

The Latest Broadcast on Fire Ant Control Products

Dr. Paul R Nester, Extension Program Specialist - IPM - Houston Metro Area

For more information see our web site, <http://fireant.tamu.edu/controlmethods/index.php> - Updated 3/12/13

Fire Ant Bait Products

(broadcast applications unless specified as single mound only)

Fire ant baits for both agricultural land (*grazed, hayed, cropped, orchards, gardens, etc.*) and urban areas

Read label thoroughly for specific uses.

- Amdro Pro (0.73% hydramethylnon) - May be applied to grass forage (pasture and rangeland) for the control of fire ants in some southern states. Do not cut and bale hay from pastures and rangeland until 7 days after the bait application is made. Full effect of the product on the ants takes about 3-6 weeks.
- Altrevin (0.063% metaflumizone) - Only for use in citrus orchards, tree nut orchards and grape vineyards, in nonbearing stone and pome fruit orchards and in nurseries containing nonbearing container or field grown stone and pome fruit tree stock. Speed of control 1-2 weeks.
- Clinch (0.011% abamectin) - Speed of control similar to Amdro Pro, but label is more restrictive than Amdro Pro. Controls fire ants in citrus, almonds, walnuts, potatoes, around barns and equipment, and chicken houses. Do not use in pastures or rangeland grazed by cattle, sheep, or other domestic animals (including horses), or around chicken houses where birds are allowed outdoor range.
- Esteem (0.5% pyriproxyfen) - Esteem can be used in hay pastures or with livestock used for food or feed production. Esteem may also be used in select vegetables, and tree or vine fruits, but refer to the label for specifics. Relatively slow, 1-3 months applied in spring, 3-6 months in fall.
- Esteem "Skip Swath" - In Texas only, can be applied as "skip swath" using suitable ground equipment such as a Herd GT-77 model seeder (http://www.kascomfg.com/kasco_seeders_g77_atv.html) to apply full rate (2.0 lb product/acre) to every other swath, thereby applying 1.0 lb/acre.
- Esteem + Amdro Pro Hopper Blend¹ - In Texas only, mix 0.75 lb of each individually available product (50:50 hopper blend) applied at 1.5 lbs/acre total. Gives speed of control of Amdro Pro and the duration of control of Esteem at no extra cost. Similar restrictions for grass forage as Amdro Pro. For discussion on hopper blends see footnote below.
- Extinguish (0.5% methoprene) - Labeled for use almost anywhere. The active ingredient (methoprene) is very slow to work; usually 1-3 months if applied in the spring and, 3-6 months if applied in the fall. Full effect of the product varies with reinvasion pressure; one application per year is usually sufficient.
- Extinguish + Amdro Pro Hopper Blend¹ - mix 0.75 lb of each individually available product (50:50 hopper blend) applied at 1.5 lbs/acre total. Gives speed of control of Amdro Pro and the duration of control of Extinguish at no extra cost. Similar restrictions for grass forage as Amdro Pro. For a discussion on hopper blends please see footnote below.
- Extinguish Plus (0.25% s-methoprene + 0.36% hydramethylnon) - the same ingredients as used in the hopper blend of Amdro Pro + Extinguish but sold as a single product. Extinguish Plus may be applied to grass forage (pastures and rangeland) for the control of fire ants in some southern states. Do not cut and bale hay from pastures and rangeland until 7 days after the bait application is made. Label more limited than Extinguish.

Fire ant baits for only urban areas or non-food producing lands *Read label thoroughly for specific uses.*

- Advion (0.045% indoxacarb) - Labeled for use on lawns, recreational areas, golf courses and other noncrop/nongrazed areas. 90% or better control in 3-7 days with foraging suppression in 12-48 hours. Available only at specialty products stores.
- Amdro (0.73% hydramethylnon) - labeled for use in urban as well as non-crop areas. Not to be confused with Amdro Pro. May be used in corrals and other animal holding areas, NOT for use in hay pastures or where livestock used for food or feed production is grazed. Refer to label for specifics. Full effect of the product on the ants takes 3-6 weeks.
- Amdro Yard Treatment Fire Strike (0.036% hydramethylnon + 0.0172% s-methoprene) - the same ingredients as Extinguish Plus, but lower concentration, in a single package formulated for homeowner that can be applied through a regular fertilizer spreader at 5 lb per 5,000 – 10,000 sq ft. May be used in corrals and other animal holding areas, NOT for use in hay pastures or where livestock used for food or feed production is grazed. Refer to label for specifics.
- Amdro Fire Strike Mound Treatment (0.36% hydramethylnon + 0.25% s-methoprene) - the same ingredients as Extinguish Plus in a single package for homeowner for application to individual mounds at 2-5 level tablespoons/mound. Not to exceed 2 lb/acre. May be used in corrals and other animal holding areas, NOT for use in hay pastures or where livestock used for food or feed production is grazed. Refer to label for specifics.
- Ascend (0.011% abamectin) - Outdoors - use on Turf, Lawns, and Other Non-Crop Areas such as Parks and Golf Courses. Indoors – use in homes and the non-food/feed areas of commercial buildings, warehouses, hotels, food Storage Areas, inedible product areas of meat packing plants, motels, schools, supermarkets and the non-patient areas of hospitals and nursing homes. Hard to find. Available only at specialty products stores.

