

Exirel[®] Insect Control

Powered by Cyazapyr[®] active



BLUEBERRIES

Maximize the potential of your blueberry crop.

Exirel[®] insect control powered by Cyazapyr[®] active, is a cross-spectrum product that provides a high level of insect protection from start to finish. Through its unique mode of action, Exirel insect control helps blueberry growers manage troublesome pests such as spotted wing drosophila for a more profitable crop at harvest.

Exirel insect control Label

- Technical trade name – Cyazapyr active.
- Active Ingredient – Cyantraniliprole.
- Chemistry Class – IRAC Group 28, anthranilic diamide.
- Formulation – 0.83 lb. ai/gal. SE (suspoemulsion).
- Signal Word – Caution.
- REI – 12 hours.
- PHI – Three days.

- **Observed benefits of Exirel insect control:** Exirel insect control delivers a level of performance and protection from yield-robbing insect pests unlike anything blueberry growers have ever seen before.
- **Unique mode of action:** Through its unique mode of action, Exirel insect control impairs insects' muscles, resulting in rapid feeding cessation and reduced damage.
- **Effective on multiple insect life stages:** Exirel insect control impacts multiple pests' life stages and reduces the ability of adult insect pests, such as spotted wing drosophila, to lay eggs.
- **Ideal resistance management tool:** Used in rotation with existing modes of action, Exirel insect control can reduce selection pressure placed on other chemistries.
- **Favorable MRL Profile:** Exirel insect control gives you freedom to operate in major export markets including Canada, the EU, Japan and Mexico.
- **Strong fit in IPM programs:** Exirel insect control has moderate to no impact on parasitoids and predators making it an excellent fit in IPM programs.
- **Excellent worker protection standard profile:** Three-day PHI; 12-hour REI; Caution signal word; standard PPE.
- **Superior rainfastness:** Exirel insect control resists washoff once dried; making applications more manageable.



Best Practices with Exirel® insect control powered by Cyazypyr® active

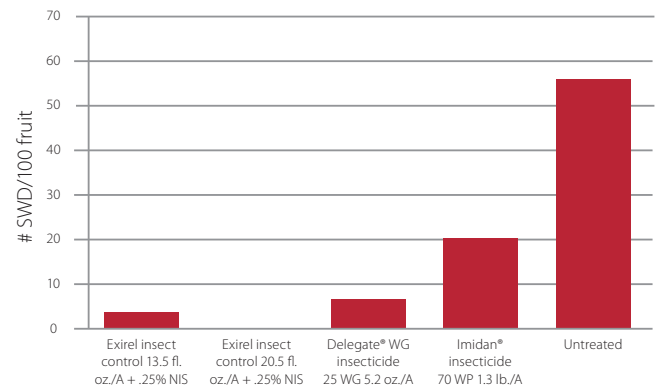
- Apply Exirel insect control at a rate of 13.5–20.5 fl. oz./A early in the infestation when insect populations are low.
- Spotted wing drosophila: For best results, apply Exirel insect control in the first half of the spray program. Start applications when first adults are detected and then start spray program on seven-day interval; stay in a program through harvest.
- Good spray coverage of the fruit is very important and use of a proper adjuvant is critical. Results indicate that a nonionic surfactant is the most effective.
- Adjust water volume to size of bush. Examples: 30–50 gallons of water for highbush blueberries; 75–150 gallons of water for rabbiteye blueberries, a variety grown in the South.

Realize the full potential of your blueberries

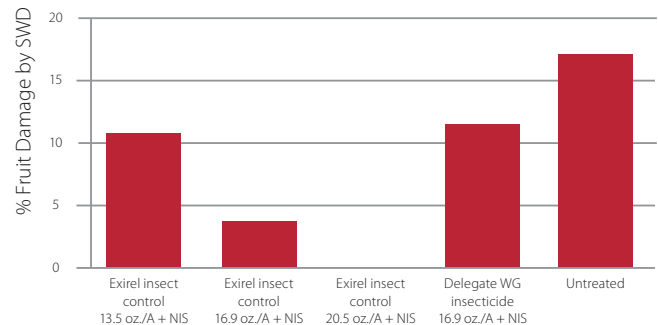
Rejection of produce can be costly. Exirel insect control gives you the freedom to operate in major export markets, including Canada, the EU, Japan and Mexico. Exirel insect control reduces the opportunity for produce rejection by protecting fruit from spotted wing drosophila (SWD). Studies conducted in North Carolina and New Jersey show that at all rates evaluated, fruit protection with Exirel insect control was equal to or better than the industry standards, and at 20.5 fl oz./A, it provided outstanding fruit protection.

Fruit protection from SWD

Dr. Rodriguez, Rutgers, 2012, Highbush Blueberries



Dr. Hannah Burrack, NC State Univ., 2013 Highbush Blueberries



Source: Dr. Rodriguez, Rutgers, EAF-12-789, 2012; three applications at seven-day intervals; application dates: July 5, July 12, July 19. Evaluation made six days after last application.

Dr. Hannah Burrack, North Carolina State University, Castle Hayne, NC, SOK-13-071, 2013; two applications at seven-day interval; application dates: June 4, June 11.

Target pest	Exirel insect control rate		PHI (preharvest interval) (days)	REI (re-entry interval) (hours)
	Lbs. a.i. per acre	Fluid ounces product per acre		
Cherry fruitworm Cranberry fruitworm	0.065–0.088	10–13.5	3	12
Blueberry aphid Blueberry gall midge* Blueberry maggot Spotted wing drosophila Plum curculio**	0.088–0.133	13.5–20.5		

Minimum application interval between treatments is five days.

Do not apply a total of more than 0.4 lb. ai/A of Cyazypyr active or cyantraniliprole-containing products per calendar year.

Spray volume: Thorough coverage is essential to achieve best results. Select spray volume appropriate for the size trees or plants and density of foliage. Do not apply less than 30 GPA. For best results, apply 100-150 GPA.

* Suppression only. Use as part of an effective blueberry maggot control program. Rotate with products with different modes of action. Begin making blueberry gall midge applications when populations are low.

** For best performance, use with an effective adjuvant. See "Use of Adjuvants" section.

For more information, contact your local FMC retailer or representative about Exirel insect control and visit us at FMCCrop.com.

Always read and follow label directions and precautions for use. As of November 1, 2017, the USEPA registration for DuPont™ Exirel® insect control powered by Cyazypyr® active was sold to FMC by DuPont. FMC, Cyazypyr and Exirel are trademarks of FMC Corporation or an affiliate. Delegate is a trademark of Dow AgroSciences LLC. Imidan is a trademark of Gowan Company, LLC. ©2018 FMC Corporation. All rights reserved. 18-FMC-0395 05/18

