

Alfalfa Weevil Insecticide Efficacy Grades - 2023

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This Grade Chart represents the average Insecticide Efficacy Grade against alfalfa weevil larvae from experiments conducted in the Palo Verde Valley over the past five years, with applications being approximately 18-20 gallons/acre to ensure excellent foliar coverage. Some products and rates are represented by only a single data point, while others have multiple year/rates of data. Data shown are from experiments which had weevil larvae numbers at or above economic threshold levels, providing high confidence in data. Changes have been noted during this time in pyrethroid insecticide products due to the development of insecticide resistance in area alfalfa weevils.

Grade relationship to percent control		
A+ = 97-100	A = 94-97	A- = 90-94
B+ = 87-89.9	B = 84-87	B- = 80-84
C+ = 77-79.9	C = 74-77	C- = 70-74
D+ = 67-69.9	D = 64-67	D- = 60-64
F+ = 57-59.9	F = 54-57	F- = 50-54
<F = less than 50% reduction compared to untreated check		

Insecticide and oz. /acre	3-4 days post treatment	6-8 Days post treatment	9-10 days post treatment	13-16 days post treatment
Besiege 5.0	D-	D	F	F
Besiege 10.0	C-	D+	F-	F+
Beta-cyfluthrin 2.8	F+		C-	D
Dimethoate 8.0	<F	<F		<F
Dimethoate 16.0	D-	<F		F
Entrust 4.0	C-	F		
Fastac CS 3.8	<F		<F	<F
Malathion 8 12.0	D-	F+		<F
Prevathon 14.0	D	D-	<F	F
Prevathon 20.0	F+	C-	D-	D-
Sevin XLR Plus 32.0	<F	<F		<F
Sevin XLR Plus 48.0	<F	<F		<F
Steward EC 4.0	B		A	B+
Steward EC 6.0	B		A	A+
Steward EC 6.7	A	A	A+	A
Vantacor 1.25	D-	<F	<F	F+
Vantacor 2.5	D	D	D-	D
Warrior II 1.28	D+	F-		D-
Warrior II 1.92	F	F	F+	F
Dimethoate 8.0 + Sevin XLR Plus 32.0	D+	<F		<F
Dimethoate 16.0 + Sevin XLR Plus 48.0	D	D-		F+
Sevin XLR Plus 32.0 + Warrior II 1.28	B-	D+		B
Sevin XLR Plus 48.0 + Warrior II 1.92	B-	B		B

