

Coragen[®] Insect Control

Powered by Rynaxypyr[®] active



TOBACCO

Help optimize quality and yields through reliable and consistent control.

Coragen[®] insect control's soil-application method provides growers with a flexible alternative application method that delivers excellent pest control with a favorable environmental profile.

Coragen insect control powered by Rynaxypyr[®] active is a suspension concentrate formulation that controls many challenging insects. For maximum flexibility, it can be applied to tobacco using the following methods:

- Transplant water treatment at 7 fl. oz./A.
- Foliar spray at 5 fl. oz./A post topping.

When applied at planting, Coragen insect control must be mixed with water prior to application.

Coragen insect control transplant water application (TPW) guidelines and recommendations for tobacco

Coragen insect control offers study-demonstrated protection of tobacco through effective and long-lasting control of larval stage Lepidopterous insect pests, specifically tobacco budworms, tobacco hornworms and tomato hornworms. Following ingestion by Lepidopterous pests, Coragen insect control goes to work rapidly, stopping destructive feeding and damage to tobacco transplants. TPW applications provide

plant protection, starting from transplantation through the development of young plants, generally through the first 30-45 days of plant establishment. When used in TPW, the residual protection of Coragen insect control offers continuous and more uniform crop protection against destructive Lepidopterous pests. This provides a significant advantage over foliar applications of most insecticides, which must be applied repeatedly for an equivalent length of control.

TPW applications must be placed properly and uniformly in the root zone for effective results.





Transplant water treatment (TPW) at planting

Tobacco transplants should be watered adequately before transplanting. Coragen® insect control powered by Rynaxypyr® active may be applied as a TPW treatment at planting. Ensure the applied water volume is sufficient to thoroughly wet the root zone. Use minimum of 150 GPA.

For best results, follow the guidelines below

- Ensure accurate measurement of product and water volumes.
- Ensure adequate mixing in the TPW nurse tank or in TPW tank.

Note: Coragen insect control remains in suspension well and is stable for a wide range of pH levels.

- Follow the product-mixing sequence guidelines when incorporating Coragen insect control into the TPW:
 1. Any products in water-soluble bags.
 2. Any granular or wettable powder formulations.
 3. Water-based suspension concentrates, such as Coragen insect control and Admire Pro® insecticide.
 4. Any water-soluble concentrates.
 5. Any oil-based suspension concentrates.
 6. Any emulsifiable concentrates.
 7. Adjuvants, surfactants and oils.
 8. Soluble fertilizers.
- Apply Coragen insect control at a rate of 7 fl. oz./A.
Higher application rates ensure coverage of first-generation insect development.
- Use adequate quantities (200 gallons) of TPW per acre.
Higher water volume increases the treated root zone for improved uptake.
- Ensure uniform TPW volume is applied across the field.

- Using pressurized (pumped) water-delivery systems reduces water-flow variability.
- Flow controllers that adjust based on tractor speed can help provide uniform volume delivery.
- Use water-flow measurement devices to achieve target gallons per acre.
- Monitor visible flow indicators to confirm that delivery piping is not plugged during transplanting.
- Ensure TPW flow is turned back on immediately upon row turn.

Uniformity ensures even rate applied per plant and avoids skips.

Refer to the product label for specific application guidance, including rate and volume measurements and calculations.

Compatibility with other pesticides and nutritional sprays

Coragen insect control is compatible with most common pesticides and nutritional sprays. However, since it is not possible to test all possible mixtures, the user should test to ensure the physical compatibility and lack of phytotoxic effect of any proposed mixtures with Coragen insect control. To determine the physical compatibility of Coragen insect control with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 quart of water. Add wettable powders and water-dispersible granular products first, then liquid flowables and emulsifiable concentrates last. After thoroughly mixing, let stand at least five minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the injector tank. Confirm the safety for the target crop before applying any tank mixture not specified on the Coragen insect control label.

For more information, contact your local FMC retailer or representative about Coragen insect control programs from FMC and visit us at Ag.FMC.com.

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