

# Soybean

## Seed and Foliar Insecticides

Insecticide	Bean Leaf Beetle	Soybean Aphid	Grasshopper	Caterpillar
<b>Seed Treatment</b>				
Cruiser (various formulations)	X	X		
Gaucho 600	X	X		
Inovate	X	X		
Poncho/VOTIVO	X	X		
<b>Foliar Treatment</b>				
Alias 4F	X	X		
Ambush 2EC	X		X	X
Arctic 3.2EC	X		X	X
Asana XL	X	X	X	X
<i>Bacillus thuringiensis</i>				X
Baythroid XL	X	X	X	X
Belay	X	X		
Besiege	X	X	X	X
Cobalt/Cobalt Advanced	X	X	X	X
Declare	X	X	X	X
Delta Gold 1.5EC	X	X	X	X
Dimethoate 4E	X	X	X	
Dimilin 2L			X	X
Fastac EC/CS	X	X	X	X
Endigo ZC	X	X		X
Hero	X	X	X	X
Intrepid 2F				X
Justice	X	X		X
Lannate LV	X			X
Leverage 360	X	X	X	X
Nufos 4E	X	X	X	X
Prevathon			X	X
Proaxis	X		X	X
Radiant SC				X
Respect	X	X	X	X
Sevin XLR Plus	X		X	X
Stallion	X	X	X	X
Steed	X	X	X	X
Steward EC				X
Swagger	X	X	X	X
Tracer				X
Triple Crown	X	X	X	X
Warrior II with Zeon Technology	X	X	X	X

X = insecticide labeled for control against this pest.

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## Seed and Foliar Insecticides

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Agri-Mek Abamectin	6	Spider mites	1.75-3.5 fl oz/A	REI is 12 hours. PHI is 7 days for forage or hay. PHI is 28 days for soybean seed  Must be mixed with non-ionic spray adjuvant. Do not allow livestock to graze or harvest treated foliage for feed. Do not feed treated fodder or silage to meat or dairy animals.  Do not apply more than 7 fl oz/A per year.
Alias 4F Imidacloprid	4A	Soybean aphid, bean leaf beetle, Japanese beetle adult	1.5 fl oz/A	REI is 12 hours. PHI is 7 days. Minimum interval between applications is 7 days. Maximum allowed per crop season is 4.5 fl oz per acre.
Ambush 2EC Permethrin	3A	1. Green cloverworm, bean leaf beetle, cabbage looper, velvetbean caterpillar, saltmarsh caterpillar, cutworm, thistle caterpillar 2. Corn earworm, beet armyworm, Japanese beetle, soybean looper, webworms	1. 3.2-6.4 fl oz/A 2. 6.4-12.8 fl oz/A	REI is 12 hours. Can be applied up to 60 days before harvest. Do not graze treated areas or harvest for forage or hay.
Arctic 3.2EC Permethrin	3A	1. Bean leaf beetle, cabbage looper, corn rootworm beetle, cutworm, green cloverworm, Japanese beetle, saltmarsh caterpillar, woollybear caterpillar, thistle caterpillar, velvetbean caterpillar 2. Beet armyworm, corn earworm, soybean aphid, soybean looper, webworms	1. 2.0-4.0 fl oz/A 2. 4.0-8.0 fl oz/A	REI is 12 hours. Can be applied up to 60 days before harvest. Do not graze treated areas or harvest for forage or hay.
Asana XL Esfenvalerate	3A	1. Green cloverworm, saltmarsh caterpillar, velvetbean caterpillar, woollybear caterpillar 2. Bean leaf beetle, cabbage looper, corn earworm, grasshopper, green stink bug, Japanese beetle, southern green stink bug, soybean aphid	1. 2.9-5.8 fl oz/A 2. 5.8-9.6 fl oz/A	REI is 12 hours. PHI is 21 days. Do not feed or graze livestock on treated fields. Do not apply more than 0.2 lb ai per acre per season.
Baythroid XL Beta-cyfluthrin	3A	1. Bean leaf beetle, stink bug, cabbage looper, corn earworm, Japanese beetle, saltmarsh caterpillar, velvetbean caterpillar, webworm, woollybear caterpillar 2. Soybean aphid, grasshoppers 3. Bean leaf beetle (growth stage VC-V2), cutworms, green cloverworm	1. 1.6-2.8 fl oz/A 2. 2.0-2.8 fl oz/A 3. 0.8-1.6 fl oz/A	REI is 12 hours. PHI is 21 days.
Belay Clothianidin	4A	Aphids, bean leaf beetle, Japanese beetle, stink bugs	3-4 fl oz/A	REI is 12 hours. PHI is 21 days. Do not graze or feed forage and hay to livestock.

