

PEANUT INSECT CONTROL

Insect	Insecticide	Formulation/Acre	Lb ai/Acre	Acres/Gallon	Application/Comments	Restricted Entry Interval (hours)	Minimum Days From Last Application to Harvest
Thrips Treat with foliar insecticides when 25% of newly emerged leaflets show damage from thrips.	acephate Orthene 97	6-12 oz	0.375-0.75		DO NOT graze or feed vines treated with Orthene.	24	14 (of digging)
	gamma-cyhalothrin (R) Prolex/Declare 1.25 CS	1.02-1.54 oz	0.01-0.015	83-125		24	14
	imidacloprid Admire Pro 4.6F	7-10.5 fl oz			In-furrow application	12	14
	lambda-cyhalothrin (R) Karate Z 2.08 CS (See Generic Insecticides)	1.28-1.92 oz	0.02-0.03	66.6-100	DO NOT graze or feed vines treated with Karate.	24	14
	phorate (R) Thimet 20 G	5.5 oz/1,000 ft of row			DO NOT apply more than 7.5 lb/acre. DO NOT graze or feed treated hay or forage to livestock.	48	90
Threecornered Alfalfa Hopper	beta-cyfluthrin (R) Baythroid XL 1 EC	1.8-2.4 oz	0.014-0.019	53.3-71		12	14
	bifenthrin (R) Brigade 2 EC (See Generic Insecticides)	2.1-6.4 oz	0.033-0.1	20-60	DO NOT graze or feed treated hay or forage to livestock.	12	14
	carbaryl Sevin XLR or 4 F Sevin 80 S	1 qt 1.25 lb	1.0	4	DO NOT apply during bloom.	12	14
	esfenvalerate (R) Asana XL 0.66 EC (See Generic Insecticides)	2.9-5.8 oz	0.015-0.03	22-44	DO NOT graze or feed treated hay or forage to livestock.	12	21
	lambda-cyhalothrin (R) Karate Z 2.08 CS (See Generic Insecticides)	1.28-1.92 oz	0.02-0.03	66.6-100	DO NOT graze or feed vines treated with Karate.	24	14
Potato Leaf Hopper	acephate Orthene 97	0.77 lb	0.75		DO NOT graze or feed treated hay or forage to livestock.	24	14 (prior to digging)
	carbaryl Sevin XLR or 4 F Sevin 80 S	1 qt 1.25 lb	1.0	4	DO NOT apply during bloom.	12	14
	esfenvalerate (R) Asana XL 0.66 EC (See Generic Insecticides)	2.9-5.8 oz	0.015-0.03	22-44	DO NOT graze or feed treated hay or forage to livestock.	12	21
	gamma-cyhalothrin (R) Prolex/Declare 1.25 CS	0.77-1.28 oz	0.0075-0.0125	100-167		24	14

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Potato Leaf Hopper (cont.)	lambda-cyhalothrin (R) Karate Z 2.08 CS <i>(See Generic Insecticides)</i>	0.96-1.6 oz	0.015-0.025	80-133	DO NOT graze or feed treated hay or forage to livestock.	24	14
	methomyl (R) Lannate 2.4 LV	12 oz	0.35	10.6	DO NOT graze or feed treated hay or forage to livestock.	48	21
Cutworm	beta-cyfluthrin (R) Baythroid XL 1 EC	1.0-1.8 oz	0.008-0.014	71-128		12	14
	bifenthrin (R) Brigade 2 EC <i>(See Generic Insecticides)</i>	2.1-6.4 oz	0.033-0.1	20-60	DO NOT graze or feed treated hay or forage to livestock.	12	14
	carbaryl Sevin 80 S Sevin XLR or 4 F	2.5 lb 2 qt	2.0	2	Observe plant response precautions. DO NOT apply during bloom.	12	14
	esfenvalerate (R) Asana XL 0.66 EC <i>(See Generic Insecticides)</i>	5.8-9.6 oz	0.03-0.05	13.3-22.1	DO NOT exceed 0.15 lb ai per acre of Asana per season. DO NOT feed or graze vines treated with Asana.	12	21
	gamma-cyhalothrin (R) Prolex/Declare 1.25 CS	0.77-1.28 oz	0.0075-0.0125	100-166		24	14
	indoxacarb Steward 1.25 SC	9.2-11.3 oz	0.09-0.11	11-14		12	14
	lambda-cyhalothrin (R) Karate Z 2.08 CS <i>(See Generic Insecticides)</i>	0.96-1.6 oz	0.015-0.025	80-133	DO NOT exceed 0.12 lb ai per acre per season. DO NOT graze or feed vines treated with Karate.	24	14
	zeta-cypermethrin 0.8 EC (R) Mustang Maxx/Respect	1.28-4.0 oz	0.008-0.025	32-100	DO NOT graze or feed treated hay or forage to livestock.	12	7
Corn Earworm Consider treatment when total worms exceed 4 per row foot and foliage loss exceeds 15%.	beta-cyfluthrin (R) Baythroid XL 1 EC	1.8-2.4 oz	0.014-0.019	53.3-71	In recent years, pyrethroids have shown reduced efficacy and can be expected to provide poor to moderate control.	12	14
	bifenthrin (R) Brigade 2 EC <i>(See Generic Insecticides)</i>	2.1-6.4 oz	0.033-0.1	20-60	DO NOT graze or feed treated hay or forage to livestock.	12	14
	carbaryl Sevin 80 S Sevin XLR or 4 F	1.25-1.9 lb 2-3 pt	1.0-1.5	2.7-4.0	DO NOT apply during bloom.	12	14
	esfenvalerate (R) Asana XL 0.66 EC <i>(See Generic Insecticides)</i>	2.9-5.8 oz	0.015-0.03	22.1-44.1	DO NOT exceed 0.15 lb ai per acre of Asana per season. DO NOT feed or graze vines treated with Asana.	12	21
	flubendiamide Belt 4 SC	2-4 oz	0.0625-0.125	32-64		12	3

