

# Corn

## Seed, Soil, and Foliar Insecticides

Insecticide	Armyworm	Chinch Bug	Common Stalk Borer	Corn Flea Beetle	Corn Leaf Aphid	Corn Rootworm Larvae	Corn Rootworm Adult	European Corn Borer	Grasshopper	Soil Cutworm	Spider Mite	Western Bean Cutworm	White Grubs	Wireworm
<b>Seed Treatment</b>														
Avicta Complete Corn		X		X									X	X
Cruiser 5FS		X		X	X	X				X			X	X
Gaucho 600		X				X							X	X
Lumivia													X	X
Poncho 600		X		X		X				X			X	X
Poncho/VOTiVO		X		X	X					X			X	X
<b>Soil-Applied</b>														
Aztec HC						X				X			X	X
Aztec 4.67G						X				X			X	X
Ballista LFC						X							X	X
Bifenture 2E, Brigade, Discipline 2E, Sniper 2E, Tundra 2EC						X				X			X	X
Capture LFR, Capture 3RIVE 3D, Ethos XB, Manticor LFR	X					X				X			X	X
Counter 20G				X		X				X			X	X
Defcon 2.1G						X				X			X	X
Force 3G						X				X			X	X
Force 6.5G						X				X			X	X
Force CS						X				X			X	X
Hero EC										X			X	X
Lorsban 15G						X		X					X	X
Mustang Maxx										X			X	X
Pounce 1.5G						X				X				X
SmartChoice 5G						X				X			X	X
Thimet 20G				X		X							X	X
<b>Foliar-Applied</b>														
Ambush 2EC	X		X	X			X	X		X		X		
Arctic EC	X		X	X			X	X		X		X		
Asana XL	X	X	X	X	X		X	X	X	X		X		
Baythroid XL		X	X	X			X	X	X	X		X		
Bifenture 2E, Brigade 2EC, Discipline 2E, Sniper 2E, Tundra 2EC	X	X	X	X	X		X	X	X		X	X		
Cobalt, Cobalt Advanced	X	X	X	X	X		X	X	X	X		X		X
Comite II											X			
Coragen								X				X		
Delta Gold	X	X	X	X			X	X	X	X		X		
Dimate 4E, Dimethoate					X		X		X		X			
DiPel ES	X													
Fastac EC/CS	X	X	X	X	X		X	X	X	X		X		
Govern 4E, Hatchet 4E, Lorsban 4E, Warhawk 4E, Yuma 4E	X	X	X	X	X	X	X	X	X	X	X	X		
Hero	X	X	X	X	X		X	X	X	X	X	X		
Intrepid 2F	X												X	
Lannate LV	X		X		X		X	X				X		
Lorsban 15G						X		X						X
Malathion 57EC	X				X		X		X					
Mustang MAXX	X	X	X	X	X		X	X	X	X		X		
Oberon 2SC											X			
Onager											X			
Prevathon								X	X			X		
Proaxis		X		X	X		X	X	X			X		
Radiant SC	X							X					X	
Respect	X	X	X	X	X		X	X	X	X		X		
Sevin XLR Plus	X	X		X			X	X	X	X		X		
Sivanto 200 SL					X									
Stallion	X	X	X	X	X	X				X		X		
Steward EC	X						X	X	X			X		
Swagger	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tracer	X							X	X			X		
Tundra					X	X				X			X	X
Warrior II with Zeon Technology, Lambda Cy EC, Taiga Z	X	X	X	X			X	X	X	X		X	X	X
Zeal											X			

X = insecticide labeled for control against this pest.

