

2020 Fire Ant Products for the General Public Sorted by Formulation, Product Name and Use Site

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This publication is intended as an update to UT Extension fire ant publications, such as “SP 419 The Two-Step Method: Managing Fire Ants Around Homes and In Neighborhoods” (extension.tennessee.edu/publications/Documents/SP419.pdf) and “PB 1739 Managing Fire Ants in Urban Areas” (extension.tennessee.edu/publications/Documents/PB1739.pdf). While many copies of the printed version are in circulation, they may contain outdated pesticide suggestions. Thus, the following tables list current products to be used with the printed and web publications. A pesticide can only be applied to a site listed on the label. Formulations (bait, dust, granular and liquids) are provided in separate tables, and application sites for each product are indicated to help select a product for the needed site and to prevent misapplications to unlisted sites. Most products listed are for the general public with a few exceptions. The products listed under electrical equipment and utility housing are meant to be applied by professionals, and the products listed in the Quarantine tables are for nursery and sod producers in the federal quarantine expecting to ship outside the quarantine.

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Bait Name	Active Ingredient	EPA reg #	Home Lawn/Ornamentals		Perimeter	Rec. Areas		Right of Ways		Pasture ¹		Poultry Houses		Crop Area 2 & 3		Other Ag. Fence Rows, Ditches, Out Bldgs., etc.	Sod		Nursery Container 2 & 3		Nursery B&B ³		Interior ⁴
			B	IMT		P	B	IMT	B	IMT	B	IN	B	IMT	B		IMT	B	IMT	B	IMT	B	
Abathor Fire Ant Bait	Abamectin B1	83923-7	X	X	X	X	X																X
Advion Fire Ant Bait	Indoxacarb	100-1481	X	X		X	X	X	X	X ⁵	X ⁵						X	X	X	X			
Amdro Ant Block	Hydramethylnon	73342-2		X	X		X					X											
Amdro Fire Ant Bait	Hydramethylnon	73342-1	X	X		X	X					X											
Amdro Yard Treatment Bait	Hydramethylnon + (s) methoprene (IGR)	73342-6	X			X						X											
Amdro Pro Fire Ant Bait	Hydramethylnon	241-322	X	X		X	X	X	X	X	X	X					X	X	X	X	X	X	X
Award® II Fire Ant Bait	Abamectin	100-1452	X	X		X	X												X				
Clinch Ant Bait	Abamectin	100-894										X		X	X	X	X						
Distance Fire Ant Bait	Pyriproxyfen (IGR)	1021-1728-59639	X	X		X	X	X	X	X ⁶	X ⁶						X	X	X	X	X	X	X
Ortho Fire Ant Killer Mound Bait	Indoxacarb	239-2722		X	X																		
Esteem Ant Bait	Pyriproxyfen (IGR)	59639-114								X	X			X	X	X	X						
Extinguish Plus	Methoprene (IGR) + Hydramethylnon	2724-496	X	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X
Extinguish Professional Fire Ant Bait	Methoprene	2724-475	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
Ferti-Lome Come And Get It! Fire Ant Killer	Spinosad	62719-329-7401	X	X		X	X							X									
Maxforce FC Fire Ant Bait	Fipronil	432-1433	X	X		X	X										X	X					
Prescription Treat. Advance 375 A Select Granular Ant Bait	Abamectin B1	499-370	X	X	X	X	X																X
Prescription Treat. Ascend Fire Ant Bait Formula 1	Abamectin B1	499-370	X	X		X	X																X
Pro bait Formulation For Professionals	Hydramethylnon	73342-1-2724	X	X		X	X	X	X			X											
Siesta Insecticide Fire Ant Bait	Metaflumizone	7969-232	X	X	X	X	X	X	X			X				X	X	X	X	X	X		
Southern Ag Payback Fire Ant Bait	Spinosad	62719-304-829	X	X	X																		

Key
B = Broadcast
IMT = Individual Mound Treatment
P = Perimeter
IN = Interior
(IGR) = Insect Growth Regulator

1. Check label for restrictions on applying the product in areas grazed by livestock or other domestic animals or on feeding treated sod clippings to them.
2. Check label to see which crops may be treated.
3. Check label for restrictions on harvesting after application to soil around non-bearing fruit and nut nursery stock.
4. Check label for sites where the product may be applied.
5. May be applied to pastures and rangeland if used ONLY for COMPANION ANIMALS (horses, llamas, etc.). Companion animals grazed on treated areas cannot be used for food or feed.
6. May be used on non-grazed pasture.

