

## **2020 Fire Ant Products for Tennessee's Schools by Formulation, Active Ingredient, Application Method and Use Site**

Intended as a supplement to UT Extension publication,  
“PB 1788 Managing Fire Ants in and Around Schools”  
[extension.tennessee.edu/publications/Documents/PB1788.pdf](http://extension.tennessee.edu/publications/Documents/PB1788.pdf)

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One of the most efficient ways to manage fire ants on school grounds is to broadcast a fire ant bait. Treating individual mounds can be expensive and requires more time and effort to scout for all the mounds, and often the smaller mounds are overlooked. If baits are broadcasted twice a year, often other treatments are not needed. Please refer to PB 1788 for a full discussion of fire ant management around schools. In this publication you'll find a list of fire ant baits, the application methods (individual mound treatments or broadcast), and other use sites for which they are labeled. This information is also provided for granules, liquids and dusts should these be deemed necessary as suggested in PB 1788. In addition, products labeled for electrical equipment and utility housing are provided. The speed and mode of action of active ingredients in fire ant products found in the last table will help with the product selection process.

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## Bait Fire Ant Products Labeled for Schools

| Bait Active ingredient            | Trade Name                            | EPA Reg #       | Broadcast | Individual Mounds | Interior <sup>1</sup> |
|-----------------------------------|---------------------------------------|-----------------|-----------|-------------------|-----------------------|
| Abamectin                         | Award® II Fire Ant Bait               | 100-1452        | X         | X                 |                       |
| Abamectin B <sub>1</sub>          | Abathor Fire Ant Bait                 | 83923-7         | X         | X                 | X                     |
| Abamectin B <sub>1</sub>          | Ascend Fire Ant Granular Bait         | 499-370         | X         | X                 | X                     |
| Fipronil                          | Maxforce FC Fire Ant Bait             | 432-1433        | X         | X                 |                       |
| Hydramethylnon                    | Amdro Pro Fire Ant Bait               | 241-322         | X         | X                 |                       |
| Hydramethylnon                    | Probait Formulation For Professionals | 73342-1-2724    | X         | X                 |                       |
| Hydramethylnon + methoprene (IGR) | Extinguish Plus                       | 2724-496        | X         | X                 | X                     |
| Indoxacarb                        | Advion Fire Ant Bait                  | 100-1481        | X         | X                 |                       |
| Metaflumizone                     | Siesta Insecticide Fire Ant Bait      | 7969-232        | X         | X                 |                       |
| Methoprene (IGR)                  | Extinguish                            | 2724-475        | X         | X                 | X                     |
| Pyriproxyfen (IGR)                | Distance Fire Ant Bait                | 1021-1728-59639 | X         | X                 |                       |
| Spinosad                          | Ferti-lome Come and Get It            | 62719-329-7401  | X         | X                 |                       |

<sup>1</sup> Interior treatments should be applied as crack and crevice and only when children are not present unless the label states otherwise. Apply to cracks and crevices where insects may enter the building such as around doors, windows, pipes, vents, weep holes, under siding and in wall voids.

## Granular Fire Ant Products Labeled for Schools

| Granular Active Ingredient     | Trade Name                                    | EPA Reg #       | Broadcast | Individual Mounds | Perimeter |
|--------------------------------|---|-----------------|-----------|-------------------|-----------|
| Bifenthrin                     | Bifen L/P Insecticide Granules                | 53883-124       | X         | X                 | X         |
| Bifenthrin                     | Howard Johnsons PL Bifenthrin Granular        | 53883-124-32802 | X         | X                 | X         |
| Bifenthrin                     | Southern Ag Lawnstar Insecticide Granules     | 70506-73-829    | X         | X                 |           |
| Bifenthrin                     | Talstar PL                                    | 279-3168        | X         | X                 | X         |
| Bifenthrin                     | Wisdom EZ or Lawn Granular                    | 5481-521        | X         | X                 | X         |
| Deltamethrin                   | DeltaGard G Insecticide Granule               | 432-836         | X         | X                 |           |
| Fipronil                       | TopChoice Insecticide <sup>1</sup>            | 432-1217        | X         |                   |           |
| Hexa-Hydroxyl                  | EcoExempt G Granular Insecticide <sup>2</sup> |                 | X         | X                 | X         |
| Zeta-cypermethrin & Bifenthrin | Talstar XTRA                                  | 279-3343        | X         | X                 |           |

<sup>1</sup> Restricted use pesticide must be applied by a certified applicator.