# Field Corn

## Seed, Soil, and Foliar Insecticides

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Ambush 2EC Permethrin	3A	1. Western bean cutworm 2. Armyworm, fall armyworm, cutworm, European corn borer, flea beetle, corn earworm, corn rootworm beetle, stalk borer	1. 3.2-6.4 fl oz/A 2. 6.4-12.8 fl oz/A	REI is 12 hours. Do not apply within 30 days of harvest of grain or fodder.
Arctic EC Permethrin	3A	1. Western bean cutworm 2. Armyworm, fall armyworm, European corn borer, corn earworm, corn rootworm beetle, cutworm, flea beetle, stalk borers	1. 2.0-4.0 fl oz/A 2. 4.0-6.0 fl oz/A	REI is 12 hours. Do not apply within 30 days of harvest of grain or fodder.
Asana XL Esfenvalerate	3A	1. Western bean cutworm 2. Armyworm, black cutworm, chinch bug, corn leaf aphid, corn rootworm (adult control), cutworm, flea beetle, grasshopper, stalk borer 3. European corn borer	1. 2.9-5.8 fl oz/A 2. 5.8-9.6 fl oz/A 3. 7.8-9.6 fl oz/A	PHI is 21 days. Do not apply more than 0.25 lb ai per acre per season. Do not enter or allow worker entry into treated areas during the REI of 12 hours.
Avicta Complete Corn Thiamethoxam	4A	Wireworm, white grub, seed corn beetle, chinch bug, southern corn leaf beetle, seed corn maggot, corn flea beetle, grape colaspis	0.5 mg ai/kernel	
Aztec HC Tebupirimiphos + Cyfluthrin	1B, 3A	Corn rootworm larvae, cutworm, wireworm, seedcorn maggot, seed-corn beetle, white grub	1.5 ounces/1000 row-ft	REI is 48 hours (72 hours where average rainfall is less than 25 inches per year). T-band or in-furrow application. Apply with SmartBox system.
Aztec 4.67 G Tebupirimiphos + Cyfluthrin	1B, 3A	Corn rootworm larvae, cutworm, wireworm, seedcorn maggot, seed-corn beetle, white grub	3.0 ounces/1000 row-ft	REI is 48 hours (72 hours where average rainfall is less than 25 inches per year). T-band or in-furrow application. Apply with either SmartBox or mechanical system. (Aztec 4.67G is available in 50 lb bag).
Ballista LFC Lambda-cyhalothrin	3A	Corn rootworm larvae, seedcorn beetle, seedcorn maggot, white grub, wireworm	11.5 fl oz per acre (0.66 fl oz per 1000 row-ft) may be applied in furrow or as T-band application	
Baythroid XL Beta-cyfluthrin	3A	1. Black cutworm, corn flea beetle 2. Chinch bug, corn rootworm adult, European corn borer, stalk borer, western bean cutworm 3. Grasshopper	1. 0.8-1.6 fl oz/A 2. 1.6-2.8 fl oz/A 3. 2.1-2.8 fl oz/A	REI is 12 hours. PHI for grain or fodder is 21 days. Maximum of 4 applications per crop season.
Brigade 2EC Bifenthrin	3A	1. Corn rootworm larvae 2. Cutworms, wireworm, seed corn maggot, seed corn beetle, white grubs 3. Aphids, army cutworm, chinch bug, common stalk borer, corn earworm, corn rootworm adults, cutworm species, European corn borer, fall armyworm, flea beetle, grasshoppers, greenbug, southern corn leaf beetle, stink bugs, armyworm species, western bean cutworm 4. Banks grass mite, twospotted spider mite	1. 0.30 oz/1000 row-ft 2. 0.15-0.30 oz/1000 row-ft 3. 2.1-6.4 fl oz/A 4. 5.12-6.4 fl oz/A	<b>1 and 2. Apply as a 5- to 7-inch T-band treatment over an open seed furrow. Position spray nozzle behind the planter shoe, in front of the press wheel centered over the row.</b> <b>2. Use highest rate under heavy insect pressure. Do not apply within 30 days of harvest. Do not graze livestock or cut crops for feed within 30 days of last application.</b>
Capture LFR Bifenthrin	3A	1. Corn rootworm larvae 2. Wireworm, grub, seedcorn maggot, root aphid	1. 0.39-0.98 fl oz/1000 row-ft 2. 0.2-0.78 fl oz/1000 row-ft	Apply as a 5-7 inch band (T-band) over an open furrow, or in-furrow with the seed. REI is 12 hours.