Dust Name	Active Ingredient	EPA reg #	Home Lawn/ Ornamentals		Peri- meter	Rec. Areas		Rights of Way		Other Ag. (Fence Rows, Field Borders, etc.)		Interior ¹	Motor housings junction boxes, switch boxes, conduits ²
			B	IMT		P	B	IMT	B	IMT	B		
Bayer Advanced Fire Ant Killer Ready-To-Use Dust	β-Cyfluthrin	72155-32		X									
Bengal Ultradust 2X Fire Ant Killer	Deltamethrin	68543-26		X									
Bombs Away	Pyrethrins, Piperonyl Butoxide, Silicon Dioxide	10088-93-1553		X								X	X
Delta Dust Insecticide	Deltamethrin	432-772		X									
Demise Fire Ant & Insect Dehydrator	Pyrethrins, Piperonyl Butoxide, Silicon Dioxide	10088-93-68562		X								X	X
Eagles-7 Fire Ant Destroyer	Deltamethrin	3487-29		X	X								
Hi-Yield Fire Ant Killer with Acephate	Acephate	70506-1-7401		X			X				X		
Hi-Yield Multi-Use Dust	Deltamethrin	7401-452		X									
Martin's Surrender Fire Ant Killer Insecticide	Acephate	53883-133		X			X		X		X		
Ortho Orthene Fire Ant Killer 1	Acephate	239-2632		X									
Tempo 1 % Dust	Cyfluthrin	432-1373		X									
Terro Ant Dust	Deltamethrin	149-12		X									
WildFire Fire Ant and Insect Dehydrator	Pyrethrins, Piperonyl Butoxide, Silicon Dioxide	10088-93-11547		X								X	X

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1. Check label for sites where the product may be applied.
 2. For safety reasons, only electricians or licensed pest control operators should treat electrical equipment. Specialized products and training are necessary to treat these sites safely and effectively.

Granular Name	Active Ingredient	EPA reg #	Home Lawn/ Ornamentals		Perimeter	Rec. areas		Sod	
			B	IMT	P	B	IMT	B	IMT
Allectus G Insecticide	Imidacloprid & Bifenthrin	432-1407	X	X		X	X		
Bifen L/P	Bifenthrin	53883-124	X	X	X	X	X		
Bonide Ant Killer Granules	Permethrin	4-425		X					
Bonide Eight Insect Control Flower & Vegetable Above & Below Soil Insect Granules	Bifenthrin	53883-194-4	X	X	X				
Chipco Choice Insecticide	Fipronil	432-896	X			X		X	
DeltaGard G Insecticide Granule	Deltamethrin	432-836	X	X	X	X	X		
Eco Exempt G Granular Insecticide	Hexa-Hydroxyl	N/A		X			X		
Garden Tech Advanced Over'N Out! Fire Ant Killer	Zeta-cypermethrin & Bifenthrin	279-3344-71004	X	X	X				
Hi-Yield Bug Blaster II Turf Insect Control Granules	Bifenthrin	228-498-7401	X	X		X	X		
Hi-Yield Imported Fire Ant Control Granules Containing Deltamethrin	Deltamethrin	7401-454	X	X	X				
Hi-Yield Kill-a-Bug II Lawn Granules	Permethrin	7401-453		X					
Hi-Yield Turf Ranger Insect Control Granules	Deltamethrin	7401-454	X	X	X				
Howard Johnsons Bifenthrin PL Granular	Bifenthrin	53883-124-32802	X	X	X				
Howard Johnsons Permethrin 0.25 G	Permethrin	53883-39-32802		X					
Knockout Ant, Flea & Tick Killer II Granules	Bifenthrin	228-494-59144	X	X	X				
Knockout Fire Ant Killer Plus Granules II	Bifenthrin	228-494-59144	X	X	X				
Lesco Crosscheck EZ Granular Insecticide	Bifenthrin	279-3168-10404	X	X	X	X	X		
Ortho Fire Ant Killer Mound Treatment 1	Bifenthrin	239-2738		X					
Ortho Max Fire Ant Killer Broadcast Granules	Bifenthrin	239-2681	X	X					
Southern Ag Lawnstar Insecticide Granules	Bifenthrin	70506-73-829	X	X		X	X		
Southern Ag Permetrol Lawn Insecticide Granules	Permethrin	829-296		X					