<sup>2</sup> Exempt from EPA registration according to FIFRA 25B

## Liquid Fire Ant Products Labeled for Schools

| Liquid Active Ingredient | Trade Name  | EPA Reg #       | Broadcast | Individual Mounds | Interior <sup>1</sup> | Perimeter |
|--------------------------|---|-----------------|-----------|-------------------|-----------------------|-----------|
| Bifenthrin               | Bifen I/T   | 53883-118       | X         | X                 |                       |           |
| Bifenthrin               | Masterline Bifenthrin 7.9 Termiticide/Insecticide | 73748-7         | X         | X                 |                       |           |
| Bifenthrin               | Menace 7.9% Flowable                              | 228-451         | X         | X                 |                       | X         |
| Bifenthrin               | Talstar P   | 279-3206        | X         | X                 |                       |           |
| Bifenthrin               | Wisdom TC Flowable                                | 5481-520        | X         | X                 |                       |           |
| β-Cyfluthrin             | Tempo SC Ultra                                    | 432-1363        |           | X                 |                       | X         |
| Cyfluthrin               | Cy-Kick CS  | 499-304         |           |                   | X                     |           |
| Deltamethrin             | Suspend SC  | 432-763         |           | X                 | X                     | X         |
| Deltamethrin             | Suspend Polyzone                                  | 432-1514        |           | X                 |                       | X         |
| Dinotefuran              | Alpine Pressurized Insecticide                    | 499-531         |           |                   | X                     | X         |
| Gamma-Cyhalothrin        | Optimate CS                                       | 67760-104-53883 | X         | X                 |                       |           |
| Lambda-Cyhalothrin       | Cyzmic CS   | 53883-261       | X         | X                 |                       |           |
| Lambda-Cyhalothrin       | Demand CS   | 100-1066        | X         | X                 |                       |           |
| Lambda-Cyhalothrin       | Scimitar CS                                       | 100-1078        | X         | X                 |                       |           |
| Permethrin               | Astro Insecticide                                 | 279-3141        | X         | X                 |                       | X         |
| Permethrin               | Martin's Permethrin SFR Termiticide/Insecticide   | 70506-6-53883   |           | X                 |                       |           |
| Permethrin               | Permethrin CS                                     | 53883-282       |           | X                 | X                     | X         |
| Thiamethoxam             | Optigard Flex                                     | 100-1306        |           | X                 |                       |           |

<sup>1</sup> Interior treatments should be applied as crack and crevice and only when children are not present unless the label states otherwise. Apply to cracks and crevices where insects may enter the building such as around doors, windows, pipes, vents, weep holes, under siding and in wall voids.

## Dust Fire Ant Products Labeled for Schools

| Dust Active Ingredient           | Trade Name                              | EPA Reg #      | Individual Mounds | Interior <sup>1</sup> | Perimeter |
|----------------------------------|---|----------------|-------------------|-----------------------|-----------|
| Deltamethrin                     | DeltaDust Insecticide                   | 432-772        | X                 |                       |           |
| Cyfluthrin                       | Tempo 1 % Dust Insecticide RTU          | 432-1373       | X                 |                       |           |
| Pyrethrins, PBO, Silicon Dioxide | Bombs Away                              | 10088-93-1553  | X                 | X                     |           |
| Pyrethrins, PBO, Silicon Dioxide | Demise Fire Ant & Insect Dehydrator     | 10088-93-68562 | X                 | X                     |           |
| Pyrethrins, PBO, Silicon Dioxide | WildFire Fire Ant and Insect Dehydrator | 10088-93-11547 | X                 | X                     |           |
| Zeta-Cypermethrin                | Cynoff Dust Insecticide                 | 279-3259       |                   | X                     | X         |

<sup>1</sup> Interior treatments should be applied as crack and crevice and only when and where children are not present unless the label states otherwise. Apply to cracks and crevices where insects may enter the building such as around doors, windows, pipes, vents, weep holes, under siding and in wall voids.

## Fire Ant Products Labeled for Electrical Equipment and Utility Housings

| <b>Dust Active Ingredient</b>     | <b>Trade Name</b>                       | <b>EPA Reg #</b> | <b>Individual Mounds</b> | <b>Interior<sup>1</sup></b> | <b>Perimeter</b> | <b>Motor housings, switch boxes, junction boxes, conduits<sup>2</sup></b> | <b>Above ground transformers, in-ground utility boxes<sup>2</sup></b> | <b>Pad-mounted utilities<sup>2</sup></b> |
|-----------------------------------|---|------------------|--------------------------|-----------------------------|------------------|---|---|--|
| Pyrethrins, PBO, Silicon Dioxide  | Bombs Away                              | 10088-93-1553    | X                        | X                           |                  | X   |   |  |
| Pyrethrins, PBO, Silicon Dioxide  | Demise Fire Ant and Insect Dehydrator   | 10088-93-68562   | X                        | X                           |                  | X   |   |  |
| Pyrethrins, PBO, Silicon Dioxide  | WildFire Fire Ant and Insect Dehydrator | 10088-93-11547   | X                        | X                           |                  | X   |   |  |
| Zeta-Cypermethrin, PBO            | Cynoff Insecticide                      | 279-3259         |                          | X                           | X                | X   |   |  |
| <b>Bait Active Ingredient</b>     |   |                  |                          |                             |                  |   |   |  |
| Abamectin B1                      | Abathor Fire Ant Bait                   | 83923-7          | X                        | X                           | X                |   | X   |  |
| Abamectin B1                      | Ascend Fire Ant Granular Bait           | 499-370          | X                        | X                           | X                |   | X   |  |
| <b>Granular Active Ingredient</b> |   |                  |                          |                             |                  |   |   |  |
| Bifenthrin                        | Bifen L/P                               | 53883-124        | X                        |                             | X                |   |   | X  |
| Bifenthrin                        | Howard Johnson's Bifenthrin PL Granular | 53883-124-32802  | X                        |                             | X                |   |   | X  |
| Bifenthrin                        | Talstar PL                              | 279-3168         | X                        |                             | X                |   |   | X  |
| Bifenthrin                        | Wisdom EZ & Lawn Granular               | 5481-521         | X                        |                             | X                |   |   | X  |