\*REI = Restricted Entry Interval    PHI = Preharvest Interval

# Field Corn

## Seed, Soil, and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Capture 3RIVE 3D Bifenthrin	3A	1. Corn rootworm larvae 2. Wireworm, grape colaspis, grubs, seedcorn maggot, root aphids, army cutworm, seedcorn beetle	1. 0.46-0.92 fl oz/A 2. 0.23-0.92 fl oz/A	Capture 3RIVE 3D must be applied with a 3RIVE 3D system. 12 h REI/
Cobalt Advanced Chlorpyrifos + Lambda cyhalothrin	1B, 3A	<b>1. White grub, seed corn beetle, seed corn maggot and wireworm</b> <b>2. Cutworm</b>  <b>3. Grasshopper</b> <b>4. Aphid, armyworm, corn rootworm adult, cutworm, flea beetle adult</b> <b>5. Chinch bug, European corn borer, stalk borer, southern corn leaf beetle, western bean cutworm</b> 6. billbugs, common stalk borer, corn rootworm larvae, Japanese beetle adult	1. 2.87 fl oz/1000 row-ft (T-band) 2. 1.89 fl oz/1000 row-ft (T-band) 3. 6.0-13.0 fl oz /A 4. 11.0-26.0 fl oz/A  5. 16.0-38.0 fl oz/A  6. 32.0-42.0 fl oz/A	REI is 24 hours unless wearing PPE required for early entry. Do not apply within 21 days before harvest of grain or ears.
Comite II Propargite	12C	Twospotted spider mite, Banks grass mite	2 1/4- 3 3/8 pt/A	REI is 7 days. PHI is 30 days. Apply 1 time per year.
Coragen Chlorantraniliprole	28	Corn earworm, European corn borer, fall armyworm, western bean cutworm	3.5-5.0 fl oz/A	PHI is 14 days. REI is 4 hours.
Counter 15G Terbufos	1B	1. Corn rootworm, wireworm, white grub, seedcorn maggot, seedcorn beetle, corn flea beetle, maize billbug, southern corn billbug 2. Corn rootworm	1. At planting; 6.0-8.0 oz per 1000 row-ft applied banded or in-furrow  2. Cultivation time; 8.0 oz per 1000 row-ft	REI is 48 hours (72 hours where average rainfall is less than 25 inches a year). If application is made at planting, do not make postemergence or cultivation time treatments.
Cruiser 5FS Thiamethoxam	4A	1. Wireworm, seedcorn maggot, southern corn leaf beetle, chinch bug, corn flea beetle, grape colaspis, white grub, black cutworm, thrip, southern green stink bug, seedcorn beetle, and corn leaf aphid 2. Corn rootworm larvae and billbug	1. 0.125-0.80 mg ai/kernel  2. 1.25 mg ai/kernel	<b>REI is 12 hours. Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading. Dispose of all excess treated seed. Leftover treated seed may be doublesown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment wash water. Do not make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with Cruiser (thiamethoxam).</b>
Declare Gamma-cyhalothrin	3A	(Planting time) 1. Corn rootworm larvae, cutworm spp., seedcorn beetle, seedcorn maggot, white grub spp.  (Foliar applications) 1. Corn earworm, cutworms, western bean cutworm 2. European corn borer, fall armyworm, flea beetle, grasshopper spp., Japanese beetle adult, corn rootworm adult, stalk borer, stink bug spp., yellow striped armyworm 3. Beet armyworm, chinch bug	1. 0.26 fl oz per 1000 row-ft   1. 0.77-1.28 fl oz per acre 2. 1.02-1.54 fl oz per acre  3. 1.54 fl oz per acre	PHI is 21 days for grain, livestock grazing or silage harvest.   PHI is 21 days.

