



Recognizing Green Category Pesticides for Use in Texas Schools

Michael Merchant, Ph.D and Janet Hurley, MPA
Southwest Technical Resource Center for Schools and Childcare Facilities
Texas A&M AgriLife Extension, Dallas, Texas

In 1991, the Texas Legislature amended the Structural Pest Control Act (SPCA) to require public school districts to have an Integrated Pest Management (IPM) program. Since 1995, all public school districts in Texas must have a written pest management policy, designate and train a district IPM Coordinator, and ensure that all pesticide applications be made only by licensed applicators. The IPM Coordinator is required to keep detailed records of all pesticide applications and to ensure that the district, or its designated pest control provider, uses the least hazardous methods to control pests. In 2007, the Legislature updated the laws defining regulatory guidelines more definitively for IPM in schools.

According to Texas school pesticide regulations, all pesticides are classified as either Green, Yellow or Red category products. **Green category products** are those pesticides which are considered to carry the least potential hazard to people and the environment. Red category pesticides carry EPA signal words (WARNING and DANGER) which indicate the highest potential risks to applicators or the environment.

Although Texas school's may use any pesticide, they deem necessary to manage a pest problem, Texas Department of Agriculture regulations require that when a Yellow or Red category pesticide is used, written justification and approval must first be recorded and kept on file for at least two years. Also, certain Green category products may have less restrictive reentry requirements than other pesticides. These requirements are designed to encourage schools to use least hazardous materials necessary to effectively do the job.

It is important that IPM Coordinators and all pesticide applicators working on school district property in **Texas** be able to identify Green category products. According to Title 4, Part 1, Chapter 7, Subchapter H, Division 7, Section §7.204 of the Texas Structural Pest Control Regulations, Green Category products must be from at least one of the following categories:

- boric acid; disodium octoborate tetrahydrate or related boron compounds
- silica gel; diatomaceous earth
- belongs to the class of pesticides that are insect growth regulators (IGR)
- microbe-based insecticides
- botanical insecticides containing no more than 5% synergist (and does not include synthetic pyrethroids)
- biological (living) control agents
- pesticidal soaps; natural or synthetic horticultural oils
- insect and rodent baits in tamper-resistant containers, or for crack-and-crevice use only

Identifying Green Category Products

Distinguishing Green products is not always easy. There is **no packaging designation** to show which pesticides are **Green under Texas law**. Even pesticide distributors and sales personnel are often unfamiliar with which products fall under Texas Green Category designation.

For this reason we have developed the following (unofficial) list of common pesticides that fall into the Green category. The listing here does not include all Green products, but is intended as a guide to the most commonly used active ingredients, and some current trade names associated with these active ingredients. **Trade names change frequently. For this reason, schools and pest management professionals should focus on learning the qualifying criteria for Green Category products, rather than depending on a listing of trade names.**