\*REI = Restricted Entry Interval    PHI = Preharvest Interval

# Soybean

## Seed and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Besiege Lambda-cyhalothrin Chlorantraniliprole	3A, 28	1. Bean leaf beetle, cabbage looper, corn earworm, corn rootworm beetle adults, cutworm spp., green cloverworm, Mexican bean beetle, painted lady (thistle) caterpillar, potato leafhopper, saltmarsh caterpillar, soybean aphid, thrips spp. (except western flower thrips), velvetbean caterpillar, woollybear caterpillar 2. Armyworm, blister beetle spp., fall armyworm, grasshopper spp., Japanese beetle adult, plant bug spp., silverspotted skipper, stink bug spp., tobacco budworm, webworm spp., yellowstriped armyworm 3. Beet armyworm, soybean looper	1. 5.0 - 8.0 fl oz/A  2. 8.0 - 10.0 fl oz/A  3. 10.0 fl oz/A	REI is 24 hours. PHI is 30 days. Do not graze or harvest treated forage, straw, or hay for livestock feed
Cobalt Chlorpyrifos + Gamma-cyhalothrin	1B, 3A	1. Grasshopper, green cloverworm, velvetbean caterpillar 2. Cabbage looper, cutworm, painted lady caterpillar, saltmarsh caterpillar, soybean aphid, webworm spp., woollybear caterpillar 3. Bean leaf beetle, corn earworm, corn rootworm adult, Japanese beetle, stink bug spp.	1. 7.0-13.0 fl oz/A 2. 13.0-26.0 fl oz/A 3. 19.0-38.0 fl oz/A	REI is 24 hours. Do not apply last treatment within 30 days before harvest.
Cobalt Advanced Chlorpyrifos, Lambda-cyhalothrin	1B, 3A	1. Grasshopper, green cloverworm, velvetbean caterpillar 2. Cabbage looper, cutworm, painted lady caterpillar, saltmarsh caterpillar, soybean aphid, webworm spp., woollybear caterpillar 3. Bean leaf beetle, corn earworm, corn rootworm adult, Japanese beetle, stink bug spp.	1. 6.0-13.0 fl oz/A 2. 11.0-26.0 fl oz/A 3. 16.0-38.0 fl oz/A	REI is 24 hours. Do not apply last treatment within 30 days before harvest.
Cruiser Thiamethoxam	4A	Aphid, bean leaf beetle, grape colaspis, seedcorn maggot, thrips, white grub, and wireworm	Available as Cruiser Maxx, Cruiser Maxx Plus, Cruiser Maxx Vibrance, and other formulations. See labels.	See labels.
Delta Gold 1.5 EC Deltamethrin	3A	1. Green cloverworm, corn earworm, cutworms 2. Bean leaf beetle, loopers, corn rootworm beetle, grasshoppers, Japanese beetle, saltmarsh caterpillar, soybean aphid, stink bugs, webworm, yellow woollybear	1. 1.0-1.5 fl oz/A 2. 1.5-2.4 fl oz/A	REI is 12 hours. PHI is 21 days. Do not allow livestock to graze treated forage or feed treated hay to livestock.
Dimethoate 4E Dimethoate	1B	Mexican bean beetle, spider mites, aphids, bean leaf beetle, leafhoppers	1.0 pt/A	REI is 48 hours. PHI is 21 days.
Dimilin 2L Diflubenzuron	15	1. Velvetbean caterpillar, green cloverworms 2. Grasshoppers 3. Beet armyworm, fall armyworm, soybean looper	1. 2.0-4.0 fl oz/A 2. 2.0 fl oz/A 3. 4.0 fl oz/A	DIMILIN is not effective in controlling grasshoppers once they reach the adult stage. Do not enter or allow worker entry into treated areas during the 12-hour REI. Do not make more than 2 applications per season. Do not apply within 21 days of harvest. Do not apply within 25 feet by ground or 150 feet by air of bodies of water. All applications must include a 25-foot vegetative buffer strip within the buffer zone to decrease runoff.