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# Field Corn

## Seed, Soil, and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Defcon 2.1G Phosphorothionate + Cyfluthrin	1B, 3A	Corn rootworm larvae, cutworm, wireworm, seedcorn maggot, seed- corn beetle, white grub	6.7 oz/1000 row-ft	May be applied as band, T-band, or in-furrow at planting. REI is 48 hours (72 hours for areas with annual average rainfall less than 25 inches).
Delta Gold Deltamethrin	3A	1. Cutworm, grasshopper, flea beetle 2. Armyworm, chinch bug, corn earworm, corn rootworm adult, Eu- ropean corn borer, stalk borer, stink bugs, webworm	1. 1.0-1.5 fl oz/A 2. 1.5-1.9 fl oz/A	REI is 12 hours. Do not apply within 21 days of harvest for grain or fodder, or within 12 days of cutting or grazing for forage.
Dimethoate 4E Dimethoate	1B	1. Banks grass mite, twospotted spider mite, aphid 2. Grasshopper	1. 2/3-1.0 pt/A 2. 1.0 pt/A	<b>REI is 48 hours. PHI is 14 days. Do not apply more than three times per year. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen-shed period if bees are present.</b>
DiPel ES and others <i>Bacillus thuringiensis</i>	11	European corn borer, corn earworm, variegated cutworm, webworm, armyworm	See product label	See product label.
Fastac EC Fastac CS Alpha-cypermethrin	3A	1. Cutworm 2. Corn earworm, western bean cutworm 3. Aphid, European corn borer, corn rootworm beetle, flea beetle, grass- hopper, Japanese beetle adult, stink bug spp., stalk borer 4. Armyworm, chinch bug 1.	1. 3-2.8 fl oz per acre 2. 1.8-3.8 fl oz per acre 3. 2.7-3.8 fl oz per acr 4. 3.2-3.8 fl oz per acre	<b>Apply min. 2 gal per acre by air, 10 gal per acre by ground. 30 d PHI for grain, 60 d PHI for forage. 12 h REI</b>
Fortress 3G chloroethoxyfos	3A	1. Corn rootworm, cutworm, seedcorn maggot, seedcorn beetle, lesser cornstalk borer, white grub, wireworm 2. Corn rootworm, seedcorn beetle, seedcorn maggot, white grub, wireworm	1. 4.0-5.0 oz/1000 row-ft, Banded, T-banded or in-furrow 2. 4.0-5.0 oz/1000 row-ft at cultivation within 30 days of seedling emergence 0.46-0.57 fl oz/1000 row-ft	<b>REI is 0 hours. Runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not apply this product within 20 yards of water. Cover or incorporate spills (including end row spillage). Use only once per crop. For best wireworm and/ or white grub control, apply the gran- ules as an in-furrow treatment.</b>
Force 3G tefluthrin	3A	Western Corn Rootworm, Northern Corn Rootworm, Southern Corn Rootworm, Mexican Corn Root- worm, Cutworm, Seedcorn Maggot, Seedcorn Beetle, Lesser Cornstalk Borer, White Grub, Wireworm	4-5 oz per 1000 row-ft, Banded, T-banded or In-Furrow  At planting or at cultivation within 30 days of seedling emergence	Do not exceed a total of 5.0 oz /1,000 row ft of Force 3G regardless of row spacing. Do not exceed a total of 10.9 lb/A of Force 3G Insecticide (0.327 lb ai/A of tefluthrin) per application regardless of row spacing. Make only one application of Force 3G Insecticide per year.
Force 6.5G tefluthrin	3A	1. Western Corn Rootworm Cutworms, Northern Corn Root- worm, Seedcorn Beetle, Seedcorn Maggot, Southern Corn Rootworm White Grub, Wireworm  2. cutworms (first year corn)	1. 1.8-2.3 oz per 1000 row-ft at planting by in-furrow, band or T-band application 2. 1.4 – 1.8 oz per 1000 row-ft by band or T-band application	Maximum Single Application Rate: 5.0 lb/A (0.327 lb ai/A of tefluthrin-containing products) Maximum Annual Rate: 5.0 lb/A (0.327 lb ai/A of tefluthrin-containing products) Make only one application of Force 6.5G per year. DO NOT follow a Force 6.5G at-planting application with a lay- by application.
Force Evo tefluthrin	3A	Cutworms, Northern Corn Root- worm, Seedcorn Beetle, Seedcorn Maggot, Southern Corn Rootworm, Western Corn Rootworm, White Grub, Wireworm	0.46 – 0.57 fl oz per 1000 row-ft at planting by In-Furrow or Banded Application	Maximum Single Application Rate: 20.0 fl oz/A (0.327 lb ai/A of tefluth- rin-containing products or 0.57 oz/1000 row feet of Force Evo regardless of row spacing) Maximum Annual Rate: 20.0 fl oz/A/ year (0.327 lb ai/A/year of tefluth- rin-containing products) Make only one application of Force Evo per year.