List of Common Green Category Products

Type of Pesticide	Qualifying active ingredient	Product Name(s)
Low-toxicity inorganics		
I	Boric acid (Orthoboric acid)	Borid [®] , Mopup [®] , Advance [™] Liquid Ant Bait, Drax [®] Liquidator [™] Ant Bait, Drax [®] Ant Kil Gel, Drax [®] Roach Assault PGF, Nibor-D [®] , Roach-Prufe [®] , Eaton's Answer [®] Boric Acid Insecticidal Dust, InTice [™] roach bait, InTice [™] 10 Perimeter Bait [™] , Niban FG, BorActin [™] insecticide powder, Provaunt [®] , Pro-Joe [®] ant bait, Magnetic Roach Bait [™] , Niban [®] Granular Bait, Uncle Albert's Ant Gel,
I, F	disodium octoborate tetrahydrate	Timbor [™] , Bora-Care [™] , NiBor-D [™] , Uncle Albert's Ant Bait, Ant Café, Gourmet Ant Bait Gel, Dominant 1% [™] , Boracide [®] , MopUp [®] ,
I	diatomaceous earth	Organic Solutions, Pyatomaceous Insecticide Dust, MotherEarth D Pest Control Dust, Eaton's KOI System, Concern [®]
I	silica aerogel	CimeXa [™] Insecticide Dust, PT [®] Tri-Die [®]
I	sodium tetraborate decahydrate (Borax)	Terro [™] PCO Liquid ant bait, InTice [™] Gelanimo [™] Ant Bait, InTice [™] Thiquid [™] ant bait, InTice [™] Rover Ant Bait,
I	pentahydrate Borax	Boracide [™] borate powder
Insect Growth Regulators		
I	Cyromazine	Citation [®]
I	Fenoxycarb	Logic [®] and Award [®] Fire Ant Baits, Precision [™]
I	Halofenozide	Mach-2 [™] Granular Turf Insecticide
I	Hydroprene	Gentrol [®] IGR Concentrate, Gentrol [®] Point Source, Gentrol [®] Aerosol
I	Methoprene	Precor [®] IGR Concentrate, Altosid [®] Mosquito Briquets, Meteor [®] IGR Concentrate, Pharorid [®] Ant Growth Regulator, Extinguish Fire Ant Bait
I	Pyriproxifen	Distance [®] Fire Ant Bait, Nylar [®] , Nyguard [®] , Archer [®] , Pivot [®]
	Pyriproxifen, Abamectin	Vendetta [™] PLUS Cockroach Gel Bait
I	Pyriproxifen, Novaluron	Tekko Pro [™]
I	Tebufenozide	Confirm [®]
Baits – Must be in a Tamper Resistant container or crack & crevice placement		
I	ivermectin	PT [®] Avert [®] Cockroach Bait Stations, Advance 360A Dual Choice Ant Bait Stations
I	fipronil	Maxforce [®] FC Roach Killer Bait Gel, Maxforce [®] FC Ant and Roach Bait Stations, Maxforce [®] Carpenter Ant Bait Gel
I	hexaflumeron, noviflumeron	Hexpro [®] , Recruit [®] Termite Bait, Sentricon [®] AG III
I	hydramethylnon	Amdro [®] Pro Fire Ant Bait, Siege [®] Pro Fire Ant Bait, Siege [®] Gel Insecticide, Eclipse [®] Professional Insect Bait, ProBait [™] Professional Fire Ant Bait, Maxforce [®] Granular Insect Bait
I	imidacloprid	Pre-Empt [™] Professional Cockroach Gel Bait, MaxForce [®] Quantum ant bait, InVict [™] Gold Cockroach Gel, InVict [™] Xpress [™] Granular Bait, InVict [™] Blitz [™] Ant Bait

Type of Pesticide	Qualifying active ingredient	Product Name(s)
Baits – Continued		
I	indoxacarb	Advion® cockroach gel bait, Advion® cockroach bait arena, Advion® ant gel bait, Advion® ant bait arena
I	acetamiprid	Transport™ roach bait
I	dinotefuran	Advance Cockroach gel bait
I	sulfluramid	Firstline™ Termite Bait Stations, Raid® Ant and Roach Controller II, Advance® Dual-Choice™ Ant Bait Stations, FluorGuard™ Ant Control Baits
I	thiamethoxam	Optigard Ant Gel Bait
I	Clothianidin	MaxForce® Impact roach gel bait,
R	brodifacoum	Final Blox, WeatherBlock XT, Talon® G, Talon® UltraBlok
R	bromadiolone	Contraç® All-Weather Blocks, Maki® Paraffin Blocks, Just One Bite® Rat & Mouse Bait
R	bromethalin	Top Gun™ All-Weather Bait Block, Fastrac™ Blox
R	chlorophacinone	Rozol® Paraffin Blocks
R	difethialone	Generation® Mini-blocks
R	diphacinone	Ditrac® Blox, Liqua-Tox®, JT Eaton® Bait Block Rodenticide
Microbe-based		
I	avermectin-B, abamectin	PT® Avert®, PT® Ascend™, Advance 375A Select Granular Ant Bait, Advance Granular Ant Bait, Advance Granular Carpenter Ant Bait, Avid Insecticide, Vendetta Cockroach Gel Bait, Optigard Fire Ant Bait, InVict™ AB Insect Paste,
I	<i>Bacillus sphaericus</i>	VectoLex®
I	<i>Bacillus thuringiensis</i>	Dipel®, Bactimos® Briquets, Gnatrol®, Aquaboc®, Mosuito Dunks®, Teknar®, Summit® B.T.I. Briquets
I, B	<i>Beauveria bassiana</i>	Naturalis® -O
I	Microbial-based drain cleaners	DrainGel®, InVade Bio Foam®
I	spinosad	Conserve™ SC, Eliminator®
Botanicals		
I	2-Phenethyl Propionate	EcoPCO® ACU – Unscented Contact Aerosol Insecticide
I	2-Phenethyl Propionate + Eugenol (Clove Oil)	Eco PCO® AC, EcoExempt® Jet Wasp and Hornet Spray
I	2-Phenethyl Propionate + pyrethrins	EcoPCO® D•X – Dust Insecticide, EcoPCO® AR•X – Multi-Purpose Residual Aerosol Insecticide
I	2-Phenethyl Propionate + pyrethrins, thyme oil	EcoPCO® WPX
I	2-Phenethyl Propionate + Rosemary	EcoExempt JET
I	2-Phenethyl Propionate + Rosemary Oil, Peppermint Oil, Wintergreen Oil	Essentria Broadcast
I	2-Phenethyl Propionate + Rosemary Oil Thyme Oil	EcoVia™ EC
I	2-Phenethyl Propionate + Thyme Oil	EcoVia™ WD