\*REI = Restricted Entry Interval    PHI = Preharvest Interval

# Soybean

## Seed and Foliar Insecticides (*continued*)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Besiege Lambda-cyhalothrin Chlorantraniliprole	3A, 28	1. Bean leaf beetle, cabbage looper, corn earworm, corn rootworm beetle adults, cutworm spp., green cloverworm, Mexican bean beetle, painted lady (thistle) caterpillar, potato leafhopper, saltmarsh caterpillar, soybean aphid, thrips spp. (except western flower thrips), velvetbean caterpillar, woollybear caterpillar 2. Armyworm, blister beetle spp., fall armyworm, grasshopper spp., Japanese beetle adult, plant bug spp., silverspotted skipper, stink bug spp., tobacco budworm, webworm spp., yellowstriped armyworm 3. Beet armyworm, soybean looper	1. 5.0 - 8.0 fl oz/A  2. 8.0 - 10.0 fl oz/A  3. 10.0 fl oz/A	REI is 24 hours. PHI is 30 days. Do not graze or harvest treated forage, straw, or hay for livestock feed
Cobalt Chlorpyrifos + Gamma-cyhalothrin	1B, 3A	1. Grasshopper, green cloverworm, velvetbean caterpillar 2. Cabbage looper, cutworm, painted lady caterpillar, saltmarsh caterpillar, soybean aphid, webworm spp., woollybear caterpillar 3. Bean leaf beetle, corn earworm, corn rootworm adult, Japanese beetle, stink bug spp.	1. 7.0-13.0 fl oz/A 2. 13.0-26.0 fl oz/A 3. 19.0-38.0 fl oz/A	REI is 24 hours. Do not apply last treatment within 30 days before harvest.
Cobalt Advanced Chlorpyrifos, Lambda-cyhalothrin	1B, 3A	1. Grasshopper, green cloverworm, velvetbean caterpillar 2. Cabbage looper, cutworm, painted lady caterpillar, saltmarsh caterpillar, soybean aphid, webworm spp., woollybear caterpillar 3. Bean leaf beetle, corn earworm, corn rootworm adult, Japanese beetle, stink bug spp.	1. 6.0-13.0 fl oz/A 2. 11.0-26.0 fl oz/A 3. 16.0-38.0 fl oz/A	REI is 24 hours. Do not apply last treatment within 30 days before harvest.
Cruiser Thiamethoxam	4A	Aphid, bean leaf beetle, grape colaspis, seedcorn maggot, thrips, white grub, and wireworm	Available as Cruiser Maxx, Cruiser Maxx Plus, Cruiser Maxx Vibrance, and other formulations. See labels.	See labels.
Delta Gold 1.5 EC Deltamethrin	3A	1. Green cloverworm, corn earworm, cutworms 2. Bean leaf beetle, loopers, corn rootworm beetle, grasshoppers, Japanese beetle, saltmarsh caterpillar, soybean aphid, stink bugs, webworm, yellow woollybear	1. 1.0-1.5 fl oz/A 2. 1.5-2.4 fl oz/A	REI is 12 hours. PHI is 21 days. Do not allow livestock to graze treated forage or feed treated hay to livestock.
Dimethoate 4E Dimethoate	1B	Mexican bean beetle, spider mites, aphids, bean leaf beetle, leafhoppers	1.0 pt/A	REI is 48 hours. PHI is 21 days.
Dimilin 2L Diflubenzuron	15	1. Velvetbean caterpillar, green cloverworms 2. Grasshoppers 3. Beet armyworm, fall armyworm, soybean looper	1. 2.0-4.0 fl oz/A 2. 2.0 fl oz/A 3. 4.0 fl oz/A	DIMILIN is not effective in controlling grasshoppers once they reach the adult stage. Do not enter or allow worker entry into treated areas during the 12-hour REI. Do not make more than 2 applications per season. Do not apply within 21 days of harvest. Do not apply within 25 feet by ground or 150 feet by air of bodies of water. All applications must include a 25-foot vegetative buffer strip within the buffer zone to decrease runoff.

