

FRUIT SPRAY GUIDES FOR INSECT CONTROL in Apples, Pears, Grapes, Blackberries and Blueberries

James V. Robinson, Professor/Extension Entomologist
Texas Cooperative Extension - Overton, TX

APPLES AND PEARS

Spray Period and Time of Application	Insect	Pesticide Formulation	Rate Per Gallon Water
<i>Dormant Season:</i> Apply as late in dormant season as possible <u>but</u> before bud break.	Mites, scales, aphids	Petroleum oil (97-99%)	The most common dilution is 3 Tbs. per gallon. Refer to the label because products vary in suggested rates. Repeat in 3-4 weeks if necessary.
<i>Pink Bud and Full Bloom:</i> Do not apply insecticides during this time period.	---	---	---
<i>75% Petal Fall:</i> Begin treatment when 75% of petals have fallen. The first 3 applications should be made 7 days apart.	Coddling moth, plum curculio, leafrollers, aphids, catfacing insects	Malathion 50% EC or Sevin 41.2% EC, or Permethrin 2.5 % EC or Confirm T/O 23 % EC or Thiodan 9.7% EC	2 tsp 1.5-2 tsp 2 fl oz 1 tsp 1 1/3 Tbs
<i>Cover Sprays:</i> Apply about 7-10 day intervals after last petal fall spray and at 7-10 day intervals thereafter or on an as needed basis depending on pest pressure.	Same as petal fall	Same as for petal fall	Same as petal fall

Pre-Harvest Intervals and Other Restrictions

- Dormant oils: Use during the dormant season only
- Malathion: Do not apply within 7 days of harvest.
- Sevin: Do not apply within 3 days of harvest.
- Permethrin: Do not apply within 7 days of harvest.
- Confirm T/O: Do not apply within 14 days of harvest.
- Thiodan: Do not apply within 30 days of harvest and do not exceed 2 applications during the fruiting period.