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Granular Name Continued	Active Ingredient	EPA reg #	Home Lawn/ Ornamentals		Perimeter	Rec. areas		Sod	
			B	IMT	P	B	IMT	B	IMT
Spectracide Fire Ant Shield Mound Destroyer Granules	Lambda-Cyhalothrin	9688-174-8845		X					
Spectracide Fire Ant Shield Yard Protection	Lambda--Cyhalothrin	9688-232-8845	X	X	X				
Spectracide Triazicide Insect Killer for lawns Granules	Gamma-Cyhalothrin	9688-250-8845	X	X	X				
Talstar XTRA	Zeta-cypermethrin & Bifenthrin	279-9552	X	X	X	X	X		
Talstar PL	Bifenthrin	279-3168	X	X	X	X	X		
Terro Ant Killer Plus Multi-Purpose Insect Control 2	Lambda--Cyhalothrin	53883-195-149		X	X				
TopChoice Insecticide	Fipronil	432-1217	X			X		X	
Up-Star Gold Granular Insecticide	Bifenthrin	70506-73	X	X		X	X		
Wisdom EZ & Lawn Granular	Bifenthrin	5481-521	X	X	X	X	X		

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Liquid Name	Active Ingredient	EPA reg #	Home Lawn/ Ornamentals		Perimeter	Rec. Areas		Crop Areas ¹	Turf	Interior ²
			B	IMT		B	IMT			
Astro	Permethrin	279-3141	X	X	X	X	X			
Bayer Advanced Carpenter Ant & Termite Killer Plus Concentrate	β-Cyfluthrin	72155-58		X						
Bayer Advanced Home Pest Control Indoor & Outdoor Insect Killer RTU	β-Cyfluthrin	72155-27		X	X					
Bifen I/T	Bifenthrin	53883-118	X	X	X	X	X			
Bull's-Eye Bioinsecticide	Spinosad	62719-314-56872		X						
Bonide Captain Jack's DeadBug Brew Concentrate	Spinosad	4-471		X						
Bonide Colorado Potato Beetle Beater Conc.	Spinosad	62719-314-4		X				X		
Cyonara Lawn & Garden Insect Control	Lambda-Cyhalothrin	53883-197		X						
Cyzmic CS	Lambda-Cyhalothrin	53883-261	X	X		X	X			
Demand CS	Lambda-Cyhalothrin	100-1066	X	X		X	X			
Entrust	Spinosad	62719-282		X			X		X	
Natural Guard by Ferti-lome Bagworm, Tent Caterpillar and Chewing Insect Control Spray	Spinosad	62719-314-7401		X						
Hi-Yield Bug Blaster Bifenthrin 2.4	Bifenthrin	228-459-7401		X						
Hi-Yield Indoor/Outdoor Broad Use Insecticide	Permethrin	7401-455		X			X			
Hi-Yield 38 Plus Turf, Termite & Ornamental Insect Control	Permethrin	7401-466		X						
Martin's Permethrin SFR Termiticide/Insecticide	Permethrin	70506-6-53883		X						X
Masterline Bifenthrin 7.9% T/I	Bifenthrin	73748-7	X	X	X	X	X			
Mavrik Perimeter	Tau-Fluvalinate	2724-478		X	X					
Menace 7.9% Flowable	Bifenthrin	228-451	X	X	X	X	X			
Monterey Garden Insect Spray	Spinosad	62719-314-54705		X						
Optigard Flex Liquid	Thiamethoxam	100-1306		X						
Optimate CS	Gamma-Cyhalothrin	279-3612-53883	X	X	X					X
Orange Guard Fire Ant Control	D-Limonene	61887-2-AA		X	X					X

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B = Broadcast

IMT = Individual Mound

Treatment

P = Perimeter

IN = Interior

1. Check label to see which crops may be treated.

2. Check label for sites where the product may be applied.

Liquid Name Continued	Active Ingredient	EPA reg #	Home Lawn/ Ornamentals		Perimeter	Rec. Areas		Crop Areas ¹	Turf	Interior ²
			B	IMT		P	B			
Orthene TTO WSP	Acephate	5481-8971		X			X		X	
Patrol	Lambda-Cyhalothrin	100-1066		X	X		X			X
Permethrin CS	Permethrin	53883-282		X	X				X	X
Quali-Pro® Bifen I/T 7.9 F	Bifenthrin	66222-190	X	X		X	X			
Scimitar CS	Lambda-Cyhalothrin	100-1078	X	X		X	X			
Southern Ag Conserve Naturalyte Insect Control	Spinosad	62719-314-829		X						
Stormtrooper Fire Ant Killer	Tetramethrin & Permethrin	44446-64		X	X					X
Suspend Polyzone	Deltamethrin	432-1514		X	X					
Suspend SC	Deltamethrin	432-763		X	X		X			X
Talstar P	Bifenthrin	279-3206	X	X	X	X	X			
Tempo SC Ultra	β-Cyfluthrin	432-1363		X	X		X			
Tempo Ultra WP	β-Cyfluthrin	432-1304	X	X	X	X	X			
Termite & Carpenter Ant Killer Concentrate	Permethrin	4-349		X						
Wisdom TC Flowable	Bifenthrin	5481-520	X	X	X	X	X			