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# Soybean

## Seed and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
DiPel ES and several others <i>Bacillus thuringiensis</i> Cry toxin	11	Green cloverworm, velvetbean caterpillar, soybean looper, saltmarsh caterpillar	See product label	See product label.
Endigo ZC Lambda-cyhalothrin + Thiamethoxam	3A, 4A	1. Cabbage looper, corn earworm, corn rootworm beetle adults, cutworm spp., green cloverworm, Mexican bean beetle, painted lady (thistle) caterpillar, potato leafhopper, saltmarsh caterpillar, soybean aphid, thrips spp., velvet bean caterpillar, woollybear caterpillar 2. Armyworm, bean leaf beetle, brown marmorated stink bug, fall armyworm, grasshopper spp., stink bug spp. (except brown and red banded), Japanese beetle adult, sliverspotted skipper, webworm spp., yellowstriped armyworm 3. Brown stink bug, red banded stink bug	1. 3.5-4.0 fl oz/A  2. 4.0-4.5 fl oz/A  3. 4.5 fl oz/A	REI is 24 hours. PHI is 30 days. Allow at least 7 days between applications. Do not graze or harvest treated soybean forage, straw or hay for livestock feed. Do not apply this product within 45 days of planting if soybean seeds were treated with a neonicotinoid product. Do not exceed a total of 9.0 fl. oz of Endigo ZC or 0.06 lb a.i. of lambda-cyhalothrin containing products or 0.125 lb a.i of foliar applied thiamethoxam containing products per acre per growing season.
Fastac EC/CS Alpha-cypermethrin	3A	1. Painted lady (thistle) caterpillar, cutworm spp.  2. Caterpillar(s), bean leaf beetle, Japanese beetle, leafhopper, leafminer, Mexican bean beetle, potato leafhopper, soybean aphid, woollybear caterpillar 3. Grasshopper, looper spp., thrips, stink bugs spp., whitefly spp.	1. 1.3-3.8 fl oz/A  2. 2.8-3.8 fl oz/A  3. 3.2-3.8 fl oz/A	REI is 12 hours. PHI is 21 days. Do not make applications less than 7 days apart. Do not graze or harvest treated soybean forage, straw or hay for livestock feed. Do not apply more than 11.4 fl oz per acre per season. Do not use any products containing cypermethrin or zeta-cypermethrin during a crop season when using this product.
Gauch 600 Imidacloprid	4A	Seed corn maggot, soybean aphid, bean leaf beetle	1.6-3.2 fl oz per cwt of seed	Do not graze or feed livestock on soybean forage or hay.
Hero Zeta-cypermethrin + Bifenthrin	3A	1. Bean leaf beetle, cutworms, grasshoppers, green cloverworm, painted lady caterpillar 2. Armyworm, corn earworm, corn rootworm adult, dectes stem borer, looper, Japanese beetle, saltmarsh caterpillar, soybean aphid, stink bug, thrips, velvetbean caterpillar, webworm, woollybear caterpillar 3. Twospotted spider mite	1. 2.6-6.1 oz/A  2. 4.0-10.3 oz/A  3. 10.3 oz/A	REI is 12 hours. Do not make applications less than 30 days apart. Do not graze or harvest treated soybean forage, straw, or hay for livestock feed. PHI is 21 days.
Inovate Clothianidin	4A	1. Aphids, bean leaf beetle, leafhoppers, seed corn maggot, white grubs, wireworm	1. 4.74 fl oz/100 lb of seed	Do not graze or feed soybean forage and hay to livestock.
Intrepid 2F Methoxyfenozide	18	Armyworm, green clover worm, saltmarsh caterpillar, soybean looper, velvet bean caterpillar	4-8 fl oz/A	REI is 4 hours. Do not apply within 7 days of harvest of hay and forage or within 14 days of harvest of seed.
Justice Acetamiprid, bifenthrin	3, 4A	1. Aphid species, bean leaf beetle, leafhoppers, loopers (except soybean looper) 2. Armyworm species, soybean looper	1. 2.5-3.0 fl oz/A  2. 3.0-5.0 fl oz/A	REI is 12 hours. PHI is 30 days. No more than 2 applications per season. Do not graze or use cut forage or hay as animal feed.