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Corn Earworm	gamma-cyhalothrin (R) Prolex/Declare 1.25 CS	1.02-1.54 oz	0.01-0.015	83-125		24	14
	indoxacarb Steward 1.25 SC	9.2-11.3 oz	0.09-0.11	11-14		12	14
	lambda-cyhalothrin (R) Karate Z 2.08 CS (See Generic Insecticides)	1.28-1.92 oz	0.02-0.03	66.6-100	DO NOT exceed 0.12 lb ai per acre of Karate per season. DO NOT feed or graze vines treated with Karate.	24	14
	lambda-cyhalothrin + chlorantraniliprole (R) Besiege 1.25 SC	6-10 oz	0.06-0.1	12.8-21.3			14
	methomyl (R) Lannate 2.4 LV	0.75-3 pt	0.22-0.9	2.6-10.6	DO NOT feed or graze livestock on treated vines.	48	21
	methoxyfenozide + spinetoram Intrepid Edge 3 F	4-8 oz	0.0975-0.187	16-32	DO NOT feed or graze vines treated with Intrepid Edge.		7
	zeta-cypermethrin 0.8 EC (R) Mustang Maxx/Respect	3.2-4.0 oz	0.02-0.025	32-40	DO NOT feed or graze livestock on treated vines.	12	7
Beet Armyworm Consider treatment when total worms exceed 4 per row foot and foliage loss exceeds 15%.	flubendiamide Belt 4 SC	2-4 oz	0.0625-0.125	32-64		12	3
	indoxacarb Steward 1.25 SC	9.2-11.3 oz	0.09-0.11	11-14		12	14
	lambda-cyhalothrin + chlorantraniliprole (R) Besiege 1.25 SC	10 oz	0.1	12.8			14
	methomyl (R) Lannate 2.4 LV	1.5-3.0 pt	0.45-0.9	2.7-5.3	Up to 8 applications of Lannate per season. DO NOT graze or feed vines treated with Lannate.	48	21
	methoxyfenozide Intrepid 2 F	6-10 oz	0.09-0.16	12.8-21.3		4	7
	methoxyfenozide + spinetoram Intrepid Edge 3 F	4-8 oz	0.0975-0.187	16-32	DO NOT feed or graze vines treated with Intrepid Edge.		7
	spinosad Blackhawk	1.7-3.3 oz	0.038-0.075			4	3 (nuts) 14 (forage)
Fall Armyworm Consider treatment when total worms exceed 4 per row foot and foliage loss exceeds 15%.	carbaryl Sevin XLR or 4 F Sevin 80 S	1.0-1.5 qt 1.25-1.875 lb	1.0-1.5	2.7-4.0	DO NOT apply during bloom.	12	14
	flubendiamide Belt 4 SC	2-4 oz	0.0625-0.125	32-64		12	3

