

# Darkling beetle insecticide chart

Product	Active ingredient	Insecticide class	Rate	Application method
Agita™ 10 WG	Thiamethoxam	Neonicotinoid	17 oz/gallon	Apply 2 oz of solution as a spot treatment underneath individual feed pans
Alpine® WSG	Dinotefuran		10–20 g/1,000 ft <sup>2</sup>	
Credo® SC	Imidacloprid		3 oz/1,000 ft <sup>2</sup>	
Darlex®	Clothianidin		4 oz/1,000 ft <sup>2</sup>	
Dominion® 4L	Imidacloprid		3 oz/1,000 ft <sup>2</sup>	
Beetle Shield® 6	Tetrachlorvinfos	Organophosphate	1.5–4 oz/100 ft <sup>2</sup>	Apply as a full-floor treatment or in 3' bands underneath feed lines and against side walls
Ravap™ EC	Tetrachlorvinfos; Dichlorvos		5–10 oz/1,000 ft <sup>2</sup>	
Bifen I/T	Bifenthrin	Pyrethroid	0.33–1 oz/1,000 ft <sup>2</sup>	Apply as a full-floor treatment
Cyzmic™ CS	Lambda-Cyhalothrin		0.8 oz/1,000 ft <sup>2</sup>	
Optashield® CS	Cyfluthrin		1–2 oz/1,000 ft <sup>2</sup>	
Optimate® CS	Gamma-Cyhalothrin		0.65 oz/1,000 ft <sup>2</sup>	
PermaCap CS™	Permethrin		2.67–5.33 oz/1,000 ft <sup>2</sup>	
Permethrin CS			2.67–5.33 oz/1,000 ft <sup>2</sup>	
Permethrin SFR			0.32 oz/1,000 ft <sup>2</sup>	
Tempo® 1% dust insecticide	Cyfluthrin		0.5–1 lb/1,000 ft <sup>2</sup>	
Tempo® SC Ultra			8–16 ml/1,000 ft <sup>2</sup>	
Tempo® Ultra WP			10–20 g/1,000 ft <sup>2</sup>	
Tobex™	Lambda-cyhalothrin, Prallethrin, Pyriproxyfen, PBO	Pyrethroids, IGR, PBO	2–4 oz/1,000 ft <sup>2</sup>	Apply 4 oz/1000 ft <sup>2</sup> underneath feed lines and side walls.
Zetagard™ LBT	Zetacypermethrin	Pyrethroid	25–50 lbs/20,000 ft <sup>2</sup>	Apply in 3' bands underneath feed lines and against side walls
Onslaught® FastCap	Esfenvalerate; Prallethrin, PBO	Pyrethroids, PBO	1 oz/1,000 ft <sup>2</sup>	Apply as a full-floor treatment
Elector® PSP	Spinosad	Spinosyn	0.4–0.8 oz/1,000 ft <sup>2</sup>	
Boric acid	Boric Acid	Borates	2 lbs/100 ft <sup>2</sup>	Apply in 2' bands underneath feed lines and against side walls
TEKKO™ 10	Novaluron	IGR Chitin Synthesis Inhibitor	1.5–3.0 oz/1,000 ft <sup>2</sup>	Apply as a full-floor treatment
NyGuard®	Pyriproxyfen	IGR Juvenile Hormone Analog	2.67–8 ml/1,000 ft <sup>2</sup>	

Prior to using any product mentioned in this article, carefully read and follow all available instructions, warnings, and safety information made available by the product's manufacturer.