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# Soybean

## Seed and Foliar Insecticides

Insecticide	Bean Leaf Beetle	Soybean Aphid	Grasshopper	Caterpillar
<b>Seed Treatment</b>				
Cruiser (various formulations)	X	X		
Gaucho 600	X	X		
Inovate	X	X		
Poncho/VOTIVO	X	X		
<b>Foliar Treatment</b>				
Alias 4F	X	X		
Ambush 2EC	X		X	X
Arctic 3.2EC	X		X	X
Asana XL	X	X	X	X
<i>Bacillus thuringiensis</i>				X
Baythroid XL	X	X	X	X
Belay	X	X		
Besiege	X	X	X	X
Cobalt/Cobalt Advanced	X	X	X	X
Declare	X	X	X	X
Delta Gold 1.5EC	X	X	X	X
Dimethoate 4E	X	X	X	
Dimilin 2L			X	X
Fastac EC/CS	X	X	X	X
Endigo ZC	X	X		X
Hero	X	X	X	X
Intrepid 2F				X
Justice	X	X		X
Lannate LV	X			X
Leverage 360	X	X	X	X
Nufos 4E	X	X	X	X
Prevathon			X	X
Proaxis	X		X	X
Radiant SC				X
Respect	X	X	X	X
Sevin XLR Plus	X		X	X
Stallion	X	X	X	X
Steed	X	X	X	X
Steward EC				X
Swagger	X	X	X	X
Tracer				X
Triple Crown	X	X	X	X
Warrior II with Zeon Technology	X	X	X	X

X = insecticide labeled for control against this pest.

# Soybean

## Seed and Foliar Insecticides (*continued*)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Lannate LV Methomyl	1A	1. Green cloverworm, velvetbean caterpillar 2. Soybean aphid 3. Beet armyworm, saltmarsh caterpillar, bean leaf beetle, fall armyworm, thrips	1. 0.40-0.75 pt/A 2. 0.5-1.0 pt/A 3. 0.75-1.0 pt/A	REI is 48 hours. PHI is 14 days for beans. PHI is 3 days for forage and 12 days for hay.
Leverage 360 Imidacloprid + Cyfluthrin	3A, 4A	Aphid, bean leaf beetle, cabbage looper, corn rootworm adult, cutworms, grasshopper, green cloverworm, Japanese beetle, saltmarsh caterpillar, corn earworm, stink bug, thrips (foliage feeding thrips only), velvetbean caterpillar, whiteflies (other than sweetpotato whitefly)	2.8 fl oz/A	REI is 12 hours. PHI for seed is 21 days, feeding of dry vines is 15 days. Green forage may be fed 15 days after last application. Minimum interval between applications is 7 days
Mustang Maxx Zeta-cypermethrin	3A	1. Painted lady caterpillar, saltmarsh caterpillar, cutworms 2. Alfalfa caterpillar, armyworm, yellowstriped armyworm, bean leaf beetle, corn earworm, corn rootworm beetle, green cloverworm, Japanese beetle, soybean aphid, velvetbean caterpillar, webworm, woollybear caterpillar 3. Beet armyworm, fall armyworm, grasshopper spp., looper spp., stink bug spp., whitefly spp.	1. 1.28-4.0 fl oz / A 2. 2.8-4.0 fl oz/A 3. 3.2- 4.0 fl oz/A	REI is 12 hours. Do not make applications less than 7 days apart. 21 day preharvest interval. Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.
Nufos 4E Chlorpyrifos	1B	1. Grasshopper, green cloverworm, velvetbean caterpillar, spider mites 2. Armyworms, bean leaf beetle, corn earworm, cutworms, saltmarsh caterpillar and other woollybears, soybean aphid, thistle caterpillar	1. 0.5-1.0 pt/A 2. 1.0-2.0 pt/A	REI is 24 hours. PHI is 28 days. 14 days between applications with a 6.0 pt maximum per season, 3 applications maximum per year. Do not allow meat or dairy animals to graze in treated areas or feed treated forage, hay, or straw to meat or dairy animals.
Poncho/VOTiVO Clothianidin	4A	Aphids, bean leaf beetle, seed corn maggot, white grubs, wireworm	0.13 mg/ai/seed	Do not graze or feed forage and hay to livestock.
Pounce 25 WP Permethrin	3A	1. Bean leaf beetle, cabbage looper, corn rootworm beetle, green cloverworm, Japanese beetle, saltmarsh caterpillar, woollybear caterpillar, thistle caterpillar, velvetbean caterpillar 2. Beet armyworm, corn earworm, soybean looper, webworms	1. 3.2-6.4 fl oz/A 2. 6.4-12.8 fl oz/A	REI is 12 hours. PHI is 60 days. Do not graze or feed soybean forage or hay.
Proaxis Gamma-cyhalothrin	3A	1. Bean leaf beetle, cabbage looper, corn earworm, cutworm spp., green cloverworm, painted lady caterpillar, saltmarsh caterpillar, soybean aphid, velvetbean caterpillar, woollybear caterpillar, corn rootworm beetle 2. Grasshopper, Japanese beetle, stink bug, webworm 3. Beet armyworm	1. 1.92-3.20 fl oz/A 2. 3.20-3.84 fl oz/A 3. 3.84 fl oz/A	REI is 24 hours. PHI is 45 days. Do not graze or harvest treated soybean forage, straw or hay for livestock feed.

