

## Georgia Black Walnut 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 4/28/2011). 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 hr/21 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/7 days
acetamiprid	4A	Assail 30SG	UPI	12 hrs/14 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	12 hrs/day of harvest
		Neemix 4.5 <b>Organic</b>	Certis USA	
<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/14 days
bifenazate	UN	Acramite 50WS	Chemtura	12 hrs/14 days
bifenthrin	3A	Brigade WSB	FMC	12 hrs/7 days
		Swagger	Loveland	
bifenthrin + imidacloprid	3A + 4A	Brigadier	FMC	12 hrs/7 days
botanical oil		Ecotec (rosemary, peppermint oils) <b>Organic</b>	Brandt	0 days/day of harvest
		Ecotrol EC (rosemary, peppermint oils) <b>Organic</b>	EcoSMART	
		Requiem 25EC	AgraQuest	4 hrs/day of harvest
		Trilogy (neem oil) <b>Organic</b>	Certis	4 hrs/avoid spraying after husk split
carbaryl	1A	Carbaryl 4L	Drexel	12 hrs/14 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	24 hrs/14 days
		Chlorpyrifos 4E-AG	Micro Flo	
		Govern 4E	Tenkoz	
		Hatchet	Dow AgroSciences	
		Lorsban Advanced	Dow AgroSciences	
		Lorsban-4E	Dow AgroSciences	foliar sprays 24 hrs/14 days
		Nufos 4E	Cheminova	24 hrs/14 days
		Warhawk	UAP – Loveland	24 hrs/dormant or delayed dormant spray;
		Whirlwind 4E	Helena	24 hrs/14 days foliar spray
Yuma 4E	Winfield			
chlorpyrifos + gamma-cyhalothrin	1B + 3A	Cobalt	Dow AgroSciences	24 hrs/14 days
clofentezine	10A	Apollo SC	MANA	12 hrs/30 days
clothianidin	4A	Belay Insecticide	Valent	foliar post-bloom 12 hrs/21 days
cyfluthrin	3A	Renounce 20WP	Bayer	12 hrs/14 days
		Tombstone 2EC	UAP - Loveland	
		Tombstone Helios	UAP - Loveland	
dicofol	UN	Dicofol 4E	MANA	49 days/applications must be made before shuck split
diflubenzuron	15	Dimilin 2L	Chemtura	12 hrs/28 days
esfenvalerate	3A	Adjourn 0.66EC	MANA	12 hrs/21 days
		Asana XL 0.66EC	DuPont	
etoxazole	10B	Zeal Miticide 1 72W	Valent	12 hrs/28 days
fenbutatin-oxide	12B	Vendex 50WP	UPI	48 hrs/14 days
fenpropathrin	3A	Danitol 2.4 EC	Valent	24 hrs/3 days
fenproximate	21A	Portal Miticide/Insecticide	Nichino America	12 hrs/14 days
flubendiamide	28	Belt SC	Bayer	12 hrs/14 days
gamma-cyhalothrin	3A	Proaxis	UAP - Loveland	24 hrs/14 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/7 days
		Savey 50 DF	Gowan	12 hrs/28 days
horticultural oil dormant		BioCover LS	Loveland	4 hrs/ dormant/verdant do not apply after husk split
		BioCover MLT	Loveland	
		Dormant Spray Oil 100	Helena	
		Mite-E-Oil	Helena	
		Omni Oil 6E	Helena	
		Omni Supreme Spray	Helena	
Par F 70 Soluble Oil	Helena	12 hrs/dormant or delayed dormant		
horticultural oil summer		Glacial Spray Fluid <b>Organic</b>	UAP – Loveland	4 hrs/do not apply after delayed dormant Oil applied after fruit set may alter fruit finish. Test on small basis before using if fruit is present.
		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 (soil)	4A	Admire Pro 4.6EC	Bayer CropScience	12 hrs/7 days soil
		Advise 2FL	Winfield	12 hrs/7 days soil
		AmTide Imidacloprid 2F	AmTide	12 hrs/7 days soil
		Macho 2.0 FL	Albaugh	12 hrs/7 days soil
		Macho 4.0 Flowable	Albaugh	12 hrs/7 days soil
		Montana 4F	Rotam	12 hrs/7 days soil
		Nuprid 2F	Nufarm	12 hrs/7 days soil
		Nuprid 4.6F Pro	Nufarm	12 hrs/7 days soil
Widow	Loveland	12 hrs/7 days soil		

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imidacloprid (foliar)	4A	Advise 2FL	Winfield	12 hrs/7 days foliar
		Couraze 1.6F	Chemnova	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
		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
		Trimax Pro	Bayer CropScience	12 hrs/7 days foliar
imidacloprid + cyfluthrin	4A + 3A	Leverage 2.7	Bayer CropScience	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/14 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/14 days
lambda-cyhalothrin + thiamethoxam	3A + 4A	Endigo ZC	Syngenta	24 hrs/14 days
malathion	1B	Gowan Malathion 8 Flowable	Gowan	12 hrs/day of harvest
		Malathion 57 EC	Loveland	
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	
methidathion	1B	Supracide 2E	Gowan	3 days/7 days
		Supracide 25-W	Gowan	
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
permethrin	3A	Ambush 25W	Amvac Chemical	12 hrs/24 hrs
		Permethrin	Loveland	
		Permethrin 3.2 AG	Arysta LifeScience	
		Permethrin 3.2EC	Helena	
		Pounce 25WP	FMC	
phosmet	1B	Imidan 70-W	Gowan	7 days/28 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/7 days
pyriproxyfen	7C	Esteem 35 WP	Valent	12 hrs/21 days
		Esteem 0.86 EC	Valent	
		Esteem Ant Bait	Valent	12 hrs/24 hrs
		Knack Insect Growth Regulator 0.86EC	Valent	12 hrs/21 days <b>GA, FL only</b>
rynaxypyr	28	DuPont Altacor	DuPont	4 hrs/10 days
spinetoram	5	Delegate WG	Dow AgroSciences	4 hrs/14 days
spinosad	5	Entrust <b>Organic</b>	Dow AgroSciences	4 hrs/14 days
		Seduce Insect Bait <b>Organic</b>	Certis	
		SpinTor 2SC	Dow AgroSciences	
		Success Naturalyte Insect Control	Dow AgroSciences	

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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
thiamethoxam	4A	Centric 40WG	Syngenta	12 hrs/14 days
zeta cypermethrin	3A	Mustang	FMC	12 hrs/7 days
		Mustang Max	FMC	