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Fall Armyworm (cont.) Consider treatment when total worms exceed 4 per row foot and foliage loss exceeds 15%.	indoxacarb Steward 1.25 SC	9.2-11.3 oz	0.09-0.11	11-14		12	14
	lambda-cyhalothrin + chlorantraniliprole (R) Besiege 1.25 SC	6-10 oz	0.06-0.1	12.8-21.3			14
	methomyl (R) Lannate 2.4 LV	0.75-3 pt	0.22-0.9	2.6-10.6	DO NOT apply more than 3.6 lb ai per acre of Lannate per season. DO NOT feed vines after treatment with Lannate.	48	21
	methoxyfenozide + spinetoram Intrepid Edge 3 F	4-8 oz	0.0975-0.187	16-32	DO NOT feed or graze vines treated with Intrepid Edge.		7
	spinosad Blackhawk	1.7-3.3 oz	0.03-0.05	38.8-75		4	3 (nuts) 14 (forage)
Velvetbean Caterpillar Consider treatment when total foliage loss exceeds 15% and worms are present.	carbaryl Sevin 80 S Sevin XLR or 4 F	1.25 lb 2 pt	1	4	DO NOT apply during bloom.	12	14
	beta-cyfluthrin (R) Baythroid XL 1 EC	1.0-1.8 oz	0.008-0.014	71-128		12	14
	bifenthrin (R) Brigade 2 EC (See <i>Generic Insecticides</i>)	2.1-6.4 oz	0.033-0.1	20-60	DO NOT feed or graze livestock on treated vines.	12	14
	esfenvalerate (R) Asana XL 0.66 EC (See <i>Generic Insecticides</i>)	2.9-5.8 oz	0.015-0.03	22-44	DO NOT exceed 0.15 lb ai per acre of Asana per season. DO NOT feed or graze livestock on treated vines.	12	21
	flubendiamide Belt 4 SC	2-4 oz	0.0625-0.125	32-64		12	3
	gamma-cyhalothrin (R) Prolex/Declare 1.25 CS	0.77-1.28 oz	0.0075-0.0125	100-166		24	14
	lambda-cyhalothrin (R) Karate Z 2.08 CS (See <i>Generic Insecticides</i>)	0.96-1.6 oz	0.015-0.025	80-133	DO NOT exceed 0.12 lb ai per acre of Karate per season. DO NOT feed or graze livestock on vines treated with Karate.	24	14
	lambda-cyhalothrin + chlorantraniliprole (R) Besiege 1.25 SC	6-10 oz	0.06-0.1	12.8-21.3			14
	methoxyfenozide + spinetoram Intrepid Edge 3 F	4-8 oz	0.0975-0.187	16-32	DO NOT feed or graze vines treated with Intrepid Edge.		7
	zeta-cypermethrin 0.8 EC (R) Mustang Maxx/Respect	3.2-4.0 oz	0.02-0.025	32-40	DO NOT feed or graze livestock on treated vines.	12	7

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Red-Necked Peanut Worm Treat when 50% of plants are infested.	bifenthrin (R) Brigade 2 EC <i>(See Generic Insecticides)</i>	2.1-6.4 oz	0.033-0.1	20-60	DO NOT feed or graze livestock on treated vines.	12	14
	esfenvalerate (R) Asana XL 0.66 EC <i>(See Generic Insecticides)</i>	2.9-5.8 oz	0.015-0.03	22-44	DO NOT exceed 0.15 lb ai per acre of Asana per season. DO NOT feed or graze livestock on treated vines.	12	21
	flubendiamide Belt 4 SC	2-4 oz	0.0625-0.125	32-64		12	3
	gamma-cyhalothrin (R) Prolex/Declare 1.25 CS	0.77-1.28 oz	0.0075-0.0125	100-166		24	14
	lambda-cyhalothrin (R) Karate Z 2.08 CS <i>(See Generic Insecticides)</i>	0.96-1.6 oz	0.015-0.025	80-133	DO NOT exceed 0.12 lb ai per acre of Karate per season. DO NOT feed or graze livestock on vines treated with Karate.	24	14
	lambda-cyhalothrin + chlorantraniliprole (R) Besiege 1.25 SC	6-10 oz	0.06-0.1	12.8-21.3			14
	methoxyfenozide + spinetoram Intrepid Edge 3 F	4-8 oz	0.0975-0.187	16-32	DO NOT feed or graze livestock on vines treated with Intrepid Edge.		7
	zeta-cypermethrin 0.8 EC (R) Mustang Maxx/Respect	3.2-4.0 oz	0.02-0.025	32-40	DO NOT feed or graze livestock on treated vines.	12	7
Lesser Cornstalk Borer, Southern Corn Rootworm	chlorpyrifos Lorsban 15 G at planting	7.5-15 oz banded/ 1,000 row feet	1-2		DO NOT apply more than 15 oz per 1,000 feet of row or 13.6 lb per acre of Lorsban per crop season. For banded applications, use a 10" to 18" band. If banding on row spacings other than 36", use 14.7 oz per 1,000 linear feet. DO NOT feed or graze livestock on treated vines.	24	21
	Lorsban 15 G post planting	7.5-15 oz/1,000 row feet in 10"-18" band over fruiting zone					
	lambda-cyhalothrin + chlorantraniliprole (R) Besiege 1.25 SC	10 oz	0.1	12.8			14
Spider Mite	bifenthrin (R) Brigade 2 EC <i>(See Generic Insecticides)</i>	5.12-6.4 oz	0.08-0.1	25-60	DO NOT feed or graze livestock on treated vines.	12	14
	propargite Comite Omite 30 W	2 pt 3-5 lb	1.64 0.9-1.5	4	DO NOT apply Comite more than twice per season. DO NOT graze or feed livestock on treated areas or cut treated forage for hay. When temperatures are greater than 90 degrees F with high humidity, some leaf phytotoxicity may occur. Use minimum 20 gal water by ground, 5 gal by air.	48	14