

Stored Grain Insecticides Registered for use in New York State

Products currently registered as of 9/4/2015.

Compiled by Mike Helms, Extension Support Specialist, Pesticide Management Education Program, Cornell University, Ithaca, NY

Active Ingredient	Trade Name	EPA Reg. No.	Restricted-use Pesticide in NY?	Labeled Use							Pests Listed/Comments
				Empty Bin Treatment	Corn	Barley	Oats	Rye	Soy-bean	Wheat	
aluminum phosphide (phosphine gas)	Weevil-Cide Pellets	70506-14	Yes		X	X	X	X	X	X	Several weevils, beetles, and moths listed; see label.
	Degesh Phostoxin Pellets	72959-5	Yes		X	X	X	X	X	X	Several weevils, beetles, and moths listed; see label.
	Detiaphos Pellets	72959-5	Yes		X	X	X	X	X	X	Several weevils, beetles, and moths listed; see label.
	Weevil-Cide Tablets	70506-13	Yes		X	X	X	X	X	X	Several weevils, beetles, and moths listed; see label.
	Degesh Phostoxin 60% Tablets	72959-4	Yes		X	X	X	X	X	X	Several weevils, beetles, and moths listed; see label.
	Detiaphos Pellets	72959-4	Yes		X	X	X	X	X	X	Several weevils, beetles, and moths listed; see label.
	Degesh Phostoxin Tablet Prepac	72959-9	Yes		X	X	X	X	X	X	Several weevils, beetles, and moths listed; see label.
<i>Bacillus thuringiensis</i>	Biobit HP	73049-54	No		X	X	X	X	X	X	Indian meal moth, almond moth
	Dipel DF	73049-39	No		X	X	X	X	X	X	Indian meal moth, almond moth
	Javelin WG	70051-66	No		X	X	X	X	X	X	Indian meal moth, almond moth
beta-cyfluthrin	Tempo SC Ultra	432-1363	Yes	X							Several beetles and moths listed; see label.
diatomaceous earth (silicon dioxide)	Dryacide 100	69261-3-1381	No	X	X	X	X	X	X	X	For any stored grain insect.
	Desect Diatomaceous Earth Insecticide	7655-1	No	X	X	X	X	X	X	X	See label for list of pests controlled.
	Diatomaceous Earth Crawling Insect Killer	73729-1-4	No		X	X	X	X	X	X	For any crawling stored grain insect.
dichlorvos	Prozap Insect Guard	5481-533-47000	No		X	X	X	X	X	X	Use against any stored insect pest. See label for specific use instructions.
	AMVAC Insect Shield	5481-344	No		X	X	X	X	X	X	Use against any stored insect pest. See label for specific use instructions.
	AMVAC Insect Shield Max	5481-532	No		X	X	X	X	X	X	For any stored insect pest. Note specific use directions on label.

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				Empty Bin Treatment	Corn	Barley	Oats	Rye	Soy-bean Wheat	
deltamethrin	Suspend SC	432-763	Yes	X		X				See label for list of pests.
	Centynal Insecticide	53883-276-2724	No	X	X	X	X	X	X	
	D-fence SC	53883-276	No	X	X	X	X	X	X	
deltamethrin + chlorpyrifos-methyl	Storcide II	264-992	No	X		X	X		X	Several pests noted. Also note use restrictions and equipment requirements when treating empty bin.
malathion	Malathion 5	9779-5	No	X						Only for use on storages being prepared to store wheat, oats, corn, rye, and barley. Several pests listed on label.
	Malathion 5 EC	66330-220	No	X						Only for use on storages being prepared to store corn, barley, oats, rye, and wheat.
	Malathion 57 EC	34704-108	No	X						Only for use on storages being prepared to store wheat, corn, oat, rye, and barley. Several pests listed on the label.
	Cheminova Malathion 57%	67760-40	No	X						
	Malathion 57%	67760-40-53883	No	X						
phosphine + carbon dioxide gas	Eco ₂ fume Fumigant Gas	68387-7	Yes		X	X	X	X	X	Several beetles, moths, and weevils listed on the label.
pirimiphos-methyl	Actellic 5 EC	1381-170	No		X					See label for specific beetles, weevil, and moths controlled.
piperonyl butoxide	PBO-8 Synergist	89459-33	No		X	X	X	X	X	

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				Empty Bin Treatment	Corn	Barley	Oats	Rye	Soy-bean	Wheat	
pyrethrins + piperonyl butoxide	Pyronyl Crop Spray	655-489	Yes	X	X	X	X	X	X ¹	X	Use against all insects. Can be used as a surface treatment of stored grain to control Indian meal moths, Angournois grain moths, and Mediterranean flour moths. ¹ Label refers to beans as a crop.
	Pyrenone Crop Spray	432-1033	No	X	X	X	X	X	X ²	X	Use against all insects. Can be used as a surface treatment of stored grain to control Indian meal moths, Angournois grain moths, and Mediterranean flour moths. ² Label refers to beans as a crop.
	Prescription Treatment Brand Pyreth-It Formula 2	499-475	Yes		X	X	X	X		X	See label for specific use instructions.
	Proxap DyFly Aerosol Insecticide	47000-69	No	X	X	X	X	X		X	See label for specific pests controlled and use instructions.
	Stryker Insecticide Concentrate	53883-308	Yes	X	X	X	X	X		X	See label for specific pest list.
	Pyronyl Crop Spray	89459-26	No	X	X	X	X	X		X	See label for specific pest list.
	Zeposector –SII	1021-2670-1270	No	X							See label for specific insects controlled.
pyrethrins	Evergreen Pyrethrum Concentrate	1021-2560	No	X	X	X	X	X	X ³	X	Several insect pests listed on label. Can be used as a surface treatment of stored grain to control Indian meal moths, Angournois grain moths, and Mediterranean flour moths. ³ Label refers to beans as a crop.
	Evergreen Pyrethrum Dust	1021-1871	No	X							
pyriproxyfen	Nyguard IGR Concentrate	1021-1603	Yes	X							Various moths and beetles.

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(S)-methoprene	Diacon IGR	2724-427	No	X	X	X	X	X	X	X	Various moths and beetles. Used to prevent larvae development into adults.
	Diacon-D IGR	2724-788	No	X	X	X	X	X	X	X	Various moths and beetles. Used to prevent larvae development into adults.
spinosad	Contain Liquid Stored Grain Insecticide	264-995	No		X	X	X			X	For all insect pests.
	Sensat	264-995	No		X	X	X			X	For all insect pests.
sulfuryl fluoride	Profume	62719-376	Yes		X	X	X			X	All insect pests.