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# Field Corn

## Seed, Soil, and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Gaucho 600 Imidacloprid	4A	1. Corn rootworm 2. Seed corn beetle, chinch bug, white grub, seed corn maggot, wireworm, southern corn leaf beetle	1. 1.34 mg ai/kernel 2. 0.60 mg ai/kernel	1. Use only in areas of light to moderate corn rootworm populations
Hero Zeta-cypermethrin + Bifenthrin	3A	<b>1. Army cutworm, common stalk borer, cutworm species, flea beetle, grasshopper, western bean cutworm</b> <b>2. Aphid species, beet armyworm, fall armyworm, armyworm, armyworm species, yellowstriped armyworm, chinch bug, corn blotch leafminer adult, corn earworm, corn rootworm adult, European corn borer, greenbug, southern corn leaf beetle, stink bug, webworm</b> <b>3. Banks grass mite, twospotted spider mite</b> 4. Cutworm spp., including army cutworm, seed corn maggot, white grub, and wireworms	1. 2.6-6.1 oz/A  2. 4.0-10.3 oz/A  3. 10.3 oz/A  4. 4.0-10.3 oz/A applied at planting	REI is 12 hours. Do not apply within 30 days of harvest for grain and 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. Use of ultra low volume (ULV) application on corn is prohibited. Do not make aerial or ground applications to corn if heavy rainfall is imminent.
Intrepid 2F Methoxyfenozide	18	European corn borer, armyworm, western bean cutworm	4.0-8.0 fl oz/A	REI is 4 hours. PHI is 21 days.
Lannate LV Methomyl	1A	1. Earworm, armyworm, fall armyworm, European corn borer, corn rootworm adult, flea beetles, aphids 2. Variegated cutworm, beet armyworm	1. 0.075-1.5 pt/A  2. 1.5 pt/A	REI is 48 hours. PHI is 21 days for grain and stover.
Lorsban 4E Lorsban Advanced Chlorpyrifos	1B	<b>1. Grasshopper</b> <b>2. Aphid, armyworm, chinch bug, corn rootworm adult, cutworm, European corn borer, flea beetle adult, southern corn leaf beetle, western bean cutworm</b> <b>3. Common stalk borer, corn rootworm larvae, billbug</b>	1. 0.5 -1.0 pt/A 2. 1.0-2.0 pt/A  3. 2.0 pt/A	Do not enter or allow worker entry into treated areas during the REI of 24 hours unless wearing the PPE required for early entry. Apply as a postemergence broadcast spray using sufficient spray volume to ensure thorough coverage of treated plants, but no less than 15 gpa for ground spray equipment or 2 to 5 gpa for aircraft equipment. Lorsban 4E may be broadcast applied postemergence through sprinkler irrigation systems at recommended application rates to control listed foliar pests. For best results, tank mix Lorsban 4E with 2 pints of non-emulsifiable oil.
Lorsban 15G Chlorpyrifos	1B	1. Corn rootworm larvae seed corn beetle, seed corn maggot, wireworm, white grub 2. European corn borer (1st generation)  3. European corn borer (2nd generation)	1. 8.0 oz per 1000 row-ft <b>T-band or in-furrow application</b> 2. 3.5-8.0 oz per 1000 row-ft (banded); 5.0-6.5 lb/A (aerial) 3. 6.0-8.0 oz per 1000 row-ft (banded); 6.5 lb/A (aerial)	Do not enter or allow worker entry into treated areas during the REI of 24 hours unless wearing PPE required for early entry. Do not apply within 21 days before harvest of grain.
Lumivia Chlorantraniliprole	28	wireworms, white grubs, black cutworm, seed corn maggot, fall armyworm	0.25-0.75 mg ai per seed	Do not exceed a maximum of 0.054 lb ai per acre
Malathion 57EC Malathion	1B	Aphids, corn earworm, corn rootworm adults, small armyworms	1.5 pt/A	PHI is 7 days. REI is 3 days for detasseling, 12 hours for all other activities. Maximum of two applications per season.

