

Pecan Insecticides 2008 by Bob Whitney, Extension Agent-Agriculture and Natural Resources, Texas AgriLife Extension

Chemical Name³	Common Names	Rate Per Acre	Insects Controlled	Cost Per Acre²
Cypermethrin 3	Ammo, UP-Cyde, Battery, others	3-5 oz./Ac	Hickory Shuckworm, Yellow Aphid, Casebearer, Weevil, Black Aphid	3.18 - 5.30
Esfenvalerate 3	Asana, Adjourn	4.8-14.5 oz./Ac	Weevil, Shuckworm, Pecan Aphid, Casebearer, Spittlebug, Stem and Leaf Phylloxera	3.65-11.02
Bifenthrin 3	Brigade	0.5-2.0 lbs/Ac	Black Aphid, Shuckworm, Nut and Leaf Casebearer, Phylloxera, Stink Bug, Yellow Aphid, Fire Ants	16.5-66.00
Bifenthrin 11.25% 3 + Zeta-cypermethrin 3.75% 3	Hero	10.3 oz./Ac	Casebearer, Black Aphid, Yellow Aphid, Shuckworm, Weevil	
Thiamethoxam 4A	Centric 40WG	2-2.5 oz./Ac	Yellow Aphid, Phylloxera, Black Aphid	9.64-12.05
Chlorpyrifos 1B	Many Brand Names	1.5-4 pts./Ac	Casebearer, Webworm, Phylloxera, Black Aphid, Shuckworm, Fire Ants, Scorch Mite	6.00-16.00
Chlorpyrifos 30% 1B + Gamma-Cyhalothrin 0.54% 3	Cobalt	19-57 oz./Ac	Black Margined Aphid, Yellow Aphid, Casebearer, Fall Webworm, Ants, Black Aphid, Shuckworm, Leaf and Stem Phylloxera, Spittlebug, Stink Bugs, Suppression of Leaf Scorch Mite (26-57 oz)	
Tebufenozide 18A	Confirm	8-16 oz./Ac	Casebearer, Shuckworm, Webworm, Walnut Caterpillar	11.68-23.36
Diflubenzuron 15	Dimilin	8-16 oz./Ac	Casebearer, Shuckworm, Webworm, Walnut Caterpillar	15.20 - 30.40
Endosulfan 2A	Many	1.33 - 2 pts/Ac	Black Aphid, Casebearer, Spittlebug, Phylloxera	6.15 - 9.25
Spinosad 5	Entrust ¹	1.25-3 oz./Ac	Webworm, Shuckworm, Casebearer, Walnut Caterpillar	25.83-61.98
	Spintor	4-10 oz./Ac	Webworm, Shuckworm, Casebearer, Walnut Caterpillar	17.66-44.14
	Success	4-10 oz./Ac	Webworm, Shuckworm, Casebearer, Walnut Caterpillar	
Pymetrozine 9B	Fulfill	4 oz./Ac	Yellow Aphid, Black Aphid, Black Margined Aphid	22.28
Methoxyfenozide 18A	Intrepid	4-8 oz./Ac	Casebearer, Shuckworm, Webworm, Walnut Caterpillar	7.50 - 15.00
Phosmet 1B	Imidan	2-3.125 lbs./Ac	Black Aphid, Webworm, Shuckworm Casebearer, Weevil, Stink Bug, Spittlebug	15.50 - 24.22
Dimethoate 1B	Dimethoate	2/3 pt/ac	Aphids, Leafhoppers, Mites	

¹Approved Organic Pesticides

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Imadacloprid 4A Many Brand Names	Merit	2 oz./Ac	Yellow Aphid, Black Margined Aphid, Phylloxera, Spittlebug	Merit-44.56
	Provado	3.5-7 oz./Ac	Yellow Aphid, Black Margined Aphid, Phylloxera, Spittlebug	13.89-27.77
	Admire	16-32 oz./Ac	Yellow Aphid, Black Margined Aphid, Phylloxera, Spittlebug, soil application only	79.25-158.50
	Couraze 1.6	3.5-8 oz./Ac	foliar only - Yellow Aphid, Leafhoppers, Phylloxera, Spittlebug, Black Margined Aphid	
	Couraze 2F Admire Pro	16-32 oz./Ac 7-14 oz./Ac	soil applied for Spittlebug, leafhopper, and Aphid Species	
Zeta-Cypermethrin 3	Mustang Max	2.56-4 oz./Ac	Black Aphid, Shuckworm, Casebearer, Weevil, Yellow Aphid	4.30 - 6.72
Carbaryl 1A	Carbaryl, Sevin, others	Depends on product Sevin 80S rate is 2.5 - 6.25 lbs/Ac	Black Margined Aphid, Webworm, Shuckworm, Leaf and Stem Phylloxera, Casebearer, Spittlebug, Weevil, Walnut Caterpillar	Sevin 80S 12.50-31.52
¹ Azadirachtin 18B	Neemix, others	4-16 oz./Ac	Most pecan pests but control is erratic	4.10-16.39
Pyridaben 21	Nexter	5.2-10.67 oz./Ac	Yellow Aphid, Black Margined Aphid	35.52-72.88
Methyl Parathion 1B	Penncap-M	2-8 pts./Ac	Stink Bug, Weevil, Shuckworm, Casebearer	7.12-28.48
Gamma-cyhalothrin 3	Proaxis	2.56-5.12 oz./Ac	Shuckworm, Aphid, Casebearer, Phylloxera, Spittlebug, Weevil	5.60-11.20
Lambdacyhalothrin 3	Warrior with Zeon Karate with Zeon	2.56-5.12 oz./Ac	Shuckworm, Aphid, Casebearer, Phylloxera, Spittlebug, Weevil, Stink Bug	5.61-11.21
Lambdacyhalothrin 9.48% 3 + Thiamethron 12.6% 4A	Endigo ZC	3 - 5.5 oz./Ac	Black Aphid, Black Margined Aphid, Yellow Aphid, Shuckworm, Casebearer, Phylloxera, Spittle Bug, Stink Bugs, Weevil	
Malathion 1B	Fyfanon, Malathion	2.5-12.5 pts./Ac	Aphid, Casebearer, Mite, Phylloxera	6.63-33.13
¹ Bacillus thuringiensis 11B2	Many Names	.25 - 4 lbs/Ac	Walnut Caterpillar, Fall Webworm, Casebearer	2.38-38.00

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Aldicarb 1A	Temik	20-33 lbs/Ac at nut set followed by 17-20 lbs/Ac by July 15	Aphid, Early and Late Season Mites Temik is for soil application only	65.11-256.61
Dicofol UN	Kelthane	4 pt/Ac	Pecan Leaf Scorch Mite MAX 2 Applications/Year	
Beta-Cyfluthrin 3	Baythroid	2-2.8 oz/Ac	Casebearer, Stinkbugs, Shuckworm MAX 2.8 oz/Ac/Season	
Cyfluthrin 3	Many	2-2.8 oz/Ac	Shuckworm, Casebearer, Weevil, Stinkbugs MAX 2.8 oz/Ac/Season	
Spinetoram 5	Delegate WG	3-7 oz./Ac	Walnut Caterpillar, Casebearer, Shuckworm, Webworm	
Spirodiclofen 23	Envidor 2SC	14-18 oz./Ac	Leaf Scorch Mite	

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This list of pecan insecticides does not contain every insecticide approved for pecans but is merely used as an educational tool. Trade names of commercial products used in this report are included only for better understanding and clarity. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Texas A&M University System is implied.