



Bulletin

Extension

Control of Insect Pests of Field Crops

Bulletin 545-07

POTATO LEAFHOPPER ON ALFALFA

Following is a listing of insecticide products labeled for control of potato leafhopper on alfalfa. Also listed in this section is information about formulation and rates of chemicals for specific pests. An asterisk (*) indicates that the use is restricted to certified applicators.

Pest	Product Name (Common Name)	Amount per Acre	Pre-Harvest Interval (days)	When to Treat
Potato Leafhopper	Ambush* 25W (permethrin)	3.2 - 12.8 fl. oz.	0 - 14	Treatment for PLH is justified when the number of leaf-hoppers collected/10 sweeps is greater than the height of the alfalfa in inches. The PLH threshold should be increased 3 times for those varieties rated greater than 50 percent PLH resistant after the stand is established. For additional information see Fact Sheet FC-ENT-0033.
	Arctic* 3.2 EC (permethrin)	4 - 8 fl. oz	0 - 14	
	Baythroid* (cyfluthrin)	0.8 - 1.6 fl. oz. (2 or XL)	7	
	Carbaryl (carbaryl)	1 qt. 4L or 1 ¼ lb. 80S	7	
	Chlorpyrifos* (chlorpyrifos)	1 - 2 pt. 4E AG	14 - 21	
	Dimethoate (dimethoate)	¾ - 1 ½ pt. 2.67	10	
		½ - 1 pt. 400 or 4EC	10	
		½ - 1 pt. Dimate 4EC	10	
	Furadan* 4F (carbofuran)	1 - 2 pt.	14 - 28	
	Imidan 70-W (phosmet)	1 - 1 ½ lb.	7	
	Lorsban* 4E (chlorpyrifos)	½ - 1 pt.	7 - 14	
	Malathion (malathion)	1 ½ - 2 pt. 5EC	0	
		1 ½ - 2 ¼ pt. 57 EC	0	
		1 - 2 pt. (8)	0 - 7	
	Mustang MAX* (zeta-cypermethrin)	2.24 - 4 fl. oz.	3	
Nufos* 4E (chlorpyrifos)	½ - 1 pt.	7 - 14		
Permethrin* 3.2 EC (permethrin)	4 - 8 oz.	0 - 14		
Pilot* 4E (chlorpyrifos)	½ - 1 pt.	7 - 14		
Pounce* (permethrin)	4 - 8 fl. oz. 3.2 EC	0 - 14		
	6.4 - 12.8 oz. 25 WP	0 - 14		

Pest	Product Name (Common Name)	Amount per Acre	Pre-Harvest Interval (days)	When to Treat
Potato Leafhopper (cont.)	Proaxis* (gamma-cyhalothrin)	1.92 - 3.20 fl. oz.	7	
	Sevin (carbaryl)	1 qt. 4F or XLR PLUS 1¼ lb. 80S	7 7	
	Silencer* (lambda-cyhalothrin)	1.92 - 3.20 fl. oz.	7	
	Steward EC (indoxacarb)	9.2 - 11.3 fl. oz.	7	
	Taiga Z* (lambda-cyhalothrin)	1.92 - 3.20 fl. oz.	7	
	Warhawk* (chlorpyrifos)	½ - 1 pt.	7 - 14	
	Warrior* (lambda-cyhalothrin)	1.92 - 3.20 fl. oz.	7	
	Yuma* 4E (chlorpyrifos)	½ - 1 pt.	7 - 14	