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# Field Corn

## Seed, Soil, and Foliar Insecticides *(continued)*

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Mantikor LFR Bifenthrin	3A	1. Cutworm, seed corn beetle, seed corn maggot, wireworm, grubs, 2. Corn rootworm larvae	1. 0.49-1.09 fl oz per 1000 row-ft 2. 0.55-1.09 fl oz per 1000 row-ft	PHI is 7 days. REI is 3 days for detasseling, 12 hours for all other activities. Maximum of two applications per season.
Mustang MAXX Zeta-cypermethrin	3A	1. Cutworms 2. Corn earworm, western bean cutworm 3. European corn borer, corn rootworm beetle, flea beetle, grasshopper, southern corn leaf beetle, stalk borer, stink bug, webworm, aphid 4. Armyworm, fall armyworm, chinch bug	1. 1.28-2.8 oz/A 2. 1.76-4.0 oz/A 3. 2.72-4.0 oz/A 4. 3.2-4.0 oz/A	<b>REI is 12 hours. Do not apply more than 0.10 lb active ingredient per acre per season including at-planting plus foliar applications. PHI is 7 days for grain, stover, and forage harvest.</b>
Nufos 4E Chlorpyrifos	1B	1. Grasshopper 2. Aphids, armyworms, chinch bugs, corn rootworm adults, cutworms, European corn borer, flea beetle adults, southern corn leaf beetle, Western bean cutworm 3. Corn earworm 4. Billbugs, common stalk borer, corn rootworm larvae	1. 0.5-1.0 pt/A 2. 1.0-2.0 pt/A 3. 1.5-2.0 pt/A 4. 2.0 pt/A	PHI is 21 days. REI is 24 hours unless PPE worn. Maximum of three applications of any chlorpyrifos product per season.
Oberon 2SC Spiromesifen	23	Banks grass mite, twospotted spider mite	2.85-8.0 fl oz/A	<b>REI is 12 hours following application. PHI: green forage and silage – 5 days; grain or stover – 30 days. Maximum allowed per 14-day interval: 8.5 fl oz per acre. Maximum allowed per crop season: 8.5 fl oz per acre. Maximum number of applications per crop season: 2. Minimum application volume: 10.0 gpa ground, 5.0 gpa aerial.</b>
Onager Hexythiazox	10A	Banks grass mite, twospotted spider mite	10.0-24.0 fl oz/A	<b>May only be applied west of Highway 281. REI is 12 hours. May be applied by air, ground, or chemigation. Do not apply more than a total of 24 oz formulated product per acre per year. Do not make more than one application per year. Do not harvest field corn forage, stover, and grain for 30 days after application. Application after the V15 crop growth stage is prohibited. Minimum application volume: 15-20 gpa — ground, 5 gpa — aerial application.</b>
Poncho 600 Clothianidin	4A	1. Chinch bug, corn flea beetle, corn leaf aphid, black cutworm, grape colaspis, seedcorn maggot, southern corn leaf beetle, white grub, thrips, wireworm 2. Corn rootworm, southern corn billbug	1. 0.25-0.50 mg ai/kernel 2. 1.25 mg ai/kernel	<b>Dispose of all excess treated seed. Leftover treated seed may be doublesown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment wash water. Treated seeds exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.</b>
Poncho/VOTiVO Clothianidin	4A	Chinch bug, corn flea beetle, corn leaf aphid, black cutworm, grape colapsis, seedcorn maggot, southern corn leaf beetle, white grubs, wireworm	0.50 mg ai/seed of clothainidin	
Prevathon Chlorantraniliprole	28	Corn ear worm, European corn borer	14.0-20.0 fl oz/A	REI is 4 hours. PHI is 14 days.

