

Insecticide Treatment Options for Spider Mite in Soybean

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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; 1B = Organophosphates
- Group 3 = Sodium channel modulators
- Group 4 = Nicotinic acetylcholine receptor agonists/antagonists; 4A = Neonicotinoids
- Group 6 = Glutamate-gated chloride channel allosteric modulators
- Group 10 = Mite growth inhibitors; 10B = Etoxazole

R = Restricted-Use Product

Mode Of Action	Product Name	Common Name	Rate (Formulation/Acre)	Restrictions/Comments
6 R	Agri-Mek SC	abamectin	1.75 – 3.5 fl oz	PHI 28 days. Must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant.
3, 28 R	Besiege	lambda-cyhalothrin, chlorantraniliprole	10 fl oz	Suppression only. PHI 30 days. Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.
3 R	Brigade 2EC, Fanfare 2EC	bifenthrin	5.12-6.4 fl oz	PHI 18 days.
3 R	Capture LFR	bifenthrin	6.8 – 8.5 fl oz	Do not make applications less than 30 days apart.

				PHI 18 days.
1B, 3 R	Cobalt	chlorpyrifos and cyhalothrin	13 - 26 fl oz	PHI 30 days. Maximum allowed per crop season is 85 fl oz/acre. Do not allow meat or dairy animals to graze in treated areas or feed treated soybean forage, hay, and straw to meat or dairy animals.
1B, 3 R	Cobalt Advanced	chlorpyrifos and lambda-cyhalothrin	11 - 26 fl oz	PHI 30 days. Maximum allowed per crop season is 85 fl oz/acre. Do not allow meat or dairy animals to graze in treated areas or feed treated soybean forage, hay, and straw to meat or dairy animals.
1B	Dimethoate 400	dimethoate	1 pt	PHI 21 days. Maximum application rate is 0.5 lb/acre. 7 day reapplication interval.
3, 4A R	Endigo ZC	lambda-cyhalothrin and thiamethoxam	3.5 - 4.0 fl oz	PHI 30 days. Do not exceed a total of 9.0 fl oz per acre per growing season. Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.
3A R, 44 (fungicide)	Ethos XB	bifenthrin, (<i>B. amyloliquefaciens</i>)	6.8 – 8.5 fl oz	Do not make applications less than 30 days apart. PHI 18 days.
3 R	Hero	zeta-cypermethrin and bifenthrin	10.3 oz	PHI 21 days. Do not make applications less than 30 days apart. Do not graze or harvest treated soybean forage, straw, or hay for livestock feed.
1B R	Lorsban Advanced, Nufos 4E	chlorpyrifos	0.5 - 1 pt	PHI 28 days. Do not apply more than 3 applications of Lorsban Advanced or other product containing chlorpyrifos per year. Limit 6 pints per acre per season. Do not make a second application of Lorsban Advanced within 14 days of the first application. Do not allow meat or dairy animals to graze in treated areas or otherwise feed treated soybean forage, hay, and straw to meat or dairy animals.
1B R	Methyl 4 EC	methyl parathion	0.75 - 1 pt	PHI 20 days for harvest and grazing. Do not make more than 2 applications per year.
3 R	Proaxis	gamma-cyhalothrin	3.84 fl oz	Suppression only. PHI 45 days. Do not graze or

				harvest treated soybean forage, straw, or hay for livestock feed.
3A, 4A R	Swagger	bifenthrin and imidacloprid	7.6 - 12.2 fl oz	PHI 18 days. Minimum interval between applications: 30 days. Apply a maximum of 2 applications per season.
1B, 3 R	Tundra Supreme	chlorpyrifos and bifenthrin	13.5 - 16.8 fl oz	PHI 28 days. Do not allow meat or dairy animals to graze in treated areas or otherwise feed treated soybean forage, hay and straw to meat or dairy animals.
3 R	Warrior w/ Zeon Technology, Silencer	lambda-cyhalothrin	3.84 fl oz	Suppression only. PHI 30 days. Do not graze or harvest treated soybean forage, straw or hay for livestock feed.
3 R	Warrior II w/ Zeon Technology	lambda-cyhalothrin	1.92 fl oz	Suppression only. PHI 30 days. Do not graze or harvest treated soybean forage, straw or hay for livestock feed.
10B R	Zeal SC	etoxazole	2 - 6 fl oz	Supplemental label expires on July 21, 2019. Do not apply after R5 stage.