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IMT = Individual Mound Treatment

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1. Check label to see which crops may be treated.

2. Check label for sites where the product may be applied.

Fire Ant Products Labeled for Electrical Equipment and Utility Housing

Dust Trade Name	Active Ingredient	EPA Reg #	Individual Mounds	Interior ¹	Perimeter	Motor housings, switch boxes, junction boxes ²	Above ground transformers, in ground Utility boxes ²	Pad-mounted utilities ²
Bombs Away	Pyrethrins, PBO, Silicon Dioxide	10088-93-1553	X	X		X		
Demise Fire Ant & Insect Dehydrator	Pyrethrins, PBO, Silicon Dioxide	10088-93-68562	X	X		X		
WildFire Fire Ant and Insect Dehydrator	Pyrethrins, PBO, Silicon Dioxide	10088-93-11547	X	X		X		
Cynoff Insecticide	Zeta-Cypermethrin, PBO	279-3259		X	X	X		

Bait Trade Name

Abathor Fire Ant Bait	Abamectin B1	83923-7	X	X	X		X	
Prescription Treat. Ascend Fire Ant Bait Formula 1	Abamectin B1	499-370	X	X	X		X	

Granular Trade Name

Bifen L/P	Bifenthrin	53883-124	X		X			X
Hi-Yield Bug Blaster II Turf Insect Control Granules	Bifenthrin	228-498-7401	X		X			X
Howard Johnson's Bifenthrin PL Granular	Bifenthrin	53883-124-32802	X		X			X
Lesco Crosscheck EZ & PL Granular Insecticide	Bifenthrin	279-3168-10404	X		X			X
Talstar PL	Bifenthrin	279-3168	X		X			X
Wisdom EZ & Lawn Granular	Bifenthrin	5481-521	X		X			X

1. Interior treatments should be applied as crack and crevice and only when children are not present unless the label states otherwise.

2. For safety reasons, only electricians or licensed pest control operators should treat electrical equipment. Specialized products and training are necessary to treat these sites safely and effectively.

Labels Available for Use in IFA Quarantine (March 2018)

Labels located online as of March 2018 – others may be available. Availability determined by manufacturer website and/or National Pesticide Information Center-State Pesticide Regulatory Agencies website link: npic.orst.edu/reg/state_agencies.html and/or cdms.net. Pesticide products information not available specifically for Puerto Rico in some cases.

Chemical	Product label	Manufacturer/Distributor	Use in Quarantine	Availability in IFA states
Abamectin	Award® II Fire Ant Bait	Syngenta	field grown/IFA-free ¹	all including PR
Bifenthrin	Talstar® Nursery Granular Insecticide	FMC Corp	Containers	all, unknown PR
	Bifenthrin Nursery Granular Insecticide	Southern Agricultural Insecticides, Inc.	Containers	FL, GA, NC, TN
	Broadcide™ NG	Regal Chemical Co	Containers	GA only
	Up-Star® Nursery Granular Insecticide	United Phosphorus, Inc.	Containers	all except PR
	Wisdom™ Nursery Granular Insecticide	Amvac Chemical Corp	Containers	all, including PR
	Talstar® S Select Insecticide	FMC Corp.	Containers/B&B/sod	all, unknown PR
	OnyxPro® Insecticide	FMC Corp.	Containers/B&B/Sod	all, unknown PR
	Avalon™ Golf & Nursery Insecticide	Prokoz	Containers/B&B/Sod	all except CA and PR
	Bifen G/N 7.9 Select	Prime Source LLC	Containers	all except CA, unknown PR
	Menace™ GC 7.9% Flowable	Nufarm Americas, Inc.	Containers	all except PR
	Quali-Pro® Bifenthrin Golf & Nursery 7.9F	Quali-Pro Professional T&O Products	Containers	all, unknown PR
	Up-Star® SC Lawn & Nursery Insecticide	United Phosphorus, Inc.	Containers	all including PR
	Wisdom™ Flowable	Amvac Chemical Corp	Containers	all including PR
	Chlorpyrifos²	Chlorpyrifos AG 4E	Makhteshim Agan/Adama USA	B&B/Containers
Chlorpyrifos 4E-AG		Drexel Chemical Co.	B&B/Containers	all including PR
Chlorpyrifos SPC 2		Nufarm	B&B/Containers	all except CA, unknown PR