Award II (0.011% abamectin) - The active ingredient, abamectin, is a slow-acting stomach insecticide. Labeled for use in landscapes (including lawns) of residential, commercial, industrial and public buildings; schools, recreational areas and parks, athletic fields, playgrounds and churches (almond, citrus and walnut trees may be present in landscapes). Use in commercial nursery production of field and container-grown ornamentals and non-bearing trees. NOT for use in hay pastures or where livestock used for food or feed production is grazed.

Distance (0.5% pyriproxyfen) - Distance may be used on turf in residential/domestic sites, institutional sites, uncultivated non-agricultural areas, or on indoor and outdoor container or field grown ornamentals in commercial nurseries. Refer to the label for specifics. Relatively slow, 1-3 months applied in spring, 3-6 months in fall.

MaxForce FC (0.00015% fipronil) - Labeled for use in most urban areas. Speed of control similar to Amdro, but label is more restrictive than Amdro. Available only at specialty products stores.

Optigard (0.011% abamectin) - labeled for use on turf, lawns and landscapes, and other non-crop areas. Hard to find. Available only at specialty products stores.

Probait (0.73% hydramethylnon) - labeled for use in urban as well as non-crop areas. May be used in corrals and other animal holding areas, NOT for use in hay pastures or where livestock used for food or feed production is grazed. Refer to label for specifics. Works in 3-6 weeks. Available only at specialty products stores.

Probait + Extinguish Hopper Blend¹ - mix 0.75 lb of each individually available product (50:50 hopper blend) applied at 1.5 lbs/acre total. Gives speed of control of Probait and the duration of control of Extinguish at no extra cost. Can be used in urban as well as non-crop areas. May be used in corrals and other animal holding areas, NOT for use in hay pastures or where livestock used for food or feed production is grazed. Refer to label for specifics. Full effect of the product on the ants takes 3-6 weeks. For discussion on hopper blends see footnote below.

Spinosad bait products (also called Conserve, 0.015% spinosad) - Fertilome Come and Get It and Southern Ag Payback Fire Ant Bait may be applied in lawns and other turfgrass or recreational areas, including golf courses, parks, playgrounds, and playing fields, ornamentals growing outdoors, tree fruits, citrus, stone fruit, tree fruit. Application to vegetables and single mound treatments in rangeland and permanent pastures are allowed with Fertilome product. Additional applications may be required.

¹ For a discussion on hopper blends please see the Texas A&M AgriLife Extension Service Publication B-6099, Broadcast Baits for Fire Ant Control (<http://agrillifebookstore.org>)

Contact Insecticides – short list² *Always read label thoroughly before using*

D-limonene containing products (various) - D-limonene is an extract of citrus peels that has contact activity on certain insect pests, including fire ants. Can be found in several mound drench products (e.g., Orange Guard Fire Ant Control, Safer® Brand Fire Ant Killer). Organic formulations will be OMRI certified.

Organophosphates (acephate) - These products interfere with nerve cell transmission (cholinesterase inhibitor). They are relatively quick-killing and are formulated as aerosols, liquids, dusts (Ortho® Orthene® Fire Ant Killer or Surrender Fire Ant Killer) or granules. They can be applied as mound treatments or surface treatment. Follow label directions.

Pyrethrins + Diatomaceous Earth products (various) - Pyrethrins (0.2% African Daisy extract), Diatomaceous Earth (82.9% silicon dioxide), Piperonyl Butoxide (1.0% synthetic sassafras oil). Usually a powder that can be applied dry or wetted. This type of product is available from Diatect (Results Fire Ant Killer) or Organic Solutions (Multipurpose Insecticide).

Pyrethroids (Over 'n Out Granules, Ortho Max, Bayer Lawn and Garden, DeltaGard, Talstar, Demond CS, Cyonara L/P etc. and other's) - Use as directed to suppress foragers, but may not kill colony. Multiple applications may be necessary. Uses lots of insecticide and populations of other beneficial insects may be affected as opposed to the long residual fipronil granule product (TopChoice or Taurus G) which are applied at sub-lethal rates and effects on other insects are minimal.

Sevin XLR Plus (47% carbaryl) - For pasture fire ant mound drench, 1.5 quarts/100 gal.

Spinosad (0.5% liquid) - considered all natural or “organic.” Has a fire ant mound drench statement on label. Available from The Scotts Company, Fertlome or Bonide (Captain Jack’s Dead Bug). Scott’s Green Light® Lawn & Garden Spray is OMRI® listed meaning it is approved for use in organic gardens. Spinosad is a biopesticide produced through commercial culture of a soil-born microbe that produces metabolites toxic to certain insects. These metabolites are harvested and formulated as an insecticide, so the final product contains no living microbes.

Topchoice® Insecticide or Taurus™ G insecticide granules (0.0143% fipronil) - These are not baits but act as fast as Amdro fire ant bait, but VERY long true residual activity. May observe good control for a year, particularly on clay soils. Expensive (\$300-\$450/43,560 square feet or 1 acre for 1 application) when compared to the use of fire ant baits (\$10-\$25/43,560 square feet or 1 acre for one application of fire ant bait, 2 applications of bait per year are recommended). Use in high traffic areas or where long term control is needed. No agricultural uses. The Topchoice or Taurus G product are restricted pesticides and not available through usual retail outlets.

² See also: http://www.extension.org/pages/Fire_Ant_Insecticides_for_use_in_Urban_Areas or ANR-0175 at www.aces.edu