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# Soybean

## Seed and Foliar Insecticides (continued)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Prevathon Chlorantraniliprole	28	1. Corn earworm, beet armyworm, fall armyworm, cabbage looper, green cloverworm, southern armyworm, soybean looper, tobacco budworm, velvetbean caterpillar 2. Grasshoppers	1. 14.0 -20.0 fl oz/ A  2. 8.0 – 20.0 fl oz/ A	REI is 4 hours. PHI is 1 day. Make no more than 4 applications per acre per crop. Do not apply more than 60 fl oz per acre per year. Minimum interval between treatments is 3 days.
Radiant SC Spinetoram	5	Corn earworm, cabbage looper, green cloverworm, saltmarsh caterpillar, soybean looper, true armyworm, velvetbean caterpillar	2.0-4.0 fl oz/ A	REI is 4 hours. PHI is 28 days.
Respect EC Zeta-cypermethrin	3A	1. Cutworm spp., painted lady caterpillar, saltmarsh caterpillar, cutworms 2. Alfalfa caterpillar, armyworm, yellowstriped armyworm, bean leaf beetle, corn earworm, corn rootworm beetle, green cloverworm, Japanese beetle, soybean aphid, velvetbean caterpillar, webworm, woollybear caterpillar 3. Beet armyworm, fall armyworm, grasshopper spp., looper spp., stink bug spp., whitefly spp.	1. 1.28-4.0 fl oz / A  2. 2.8-4.0 fl oz/ A  3. 3.2- 4.0 fl oz/ A	REI is 12 hours. PHI is 21 days. Do not make applications less than 7 days apart. Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.
Sevin XLR Plus Carbaryl	1A	1. Bean leaf beetle, green cloverworm, velvetbean caterpillar 2. Alfalfa caterpillar 3. Armyworm, cutworm, stink bugs, webworms 4. Painted lady caterpillar (thistle caterpillar), saltmarsh caterpillar, yellowstriped armyworm	1. 0.5-1.0 qt/ A  2. 1.0 qt/ A 3. 1.0-1.5 qt/ A  4. 1.5 qt/ A	REI is 12 hours. Do not apply within 14 days of grazing or harvest for forage, or within 21 days of harvest of seed or hay. Sevin XLR is registered for grasshopper control on many crops (multiple sites), including soybeans. Check label for more information.
Stallion Zeta-cypermethrin Chlorpyrifos	3A, 1B	1. Cutworm spp., painted lady (thistle) caterpillar, saltmarsh caterpillar 2. Bean leaf beetle, dectes stem borer, grasshopper spp., green cloverworm, Japanese beetle, soybean aphid, woollybear caterpillar 3. Stink bug spp.	1. 3.75-11.75 fl oz/ A  2. 5.0-11.75 fl oz/ A  3. 9.25-11.75 fl oz/ A	REI is 24 hours. PHI is 28 days. 14 days between applications, with no more than 3 applications per season. Do not allow meat or dairy animals to graze in treated areas or feed treated forage, hay or straw to meat or dairy animals.
Steed Zeta-cypermethrin Bifenthrin	3A	1. Cutworm spp., green cloverworm, painted lady (thistle) caterpillar 2. Armyworm spp., bean leaf beetle, corn earworm, corn rootworm adult, dectes stem borer adult, grasshopper spp., Japanese beetle adult, looper spp., saltmarsh caterpillar, soybean aphid, stink bug spp., velvetbean caterpillar, webworm	1. 2.5-3.5 fl oz/ A  2. 2.5-4.7 fl oz/ A	REI is 12 hours. PHI is 21 days. 30 days between applications, with no more than 28.1 fl oz/ A per season.
Steward EC Indoxacarb	22	Beet armyworm, cabbage looper, corn earworm, fall armyworm, green cloverworm, soybean looper, yellowstriped armyworm	4.6-11.3 fl oz/ A	REI is 12 hours. PHI is 21 days. Do not feed or graze livestock on treated fields.