<sup>1</sup> Interior treatments should be applied as crack and crevice and only when children are not present unless the label states otherwise. Apply to cracks and crevices where insects may enter the building such as around doors, windows, pipes, vents, weep holes, under siding and in wall voids.

<sup>2</sup> 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.

## Speed and Mode of Action of Active Ingredients in Fire Ant Products

| Common name of active ingredients                 | Signal Word <sup>1</sup> | Speed of control   | Mode of action or how it works                                    |
|---|--------------------------|--------------------|---|
| (S)-methoprene                                    | Caution                  | 3 to 6 months bait | stops production of new fire ants (igr)                           |
| (S)-methoprene, hydramethylnon                    | Caution                  | 2 to 4 weeks       | mix of two types of baits (see (S)-methoprene and hydramethylnon) |
| abamectin B1                                      | Caution                  | 2 to 8 weeks bait  | kills workers as well as queens                                   |
| acephate  | Caution                  | 1 to 2 days        | contact insecticide   |
| beta-cyfluthrin                                   | Caution                  | 1 to 2 days        | contact insecticide   |
| bifenthrin  | Caution                  | 1 to 2 days        | contact insecticide   |
| carbaryl  | Caution                  | 1 to 2 days        | contact insecticide   |
| cypermethrin                                      | Caution to Warning       | 1 to 2 days        | contact insecticide   |
| D-limonene  | Caution                  | 1 to 2 days        | contact insecticide   |
| deltamethrin                                      | Caution                  | 1 to 2 days        | contact insecticide   |
| fipronil  | Caution                  | 3 to 4 weeks       | slow-acting insecticide   |
| gamma-cyhalothrin                                 | Caution                  | 1 to 2 days        | contact insecticide   |
| hexa-hydroxyl (clove oil, thyme oil) <sup>2</sup> |                          | 1 to 2 days        | contact insecticide   |
| hydramethylnon                                    | Caution                  | 2 to 6 weeks       | bait kills workers as well as queens                              |
| indoxacarb  | Caution                  | 3 to 7 days        | bait kills workers as well as queens                              |
| lambda-cyhalothrin                                | Caution                  | 1 to 2 days        | contact insecticide   |
| permethrin  | Caution                  | 1 to 2 days        | contact insecticide   |
| 2 phenylethyl propionate <sup>2</sup>             |                          | 1 to 2 days        | contact insecticide   |
| pyrethrins  | Caution                  | 1 to 2 days        | contact insecticide   |
| pyriproxyfen                                      | Caution                  | 2 to 6 months      | stops production of new fire ants (igr)                           |
| spinosad  | Caution                  | 2 to 4 weeks       | bait kills workers as well as queens                              |
| thiamethoxam                                      | Caution                  | 3 to 7 days        | contact insecticide   |
| thyme oil <sup>2</sup>                            |                          | 1 to 2 days        | contact insecticide   |

<sup>1</sup> Signal Words describe the acute (short-term) toxicity of the formulated pesticide product and are based on the results of six acute toxicity studies. The acute oral, dermal and inhalation studies evaluate systemic toxicity by those routes of entry. The primary eye and skin irritation studies measure irritation or corrosion, while the dermal sensitization study evaluates the potential for allergic contact dermatitis. See the following link for more information: [edis.ifas.ufl.edu/PI137](http://edis.ifas.ufl.edu/PI137)

The Signal Word is determined by the most severe toxicity category assigned to the acute toxicity studies with some exceptions. The Signal Words and associated toxicity categories are as follows: Toxicity Category I (most toxic) = DANGER/POISON Skull and Crossbones; Toxicity Category II (moderately toxic) = WARNING; Toxicity Category III (less toxic) = CAUTION; Toxicity Category IV (least toxic) = No Signal Word required.

Modified from previous Extension publications.

<sup>2</sup> Exempt from EPA registration according to FIFRA 25B, no Signal Word required.

**If you find a fire ant product in a Tennessee store and it is labeled for schools, but not listed here, please contact [kvail@utk.edu](mailto:kvail@utk.edu) with the product information.**

### **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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