

MATERIALS AND RATES RECOMMENDED FOR
CONTROL OF PECAN PESTS

ZINC

<u>MATERIAL AND FORMULATION</u>	<u>RATE PER 100 GAL. WATER UNLESS OTHERWISE STATED</u>	<u>REMARKS</u>
Zinc sulfate 78%	2 - 3 lbs.	In far West Texas, zinc sulfate absorption can be increased by adding 3 pts. of a 32% liquid nitrogen per 100 gal. of water. Do not use at higher strengths, since foliage burn results.
NZN liquid	1 ¼ pts.	

FUNGICIDES

<u>MATERIAL AND FORMULATION</u>	<u>RATE PER 100 GAL. WATER UNLESS OTHERWISE STATED</u>	<u>REMARKS</u>
benomyl (Benlate®) 50% W.P.	ground: ½ - 1 lb. per acre aerial : 1 lb. per acre	Used at the rate of ½ lb. per acre on small trees and 1 lb. per acre on trees greater than 30 ft. in height
dodine (Cyprex®) 65% W.P.	ground: ½ -1 lb. aerial: 2 - 4 lbs./ 20 gals. water	May cause foliage burn on Moore and Burkett varieties when used with Guthion
Triphenyltin hydroxide (Du-Ter®) 47% W.P. (Super-Tin®)	ground: 3.2 - 9.6 oz. aerial : ¾-1 ½ lbs./ 20 gals. water ground: 3 - 9 fl. oz. aerial: 11.4 - 22.8 fl. oz. / 20 gals. water	Sprays should begin at pre-pollination. Do not graze dairy or meat animals in treated groves. Do not apply after shucksplit. Do not use surfactants, spreaders or stickers.
Topsin-M®	ground: ½-1 lb. per acre aerial: 1 lb. per acre	Use higher rate for trees over 30 feet. Begin when leaves begin to show in spring. Do not apply after shucksplit.

INSECTICIDES

<u>MATERIAL AND FORMULATION</u>	<u>RATE PER 100 GAL. WATER UNLESS OTHERWISE STATED</u>	<u>REMARKS</u>
azinphosmethyl (Guthion®) 50% W. P. 22.2% EC (2L)	¾ - 1 ⅛ lbs. 1 ½ - 2 ¼ pts	Do not apply after shucksplit. Do not graze livestock in treated groves 21 days after treatment.

INSECTICIDES (cont.)

<u>MATERIAL AND FORMULATION</u>	<u>RATE PER 100 GAL. WATER UNLESS OTHERWISE STATED</u>	<u>REMARKS</u>
carbaryl (Sevin®) 80% sprayable	2 - 3 lbs.	Do not apply after shucksplit.
dialifor (Torak® P) 40.5% E.C.	1 pt.	Do not apply more than 12 lbs. (24 pts.) per acre per season. Do not apply after shucksplit. Do not graze livestock in treated areas. Do not feed treated cover crops to livestock or poultry.
diazinon 48% E.C.	1-3 qts./ acre	Do not apply after shucksplit.
dimethoate (Cygon® or De-Fend®) 30.5% E.C.	1 pt.	Do not graze livestock in treated groves. Apply only with ground equipment.
dormant oil 97% oil emulsion	3 ½ gal.	For phylloxera, spray tree trunk and branches with dormant oil emulsion.
EPN 25% W.P.	2 lbs.	Do not graze livestock in treated grove.
fenvalerate (Pydrin® 2.4% E.C.)	5.3-16 oz./acre	Do not graze livestock on treated orchard floors. Do not exceed 4 sprays per season.
Imidan® 50% W.P.	1 ½ lbs.	Do not apply within 14 days of harvest. Do not graze livestock on cover crops grown in treated groves.
phosalone (Zolone®) 34.4% E.C.	1 ⅓ pts.	Do not apply after shucksplit. Do not allow livestock to graze in treated grove.
Thiodan® 50% W.P.	1 - 1.5 lbs.	Do not graze livestock in treated groves. Do not apply after shucksplit.
Thiodan® 3 E.C.	⅔ - 1.0 quart	(see remarks for Thiodan® 50 % W.P.)
lindane 12.5%	1½ quarts	Do not graze livestock in treated areas. Make only one application. Do not apply more than 450 gallons of finished spray per acre.