

Table 1.

Pecan Spray Schedule

Time of Spray	Pesticide	To Control
First Pre-pollination (approx. April 1)	Thiodan 50WP, Phaser, Lorsban 4E, Provado 1.6F, Spintor 2SC, Thionex, Warrior	Leaf Casebearer, Phylloxera
Second Pre-pollination (approx. April 15)	<i>Bacillus thuringiensis</i> , Confirm 2F, Guthion 25 or 2L, Imidan, Thionex	Fall Webworm/Walnut Caterpillar, Nut Casebearer
	Lorsban 4E, Provado 1.6F, Thionex	Phylloxera
Remarks: Increase volume per tree as foliage grows. Alternation of insecticide throughout season is suggested to avoid outbreak of secondary pests. Use new nut casebearer pheromone traps to monitor adult emergence.		
First cover (approx. May 1)	<i>Bacillus thuringiensis</i>	Fall Webworm/Other Caterpillars
	Ammo 2.5E, Asana XL 0.66EC, Brigade, Dimethoate, Lorsban 4E, Mustang Max, Provado 1.6F, Thionex	Aphids, Mavrik only on non-bearing trees
	Acramite, Dicofol 4E, Hexygon, Kelthane MF, Savey, Vendex 50WP, Zeal	Mites
	Centric, Guthion 50WP, Lorsban 4E, Phaser, Provado 1.6F, Thionex, Warrior	Spittlebugs
Remarks: Spray for aphids and mites only if numbers avg. more than 50 per compound leaf, if sprayed previously for nut casebearer, do not repeat. Spittlebugs may occur on terminals or nut clusters. Pyrethroids should be used only in combination with Lorsban 4E. Use not more than 2 applications of a pyrethroid.		
Second cover (approx. May 21)	See first cover.	Aphid, Mites, Spittlebug
Remarks: Combinations of insecticides tank mixed may be necessary to control all pests present.		
Third cover (approx. June 15)	See first cover.	Mites
Remarks: Check nuts for shuckworm damage. Spray either Lorsban 4E, Confirm, Guthion 50WP, Imidan 50WP, Cymbush 3E, or Ammo 2.5 EC if present. Confirm has least effects on beneficials.		
Fourth cover (approx. July 7)	See first cover.	Aphid, Mites
	Ammo 2.5E, Asana XL 0.66EC, Confirm 2F, Guthion 25 or 2L, Imidan 70WP, Lorsban 4E, Mustang Max, Spintor 2SC, Warrior	Hickory Shuckworm
	Carbaryl, Sevin 80S	Weevil

	<i>Bacillus thuringiensis</i> , Malathion 25WP	Fall Webworm/Walnut Caterpillar
Remarks: Apply second and third shuckworm spray at 2 wk intervals after first spray. Methomyl is effective against low weevil populations only.		
Fifth cover (approx. July 30)	See fourth cover.	Aphid, Mites, Hickory Shuckworm, Weevil
Remarks: Aphids and mites may build up if Sevin is used for weevils. Monitor and spray if numbers of aphids exceeds avg. of 30 per compound leaf. Sample randomly throughout the orchard.		
Sixth cover (approx. Aug. 15)	See fourth cover.	Mites, Aphid, Hickory Shuckworm, Weevil
Remarks: Aphids and mites should be controlled (less than 30 per compound leaf) as necessary in late season. Foliage should remain on trees until frost. Follow preharvest intervals as indicated by label for specific pesticides. Only products containing carbaryl will provide adequate control of pecan weevil when high populations are present. Carbaryl will eliminate most beneficials and may cause outbreaks of aphids or mites.		
Seventh cover (approx. Aug.-harvest)	Ammo, Centric, Imidan 70WSP, Provado, Warrior	Plant and Stink Bugs
Remarks: Plant and stink bugs can enter the orchard and begin feeding on nuts at anytime. Drought conditions in late season may lead to stink bug population buildup. Spray when 1 stink bug is found per 40 terminals.		