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# Field Corn

## Seed, Soil, and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Proaxis Gamma-cyhalothrin	3A	1. Corn rootworm larvae, cutworm, seedcorn beetle, seedcorn maggot, white grub 2. Corn earworm, western bean cutworm. 3. European corn borer, fall armyworm, flea beetle, grasshopper, corn rootworm beetle, stalk borer, stink bug, webworm, corn leaf aphid 4. Chinch bug	1. 0.66 fl oz/1000 row-ft applied in-furrow, T-band, or banded at planting 2. 1.93-3.20 fl oz/A (foliar application) 3. 2.56-3.84 fl oz/A (foliar application)  4. 3.84 fl oz/A (foliar application)	REI is 24 hours. Do not apply within 21 days of harvest. Do not allow livestock to graze treated areas or harvest treated corn forage within 1 day after last treatment. Do not feed treated corn forage or fodder or silage within 21 days after the last treatment.
Radiant SC Spinetoram	5	Corn earworm, European corn borer, western bean cutworm, armyworm	3.0-6.0 fl oz/A	REI is 4 hours. Do not apply within 28 days of grain harvest or within 3 days of fodder or forage harvest.
Respect Zeta-cypermethrin	3A	1. Cutworms 2. Corn earworm, western bean cutworm 3. European corn borer, corn rootworm beetle, flea beetle, grasshopper, southern corn leaf beetle, stalk borer, stink bug, webworm, aphid 4. Armyworm, fall armyworm, chinch bug	1. 1.28-2.8 oz/A 2. 1.76-4.0 oz/A  3. 2.72-4.0 oz/A  4. 3.2-4.0 oz/A	REI is 12 hours. Do not apply more than 0.10 lb active ingredient per acre per season including at-planting plus foliar applications. Do not apply within 30 days of harvest for grain and stover and 60 days for forage.
Sevin XLR Plus Carbaryl	1A	1. Armyworm, chinch bug, corn rootworm adult, fall armyworm, flea beetle 2. European corn borer 3. Western bean cutworm, cutworm 4. Grasshoppers	1. 1.0-2.0 qt/A  2. 1.5-2.0 qt/A 3. 2.0 qt/A 4. 0.5-3.4 qt/A; small nymphs. 1.0-1.5 qt/A; mature grasshoppers	REI of 12 hours. Do not apply within 48 days of harvest of grain and fodder or within 14 days of harvest or grazing of forage or silage. Do not apply more than a total of 8 quarts per acre per crop.
SmartChoice 5G Chlorethoxyfos + Bifenthrin	1B, 3A	1. Cutworms, wireworms, white grubs, seedcorn maggots, grape colaspis, symphylans 2. Corn rootworm larvae, cutworms, wireworms, white grubs, seedcorn maggots, grape colaspis, symphylans	1. 3.0-3.5 oz per 1000 row-ft applied in furrow  2. 4.5-5.0 oz per 1000 row-ft applied in furrow	Do not make more than one application per year. Must be applied using Smart-Box or Lock 'N Load closed handling and application system.
Stallion Zeta cypermethrin + Chlorpyrifos	3A, 1B	1. Cutworm species (other than western bean cutworm) 2. Aphid species, armyworms, chinch bug, European corn borer, common stalk borer, corn earworm, corn rootworm beetle, grasshopper species, Japanese beetle adult, sap beetle adult, southern corn leaf beetle, stink bug species	1. 3.75-11.75 fl oz/A  2. 9.25-11.75 fl oz/A	Do not apply within 30 days of harvest for grain and stover, and 60 days of harvest for forage. 24 hour REI. Do not apply in tank mixes with Steadfast or Lightning herbicides.
Steward EC Indoxacarb	22	1. Beet armyworms, corn rootworm adults, European corn borer, fall armyworm, Japanese beetle adults, yellowstriped armyworm, grasshoppers 2. Brown, green and southern green stink bug	1. 6-11.3 fl oz/A 2. 9.2-11.3 fl oz/A	Do not apply within 14 days of harvest for grain and stover. 12 h REI

