agrilience, LLC	12 hrs/21 days soil applied only
		Couraze 2F	Cheminova	12 hrs/21 days soil applied only
		Imida E-AG 2F	Etigra	12 hrs/21 days soil applied only
		Nuprid 2F	Nufarm	12 hrs/21 days soil applied only
		Nuprid 4.6F Pro	Nufarm	12 hrs/21 days soil applied only
		Couraze 1.6F	Cheminova	12 hrs/7 days foliar
		Imida E-AG 1.6F	Etigra	12 hrs/7 days foliar
		Nuprid 1.6F	Nufarm	12 hrs/7 days foliar
		Pasada 1.6F	Makhteshim Agan	12 hrs/7 days foliar
Provado 1.6F	Bayer CropScience	12 hrs/7 days foliar		
imidacloprid + cyfluthrin	4A + 3	Leverage 2.7	Bayer CropScience	12 hrs/7 days
indoxacarb	22	Avaunt	DuPont	12 hrs/14 days
kaolin		Surround WP Organic	Tessengerlo Kerley	4 hrs/up to day of harvest
lambda-cyhalothrin	3	Lambda-T	Helena	24 hrs/21 days
		Silencer	Makhteshim Agan	
		Taiga Z	Agrilience, LLC	
		Warrior with Zeon Technology 1CS	Syngenta	
		Warrior II with Zeon Technology 2.08EC	Syngenta	

Active ingredient	IRAC group #	Trade name	Manufacturer	Re-Entry Interval (REI)/ Pre-Harvest Interval (PHI)
mating disruption, codling moth		CheckMate CM-F	Suterra LLC	4 hrs/day of harvest
		CheckMate CM-WS Organic	Suterra LLC	0 hrs/day of harvest
		CheckMate CM-XL 1000 Organic	Suterra LLC	
		Puffer CM	Suterra LLC	
mating disruption, oriental fruit moth		CheckMate OFM-F	Suterra LLC	0 days/day of harvest
		CheckMate OFM-SL Organic	Suterra LLC	
		Isomate-M 100 Organic	Pacific Biocontrol Corp.	
		Puffer OFM	Suterra LLC	
methidathion	1B	Supracide 2E	Gowan	3 days/apply during dormant or delayed dormant period
		Supracide 25-W	Gowan	2 to 14 days/apply during dormant or delayed dormant period
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 *Allow 6-8 weeks before expecting control
methoxyfenozide	18A	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	3	Ambush 25W	Amvac Chemical	12 hrs/do not apply after petal fall
		Pounce 25WP	FMC	
phosmet	1B	Imidan 70-W	Gowan	3 days/7 days
pyrethrins & rotenone	3 & 21	Pyrellin E.C.	Webb Wright	12 hrs/12 hrs
pyridaben	21	Nexter 75W	Gowan	12 hrs/25 days
		Pyramite 60W	BASF	
pyriproxyfen	7D	Esteem 35 WP	Valent	12 hrs/45 days
		Esteem 0.86 EC	Valent	12 hrs/24 hrs
		Esteem Ant Bait	Valent	
rynaxypyr	28	DuPont Altacor	DuPont	4 hrs/14 days
spinetoram	5	Delegate WG	Dow AgroSciences	4 hrs/7 days
spinosad	5	Entrust Organic	Dow AgroSciences	4 hrs/7 days
		SpinTor 2SC	Dow AgroSciences	
		Success Naturalyte Insect Control	Dow AgroSciences	
spinosad fruit fly bait	5	GF-120 NF Naturalyte Organic	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 Organic / mite suppression only	UPI	24 hrs/day of harvest
tebufenozide	18A	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
zeta cypermethrin	3	Mustang	FMC	12 hrs/14 days
		Mustang Max	FMC	