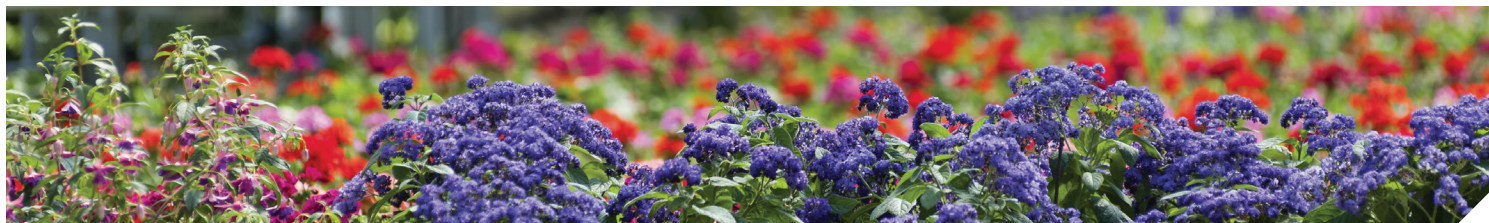


XXpire®

INSECTICIDE

Controls both chewing and sap-feeding insects



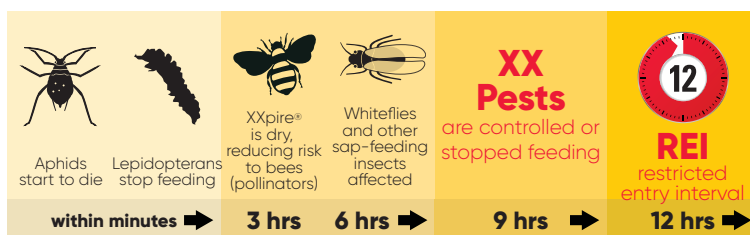
XXpire® insecticide has shown no signs of phytotoxicity risk on more than 300 different plant varieties tested.

Protect your plants with the XX factor

XXpire® insecticide combines two active ingredients, sulfoxaflor and spinetoram. Together, they control more than 39 insects, including seven of the top 10 chewing or sap-feeding insect pests. With two different modes of action, XXpire reduces the likelihood of resistance, making XXpire an effective option to fit into your current IPM resistance rotation.

At a glance

- Two active ingredients: sulfoxaflor and spinetoram
- Unique mode of action
- Group 4C and Group 5 chemical classes
- Not a neonicotinoid, and insects highly resistant to neonicotinoids are markedly less, or not at all, resistant to sulfoxaflor



Minimal phytotoxic risk to plants

In testing on more than 300 plants, XXpire showed no signs of phytotoxicity. XXpire leaves no visible residue on leaves or flowers. In third-party university trials, XXpire was applied at four times the highest labeled application rate and no injury was observed.

Less disruptive to beneficials

XXpire has shown no significant impact on certain predatory insects and other beneficials. No evidence of outbreaks or flaring of secondary pests has been observed.

Risk to pollinators

For greenhouse applications, there are no concerns or restrictions relative to bees and native pollinators. For outdoor nursery and landscape applications, risk to pollinators is greatly reduced after three hours of drying time.

Controls 7 of the top 10 pests

XXpire controls seven of the top 10 pests—and suppresses hard-to-control spider mites—for a broader spectrum of insect control.

Knockdown timeline

XXpire starts working as soon as it's applied. Many insects, such as aphids, stop feeding when exposed to the treatment. Other pests die a few hours later.

XXpire controls	
Whiteflies	Mealybugs
Thrips	Other caterpillars
Scales	Bagworms
Aphids	Spider mites (suppression)

XXpire key facts	
<ul style="list-style-type: none">• Two active ingredients<ul style="list-style-type: none">– Sulfoxaflor (Group 4C)– Spinetoram (Group 5)• Two different modes of action• Controls more than 39 insects (including seven of the top 10 nursery/greenhouse pests)• Suppresses spider mites• Xylem-mobile and translaminar activity• No visible residue on leaves and flowers	<ul style="list-style-type: none">• Minimal phytotoxic risk to 300+ different plants tested• Less disruptive to beneficials (spiders, predatory mites, ladybird beetles, minute pirate bugs, etc.)• Residual activity up to four weeks against certain pests• Signal word: caution• 12-hour Restricted entry interval (REI)• Easy-to-use water dispersible granules (WG) formulation• Virtually no odor

When to use XXpire® insecticide

Apply XXpire® insecticide when pests appear. Follow Insecticide Resistance Management (IRM) guidelines and local recommendations. Do not make more than two consecutive applications, then rotate to a different class of chemistry. XXpire has a minimum treatment interval of 14 days. Consult your Corteva Agriscience representative, extension service specialist, certified crop advisor or your state agricultural experiment station for any additional local use recommendations for your area.

- Rotation of compounds between subgroups is recommended only if no options are available between groups
- Do not apply to any stage of edible crops
- Outdoor applications: do not make more than one application during bloom
- Greenhouses: there are no restrictions during bloom

How to use XXpire

XXpire can be used alone or in a tank mix, and it is compatible with air-blast sprayers. Apply as a foliar spray just to the point of runoff (up to 200 GPA). Uniformly cover upper and lower leaf surfaces for optimal control. All application methods should follow the maximum application rate of:

- Outdoor applications: 5.5 oz./acre on plants in bloom; 7.0 oz./acre on plants not in bloom
- Greenhouses: 7.0 oz./acre
- Adjuvants can optimize control on most insects. An organo silicone adjuvant is recommended.

Lasting residual activity

XXpire penetrates into and moves through the plant through translaminar and xylem-mobile activity. This enables XXpire to control pests hidden in the canopy and under leaves, with excellent residual activity after initial application.

Easy to use

One bottle of XXpire can be used to make up to 800 gallons of spray solution. It's easy to measure and pour, plus the concentrated water-dispersible granules (WG) formulation ensures:

- A consistent particle size
- Low dust
- Rapid and complete dispersion in water
- Convenient measuring device included



XXpire dries in 3 hours to minimize risk to beneficials and pollinators.

Use restrictions

Minimum treatment interval	14 days	
Max. # applications/year	Greenhouse: 6	Nursery: 4
Max. consecutive applications	2	
Max. yearly application/acre	21.25 oz.	

Recommended application rates

Rate	Insects controlled
2-2.75 oz./100 gal. or 4-5.5 oz./acre	Aphids, lepidopterans, chrysomelid leaf-feeding beetles, mealybugs, sawflies, shore flies, Lygus bugs, thrips
2.75 oz./100 gal. or 5.5 oz./acre	Gall midges, lace bugs, whiteflies, pine needle scale
3.5 oz./100 gal. or 7.0 oz./acre	Other scale species, spider mites (suppression)

Learn more at [ExperienceXXpire.com](https://www.experiencexxpire.com)