\*REI = Restricted Entry Interval    PHI = Preharvest Interval

# Field Corn

## Seed, Soil, and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Swagger Bifenthrin + Imidacloprid	3, 4A	1. Aphids, army cutworm, beet armyworm, chinch bug, common stalk borer, corn earworm, corn rootworm adults, cutworm spp., European corn borer, fall armyworm, flea beetles, grasshoppers, southern corn leaf beetle, stink bug, armyworm spp., webworms, western bean cutworm 2. Twospotted spider mite, Banks grass mite 3. Corn rootworm larvae	1. 8.45-25.6 fl oz/A  2. 20.48-25.6 fl oz/A  3. 2.4 fl oz/1000 row-ft (at planting)	PHI is 30 days, with a 7 day minimum interval between applications. Do not graze livestock in treated areas or cut treated crops for feed within 30 days of last application. Apply in a minimum of 2.0-5.0 gal of finished spray/A by air, or a minimum of 10.0 gal/A by ground.
Thimet 20G Phorate	1B	1. Corn rootworm, wireworm, white grub, seedcorn maggot, seedcorn beetle, flea beetle 2. corn rootworm	1. 4.5-6.0 oz/1000 row-ft (at planting); band or T-band only 2. 4.5-6.0 oz/1000 row-ft (at cultivation)	<b>REI is 48 hours (72 hours in areas where average annual rainfall is less than 25 inches a year). Do not apply more than one application of Thimet 20G per crop per season. Do not harvest, graze, or cut forage within 30 days of last treatment.</b>
Tracer Spinosad	5	1. European corn borer, fall armyworm, true armyworm 2. Beet armyworm, corn earworm, western bean cutworm	1. 1.0-3.0 fl oz/A  2. 2.0-3.0 fl oz/A	REI is 4 hours. Do not apply within 28 days of grain harvest or within 3 days of fodder or forage harvest. Do not apply more than a total of 6 fl oz per acre per year.
Tundra Supreme Chlorpyrifos + Bifenthrin	1B, 3	1. Aphids, army cutworm, beet armyworm, chinch bug, common stalk borer, corn earworm, corn rootworm adults, European corn borer, fall armyworm, flea beetle, grasshoppers, southern corn leaf beetle, stink bugs, western bean cutworm, armyworm spp. 2. Twospotted spider mite and Banks grass mite	1. 5.6-12.8 fl oz/A  2. 13.5-16.8 fl oz/A	Do not graze livestock in treated areas or cut treated crops for feed within 30 days of last application. Do not apply in tank mixes with Steadfast or Lightning herbicides.
Warrior II with Zeon Technology Lambda-cyhalothrin	3A	<b>1. Corn rootworm larvae, cutworm, lesser cornstalk borer, seedcorn beetle, seedcorn maggot, white grub, wireworm</b> <b>2. Corn earworm, cutworm, western bean cutworm</b> <b>3. Armyworm, corn rootworm beetle, European corn borer, fall armyworm, flea beetle, grasshopper, stalk borer, stink bug, webworm, yellowstriped armyworm</b> <b>4. Chinch bug</b>	1. 0.33 fl oz/1000 row-ft at planting, banded, T-band or in-furrow  2. 0.96-1.60 fl oz/A (foliar application) 3. 1.28-1.92 fl oz/A (foliar application)  4. 1.92 fl oz/A (foliar application)	<b>REI is 24 hours. Do not harvest or graze livestock or cut treated crops for feed within 21 days of at-planting application. Do not apply within 21 days of harvest. Do not allow livestock to graze in treated areas or harvest treated corn forage as feed for meat or dairy animals within 1 day after last treatment. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment.</b>
Zeal SC Etoxazole	10B	Twospotted spider mite and Banks grass mite	2-6 fl oz/A	PHI is 21 days. Do not apply less than 14 days apart.

\*REI = Restricted Entry Interval      PHI = Preharvest Interval