¹ Field-grown nursery stock requires bait + contact insecticide treatment; as of 1/23/18 no labels were available for the contact insecticide portion of the treatment. Therefore, the only IFA quarantine use for bait as of 1/23/18 is within the IFA-free nursery program.

² All the chlorpyrifos labels were on the companies' websites as of 1/23/18; not all may be available throughout 2018 but existing supplies of any chlorpyrifos EC label with IFA quarantine use patterns may be used up.

Labels Available for Use in IFA Quarantine (March 2018) - Continued

Labels located online as of March 2018 – others may be available Availability determined by manufacturer website and/or

National Pesticide Information Center-State Pesticide Regulatory Agencies website link: npic.orst.edu/reg/state_agencies.html and/or cdms.net.

Pesticide products information not available specifically for Puerto Rico in some cases.

Chemical	Product label	Manufacturer/Distributor	Use in Quarantine	Availability in IFA states
Chlorpyrifos²	Chlorpyrifos SPC 4	Nufarm	B&B/Containers	all except CA, unknown PR
	CPF 4E	Direct Ag Source	B&B/Containers	all except AL, OK, unknown PR
	Quali-Pro® Chlorpyrifos 4E	Quali-Pro Professional T&O Products	B&B/Containers	all, unknown PR
	Vulcan®	Makhteshim Agan/Adama	B&B/Containers	all except PR
Diazinon	Contact your local state regulatory official to determine whether your state has a FIFRA section 24(c) exemption to use this product – Diazinon AG500, Diazinon 50W.			
Fenoxycarb	Award® Fire Ant Bait Syngenta has discontinued Award with fenoxycarb, but existing supplies may be used	Syngenta	field grown/IFA-free ¹	discontinued
Fipronil	Chipco® Choice™	Bayer	sod	all including PR
	TopChoice™	Bayer	sod	all including PR
	Fipronil 0.0143G Broadcast	Quali-Pro	sod	all except CA, VA, unknown PR
	Fipronil 0.1G	Quali-Pro	sod	all except CA, VA, unknown PR
	Taurus® Trio G	Control Solutions, Inc	sod	all except CA, unknown PR
Hydramethylnon	Amdro®Pro Fire Ant Bait	BASF Corp	field grown/IFA-free ¹	all including PR
Hydramethylnon plus Methoprene	Extinguish® Plus Bait	Wellmark International	field grown/IFA-free ¹	all including PR
Metaflumizone	Siesta™ Fire Ant Bait	BASF Corp	field grown/IFA-free ¹	all including PR
Methoprene	Extinguish® Fire Ant Bait	Wellmark International	field grown/IFA-free ¹	all including PR
Pyriproxyfen	Distance® Fire Ant Bait	Valent	field grown/IFA-free ¹	all including PR
Tefluthrin	no nursery labels currently available			

Most of the products listed are available to homeowners, many other products are available to pest management professionals. If you find a fire ant product in a Tennessee store and it is not listed here, please contact kvail@utk.edu with the information.

Originally published as E&PP Info Note # 775, 8/29/2012.

Precautionary Statement

To protect people and the environment, pesticides should be used safely. This is everyone's responsibility, especially the user. Read and follow label directions carefully before you buy, mix, apply, store or dispose of a pesticide. According to laws regulating pesticides, they must be used only as directed by the label and registered for use in your state.

Disclaimer

This publication contains pesticide recommendations that are subject to change at any time. The recommendations in this publication are provided only as a guide. It is always the pesticide applicator's responsibility, by law, to read and follow all current label directions for the specific pesticide being used. The label always takes precedence over the recommendations found in this publication. Use of trade or brand names in this publication is for clarity and information; it does not imply approval of the product to the exclusion of others that may be of similar, suitable composition, nor does it guarantee or warrant the standard of the product. The author(s), the University of Tennessee Institute of Agriculture and University of Tennessee Extension assume no liability resulting from the use of these recommendations.



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W 652(Rev) 06/20 20-0243

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