

Insecticide Treatment Options for Corn Earworm in Field Corn

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See <https://www.greenbook.net> or other resources for additional registrations.

*Consult product label for specific information and restrictions.

IRAC Mode of Action Classification:

- Group 1 = Acetylcholine esterase inhibitors; 1A = Carbamates, 1B = Organophosphates
- Group 3 = Sodium channel modulators
- Group 5 = Nicotinic acetylcholine receptor agonists (allosteric), Spinosyns
- Group 22 = Voltage-dependent sodium channel blockers, 22A = Oxadiazines
- Group 28 = Ryanodine receptor modulators, Diamides

R= Restricted-Use Product

| Mode Of Action | Product Name | Common Name | Rate (Formulation/Acre) | Restrictions/Comments |
|----------------|---|---|-------------------------|--|
| 3 R | Ambush 2EC | permethrin | 6.4-12.8 fl oz | PHI 30 days for grain or fodder (stover). Forage may be harvested on the day of application. Apply just before silking. |
| 3 R | Arctic 3.2EC | permethrin | 4-6 fl oz | PHI 30 days for harvest of grain or fodder (stover). Forage may be harvested on the day of application. Apply just before silking. |
| 3 R | Asana XL | esfenvalerate | 5.8-9.6 oz | PHI 21 days. First application should be at or before silking. |
| 3 R | Baythroid XL | cyfluthrin | 1.6-2.8 fl oz | PHI 21 days for grain or fodder and 0 days for green forage. |
| 28 | Belt SC | flubendiamide | 2-3 fl oz | PHI 1 day for green forage and silage and 28 days for grain or stover. |
| 3, 28 R | Besiege | lambda-cyhalothrin, chlorantraniliprole | 5-10 fl oz | PHI 21 days. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment. For control before the larva bores into the plant stalk or ear. |
| 3 R | Brigade 2EC, Fanfare 2EC, Bifenture EC, Discipline 2EC, | bifenthrin | 2.1-6.4 fl oz | PHI 30 days. Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment. |

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| | Sniper, Tundra EC | | | |
| 1B, 3 R | Cobalt | chlorpyrifos and gamma-cyhalothrin | 19-38 fl oz | PHI 21 days for grain, ears, forage or fodder. |
| 1B, 3 R | Cobalt Advanced | chlorpyrifos and gamma cyhalothrin | 16-38 fl oz | PHI 21 days for grain, ears, forage or fodder. |
| 28 | Coragen | rynaxypyr | 3.5-7.5 fl oz | PHI 14 days. |
| 3 R | Declare | gamma-cyhalothrin | 0.77-1.28 fl oz | PHI 21 days for grain, livestock grazing or silage harvest. |
| 3 R | Delta Gold | deltamethrin | 1.5-1.9 fl oz | PHI 21 days for grain or fodder. PHI 12 days for cutting or grazing for forage. |
| 3 R | Ethos XB | bifenthrin | 2.8-8.5 fl oz | PHI 30 days for grain, silage and grazing. |
| 3 R | Fastac EC | alpha-cypermethrin | 1.8-3.8 fl oz | For control before the larva bores into the plant stalk or ear. PHI 30 days for grain and stover. PHI 60 days for forage. |
| 3 R | Hero | zeta-cypermethrin and bifenthrin | 4.0-10.3 fl oz | PHI 30 days for grain or stover and 60 days for forage. Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application. |
| 1A | Lannate LV | methomyl | 0.75-1.5 pts | PHI 21 days for ears and stover, and 3 days for forage. |
| 1A | Lannate SP | methomyl | 0.25-0.50 lb | PHI 21 days for ears and stover, and 3 days for forage. |
| 1B R | Lorsban Advanced, Lorsban 4E, Govern 4E, Hatchet, Nufos 4E, Warhawk, Yuma 4E | chlorpyrifos | 1.5-2.0 pts | PHI 21 days before harvest of grain, ears, forage or fodder. |
| 3 R | Mustang Maxx, Respect | zeta-cypermethrin | 1.76-4.0 oz | Apply before the larvae enter the ear. PHI 30 days for grain and stover. PHI 60 days for forage. |
| 1B | Nufos 4E | chlorpyrifos | 1.5-2.0 pts | Apply 2-5 gal of spray per acre by air. |
| 3 R | Pounce 25WP | permethrin | 6.4-9.6 oz | Do not make treatments less than 6 days apart. Up to 0.6 lb ai may be used per season. |
| 28 | Prevathon | chlorantraniliprole | 14-20 fl oz | PHI 14 days for harvest of ears and 1 day for forage, fodder, silage or stover. |
| 3 R | Proaxis | gamma-cyhalothrin | 1.92-3.20 fl oz | For control before larvae enter the ear. PHI 21 days. |
| 5 | Radiant SC | spinetoram | 3-6 fl oz | PHI 28 days for grain and 3 days for fodder or forage. Apply broadcast or direct spray to ear zone. |

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| 1A | Sevin XLR Plus | carbaryl | 1-2 qts | PHI 48 days for grain and fodder or 14 days for grazing and silage. |
| 1B, 3 R | Stallion | chlorpyrifos and zeta-cypermethrin | 9.25-11.75 fl oz | PHI 30 days for grain or stover and 60 days for forage. |
| 3 R | Steed | zeta-cypermethrin and bifenthrin | 3.5-4.7 fl oz | PHI 30 days for grain or stover and 60 days for forage. Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application. |
| 22A | Steward EC | indoxacarb | 6.0-11.3 fl oz | PHI 14 days for grain or stover and 1 day for forage, fodder and silage. Control is only for treated foliage and silks. New foliage and new silks will not be protected with a single application. |
| 5 | Tracer | spinosad | 2-3 fl oz | PHI 28 days for grain and 3 days for fodder or forage harvest. |
| 1B, 3 R | Tundra Supreme | chlorpyrifos and bifenthrin | 5.6-16.8 fl oz | PHI 30 days for grain and silage. |
| 3 R | Warrior w/ Zeon Technology, Silencer | lambda-cyhalothrin | 1.92-3.20 fl oz | For control before the larvae bores into the ear. PHI 21 days for harvest, grazing or cutting treated crops for feed. |
| 3 R | Warrior II w/ Zeon Technology, Lamcap II | lambda-cyhalothrin | 0.96-1.60 fl oz | For control before the larvae bores into the ear. PHI 21 days for harvest, grazing or cutting treated crops for feed. |