Type of Pesticide	Qualifying active ingredient	Product Name(s)
Botanicals – Continued		
I, F	Azadirachtin	Azatin [®] , Neemix [™] , Triact [™]
H	Citric Acid, Clove Leaf Oil, Cinnamon Oil	Weed-A-Tak Organic Herbicide
I, H	d-limonene	Demize, ProCitra-DL, MotherEarth Wasp & Hornet Jet Spray, Organic Weed & Grass Killer
I	Eugenol (Clove Oil), cinnamon oil, cedar oil	Snake Out Snake Repellent, RO-PEL Snake Repellent, Bonide [®] Snake Stopper snake repellent
H	Eugenol (Clove Oil), Citric Acid, Cinnamon Oil	Weed-A-Tak Organic Herbicide
I	Eugenol (Clove Oil), Thyme Oil, Wintergreen Oil	Essentria G (granular)
I	Geraniol	ProVerde [™] Wasp and Hornet Killer
I	Geraniol, Cedar Oil, Sodium Lauryl Sulphate	EcoRaider [®]
I	Geraniol, Cinnamon Oil	ProVerde [™] Broad Spectrum Insect Killer
I	Lemongrass Oil, Geraniol	EcoVia [™] WD
I	Pyrethrins (pyrethrum)	CB-38 Extra [™] , PT [®] Inspector [®] , PT [®] Microcare [®] , MotherEarth 2% Py Contact Insecticide, P.I. Contact Insecticide
I	Rosemary, Geraniol, Peppermint Oil	Essentria IC ³ ,
I	Rosemary, Peppermint Oil	Essentria All Purpose, EcoExempt IC2
I	Thyme	ProVerde [™] Dust Insecticide
I	Thyme Oil, Lemongrass, Citronella, Sodium Lauryl Sulphate	Nature's Element Web Out [®] ,
Biological insecticides		
I, B	Entomopathogenic nematodes (<i>Steinernema</i>)	Biovector [®] , Millenium [®] biological, Nematac [®]
Pesticidal soap and natural and synthetic horticultural oils		
I	<i>Potassium salts of fatty acids</i>	Safer's Insecticidal Soap, Garden Safe [®] Insecticidal Soap insect killer
I	<i>Petroleum oil- foliar spray</i>	PureSpray Green Organic Horticultural Spray Oil
I, F	<i>Highly refined paraffinic oil</i>	Ultra-Fine Oil All Season Horticultural Insecticide/Miticide/Fungicide

For More Information

For more information about integrated pest management and how it can be accomplished in schools and childcare facilities, visit the AgriLife Extension website at <http://schoolipm.tamu.edu> or call the toll-free hotline at 877-747-6872.

This is **not an official publication** by the Texas Department of Agriculture. If in doubt about what constitutes a Green Category product, where and when they may be used, and how to gain approval for Yellow and Red List products in schools, contact the Texas Department of Agriculture, P.O. Box 12847, Austin, Texas 78711-2847 or call (888) 232-2567 or visit their website at <http://www.texasagriculture.gov/spcs>

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