



FIFRA 2(ee) Recommendation

EPA Reg. No. 279-9596

**FOR DISTRIBUTION AND USE
IN ALL REGISTERED STATES
EXCEPT TEXAS AND NEW YORK**

**THIS RECOMMENDATION, WHICH CONTAINS
ADDITIONAL DIRECTIONS FOR USE, IS
MADE AS PERMITTED UNDER FIFRA
SECTION 2(ee) AND HAS NOT BEEN
SUBMITTED TO OR APPROVED BY THE US
EPA.**

This label for STEWARD® EC insecticide is valid until December 31, 2030, or until withdrawn, canceled or suspended.

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS
LABELING. ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA
REGISTERED LABEL MUST BE FOLLOWED.**

**THESE USE DIRECTIONS MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE
APPLICATION.**

REDUCED RATES OF STEWARD EC INSECTICIDE FOR THE CONTROL OF ALFALFA WEEVIL LARVAE (AW) AND EGYPTIAN ALFALFA WEEVIL LARVAE (EAW) AND FOR TANK-MIXTURES WITH ORGANOPHOSPHATE OR PYRETHROID INSECTICIDES WHEN WEEVIL LARVAE AND APHIDS ARE SIMULTANEOUS PESTS IN ALFALFA

Directions For Use

Do not apply this product in any way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations. Always read this FIFRA 2(ee) bulletin and the entire label on the product container before using this product.



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STEWARD EC insecticide is recommended for use in alfalfa for control of alfalfa weevil larvae (*Hypera postica*) and Egyptian alfalfa weevil larvae (*Hypera brunneipennis*).

For control of alfalfa weevil larvae and Egyptian alfalfa weevil larvae, apply STEWARD EC insecticide as a broadcast treatment at the rates of 4.0 to 11.3 fl. oz./A with optimal carrier volume of water to maximize coverage. Use the lower range of rates 4.0 to 6.6 fl. oz./A when 10 to 14 days of residual control are needed. Use the higher range of rates 6.7 to 11.3 fl. oz./A when weevil larval pressure is moderate to severe or when longer residual control is desired (14 to 21 days).

For aerial application, use a minimum of 3 gallons of water per acre (GPA). In Arizona, use a minimum of 5 GPA for aerial application. For ground application, use a minimum of 5 GPA. Higher application volume (GPA) will provide better coverage and performance. For best results, a minimum of 5 GPA by air and 20 GPA by ground application equipment is recommended.

Where aphids are a significant and simultaneous pest add one of the following organophosphate or pyrethroid insecticides for aphid control. STEWARD EC insecticide can be tank mixed with these pesticide products labeled for use on alfalfa in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. STEWARD EC insecticide cannot be mixed with any product containing a label prohibition against such mixing.

Organophosphate insecticides

dimethoate

malathion (e.g. "Fyfanon")

chlorpyrifos (e.g. "Lorsban")*

Pyrethroid insecticides

permethrin (e.g. "Pounce")*

zeta-cypermethrin (e.g. "Mustang Maxx")*

cyfluthrin (e.g. "Baythroid")*

lambda cyhalothrin (e.g. "Warrior")*

* Restricted Use Product

NOTE: Do not apply STEWARD EC insecticide within 7 days of harvest. For alfalfa, harvest is defined as when the crop is cut. Do not apply more than 45 fl. oz. STEWARD EC insecticide (0.44 lb. ai) per acre per year. Apply no more than 11.3 fl. oz. (0.11 lb. ai) of STEWARD EC insecticide per cutting. When STEWARD EC insecticide is used on alfalfa grown for seed, the seed may not be used for sprouts or livestock feed. All seed from STEWARD EC insecticide treated crop must be tagged, "Not for Human or Animal Use" at the processing plant.

INSECT RESISTANCE MANAGEMENT

STEWARD EC insecticide contains the active ingredient indoxacarb and is a Group 22 insecticide based on the mode of action classification system of the International Insecticide Resistance Action Committee (IRAC). Insecticides with the same Group Number affect the same biological site of action on the target pest and when used repeatedly in the same treatment area, naturally-occurring resistant individuals may survive correctly applied insecticide treatments, reproduce, and become dominant.

To avoid or delay the development of insecticide resistance, a resistance management strategy should be established for the use area. This strategy may include incorporation of cultural and biological control practices, alternation to different mode of action insecticides on succeeding generations, and targeting the most susceptible life stage. Consult your local or state agricultural authorities and product manufacturer for more information about developing a resistance management strategy.

Unless directed otherwise in the specific crop/pest sections of this label, the best practices are to follow these guidelines to delay the development of insecticide resistance:

- Apply STEWARD EC insecticide and other Group 22 insecticides within a single "treatment window" to minimize exposing multiple successive generations of a pest species to the same mode of action insecticides.



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- A “treatment window” is defined as the period of insecticidal activity provided by one or more applications of products with the same mode of action.
- A “treatment window”, including residual control, should not exceed 30 days (the length of a typical pest generation).
- Within the Group 22 “treatment window”, make no more than 3 applications of STEWARD EC insecticide or other Group 22 insecticides.
- Following a Group 22 “treatment window”, rotate to a “treatment window” of effective insecticides with a different mode of action (Group Number).
- The period between Group 22 “treatment windows” should be at least 30 days.
- The total exposure of all Group 22 products applied throughout the crop cycle (from seedling to harvest) should not exceed approximately 50% of the crop cycle or 50% of the total number of insecticide applications targeted at the same pest species.
- Avoid using less than labeled rates of STEWARD EC insecticide when applied alone or in tank mixtures.
- Target the most susceptible insect life stages whenever possible.
- Monitor insect populations for product effectiveness. If poor performance occurs and it cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present.

If resistance to STEWARD EC insecticide develops in your area, STEWARD EC insecticide or other products with a similar mode of action (Group 22) may not provide adequate control. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternate method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://www.irac-online.org>.

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IMPORTANT NOTICE

BEFORE BUYING OR USING FMC PRODUCT(S) COVERED BY THIS BULLETIN, READ THIS BULLETIN, AND THE LABELS FOR ALL PRODUCTS REFERENCED IN THIS BULLETIN, IN THEIR ENTIRETY, AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS.

It is a violation of Federal law to use this or any other pesticide product in a manner inconsistent with its labeling. This Bulletin contains supplemental instructions for use of the referenced FMC product. Follow these instructions carefully. This Bulletin must be in the possession of the User at the time of application. **Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using the FMC product(s) covered by this Bulletin. FMC will not be responsible for losses or damages resulting from use of this product in any manner not specifically stated by FMC on the Section 3 label, or other labels, or this Bulletin. User assumes all risks associated with any such nonspecified use. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability of the Section 3 Federal product label.**

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