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# Soybean

## Seed and Foliar Insecticides (*continued*)

Insecticide Active Ingredient	Mode of Action	Target Pest	Rate	Comments*
Swagger Bifenthrin and Imidacloprid	3A, 4A	Aphids, bean leaf beetle, cloverworm, corn earworm, corn rootworm beetle, cutworms, fall armyworm, grasshoppers, Japanese beetle adult, loopers, saltmarsh caterpillar, stink bugs, two-spotted spider mite, western bean cutworm, webworms, whitefly, yellow striped armyworm	7.6-12.2 fl oz/A	REI is 12 hours. Maximum of 2 applications per season. Minimum 30 day interval between applications. PHI is 18 days.
Tracer Spinosad	5	1. Green clover worm, soybean looper, true armyworm, velvet bean caterpillar 2. Fall armyworm, yellowstriped armyworm, beet armyworm, corn earworm, saltmarsh caterpillar	1. 1.0-2.0 fl oz/A 2. 1.5-2.0 fl oz/A	REI is 4 hours. PHI is 28 days. Do not apply more than a total of 6 fl oz per acre per year. Do not feed treated forage or hay to meat or dairy animals.
Triple Crown Clothianidin, Zeta-cypermethrin, and Bifenthrin	3, 4A	1. Bean leaf beetle, cutworms, green cloverworm, leafhopper, thistle caterpillar, soybean aphid 2. Dectes stem borer, grasshoppers, Japanese beetle adult, loopers, rootworm adult, stink bugs, woollybear caterpillar	1. 3.5-4.8 fl oz/A 2. 4.8 fl oz/A	REI is 12 hours. PHI is 21 days. Do not graze or harvest treated soybean forage, straw, or hay for livestock feed. Maximum 14.2 fl oz/A per season.
Warrior II with Zeon Technology Lambda-cyhalothrin	3A	1. Bean leaf beetle, cabbage looper, corn earworm, corn rootworm beetle, cutworm, green cloverworm, painted lady caterpillar, saltmarsh caterpillar, soybean aphid, thrips (except western flower thrip), velvetbean caterpillar, woollybear caterpillar 2. Fall armyworm, grasshopper, Japanese beetle adult, stink bug, webworm, yellowstriped armyworm	1. 0.96-1.60 fl oz/A 2. 1.60-1.92 oz/A	REI is 24 hours. Do not graze or harvest treated soybean forage, straw or hay for livestock feed. PHI is 30 days.
Zeal SC Etoxazole	10B	Two spotted spider mite (and any other Tetranychidae)	2.0-6.0 fl oz/A	Supplemental label expires on July 21, 2019. REI is 12 hours. Maximum 1 application per season. Do not apply after R5 stage. Do not graze treated soybean fields or feed treated forage or hay to livestock.

\*REI = Restricted Entry Interval    PHI = Preharvest Interval