

1968 Commercial

PEACH SPRAY SCHEDULES

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DORMANT SPRAYS

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Leaf Curl</u>	Preferred: FERBAM 76W or DICHLONE 50W (Phygon)	2 lbs. $\frac{1}{2}$ lb.	It is advisable to <u>apply</u> a dormant spray for the prevention of leaf curl <u>every year</u> . Apply any time the trees are in a dormant stage.
<u>Scale Insects</u>	DORMANT OIL	2 to 3%	Use <u>only</u> to help clean up scale infestations. Thorough applications of regular summer insecticides should keep scale under control. Apply in late winter or early spring when very low temperatures are not likely to occur.
<u>Perennial Cankers</u>	DICHLONE 50W (Phygon)	$\frac{1}{2}$ lb.	There is some indication that DICHLONE will aid in the reduction and/or severity of perennial peach cankers. For detailed information see MU Guide 6056, "Peach Cankers." Make applications before buds swell in the spring and after leaf fall.

PRE-BLOOM and BLOOM SPRAYS

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Brown Rot</u>	Preferred: SULFUR Microfine wettable	6 lbs.	Apply: 1) when blossom buds show pink; 2) when 5 to 10 percent of the blossoms are open; 3) soon after full bloom.
	Alternate: CAPTAN 50W	2 lbs.	

PETAL FALL SPRAYS

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Insects</u>	Preferred DIELDRIN 50W	$\frac{1}{2}$ lb.	DIELDRIN is especially effective against curculio.
	Alternates: PARATHION 15W or GUTHION 25W or CARBARYL 50W	$1\frac{1}{2}$ lbs. $1\frac{1}{4}$ lbs. 2 lbs.	
<u>Diseases</u>	Preferred: SULFUR Microfine wetable	6 lbs.	
	Alternate: CAPTAN 50W	2 lbs.	

FIRST COVER SPRAYS

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Insects</u>	Preferred: PARATHION 15W or GUTHION 25W or CARBARYL 50W	$1\frac{1}{2}$ lbs. $1\frac{1}{4}$ lbs. 2 lbs.	Apply insecticides about 7 to 10 days after petal fall sprays.
	Alternate: DIELDRIN 50W	$\frac{1}{2}$ lb.	
<u>Diseases</u>	Preferred: SULFUR Microfine wetable	6 lbs.	
	Alternate: CAPTAN 50W	2 lbs.	

SPECIAL BORER TREATMENTS

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Peach Tree</u> <u>Borer</u>	Preferred: DIELDRIN 50W	12 lbs.	Make a single application in <u>early June</u> . Apply 2 pints of mixture per tree to bottom 12 inches of trunk using a collar spray boom. <u>Do not</u> allow spray to get on the fruit.
<u>Lesser Peach</u> <u>Tree Borer</u>	Preferred: ENDOSULFAN 50W (Thiodan)	1½ lbs.	Make 1 or 2 (3 week interval) applications beginning about June 1 in central Missouri, <u>but not closer than 30 days before harvest</u> . <u>Do not make more than two applications during the fruiting season</u> . Resume applications after harvest at 3 week intervals until not more than a total of four sprays have been applied during the season.

SPECIAL NOTE: Peach trees in a weakened condition, or damaged by winter injury, hail, or other means are very susceptible to lesser borer injury. Narrow angle crotches in the scaffold branches are good entry points for the borer. Vigorous, well-pruned trees are the best insurance against lesser borers. Thorough applications of regular summer insecticides will assist in the control of lesser borers.

EARLY COVER SPRAYS

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Insects</u>	Preferred: PARATHION 15W or GUTHION 25W or CARBARYL 50W	1½ lbs. 1¼ lbs. 2 lbs.	Use PARATHION at about 7 day intervals, GUTHION or CARBARYL at about 10 day intervals.
<u>Diseases</u>	Preferred: SULFUR Microfine wetttable Alternate: CAPTAN 50W	6 lbs. 2 lbs.	

SUMMER SPRAYS

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Insects</u>	Preferred: PARATHION 15W or GUTHION 25W or CARBARYL 50W	1½ lbs. 1¼ lbs. 2 lbs.	Use PARATHION at about 7 day intervals, GUTHION or CARBARYL at about 10 day intervals. <u>DO NOT USE</u> PARATHION WITHIN 14 DAYS OF HARVEST, GUTHION WITHIN 21 DAYS OF HARVEST, OR CARBARYL WITHIN 1 DAY OF HARVEST. CARBARYL is quite effective for scale insect control.
<u>Mites</u>	Special: KELTHANE 35W	1 lb.	When a mite (red spider) problem develops use the special spray of KELTHANE in addition to the regular insecticide. Mites are certain to be a problem with a CARBARYL program.
<u>Diseases</u>	Preferred: CAPTAN 50W	2 lbs.	

PRE-HARVEST SPRAYS (3 WEEKS BEFORE HARVEST)

SITUATION	MATERIALS TO USE	RATES PER 100 GALS.	SPECIAL INSTRUCTIONS
<u>Insects</u>	Preferred: CARBARYL 50W	2 lbs.	Can use to within 1 day of harvest.
<u>Diseases</u>	Preferred: BOTRAN 75W	1 1/3 lbs.	Apply 18 days, 10 days and 1 day prior to harvest. Very effective against post-harvest rots. No time limitations on the use of BOTRAN on peaches.
	Alternate: CAPTAN 50W	2 lbs.	Can use to within 1 day of harvest.

SPECIAL COMMENTS

BACTERIAL SPOT: It has been reported that a mixture of $\frac{1}{4}$ lb. DODINE plus 1 lb. CAPTAN per 100 gals. has been effective in reducing bacterial spot. Apply only to those varieties most susceptible to bacterial leaf spot. Begin applications in early cover sprays and continue in place of regular fungicide.

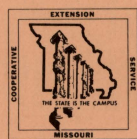
SPRAY TOLERANCE & INTERVAL CHART

RESIDUE TOLERANCES

The statutes of Public Law 518, commonly known as the Miller Amendment to the Federal Food, Drug and Cosmetic Act, provide for tolerances on the amount of chemical residue that may be on fruit at harvest. It is the duty of the Food and Drug Administration to see that the tolerances are not exceeded and to bring civil action where evidence of violation is strong enough to warrant it. It is the responsibility of the grower to use chemicals in such a way that excessive residues will not be on the crop at harvest time.

In an effort to help the grower discharge this responsibility, a table of tolerances is given for chemicals suggested in this circular with a listing of approved intervals of time between the last application of each chemical and harvest. In any instance where the intervals are less than those given by the manufacturer on the label of the pesticide container, the manufacturer's label must be followed. Always read the "Directions for Use" on the manufacturer's label before using the material.

Compound	Tolerance	Approved Interval Days
Bordeaux	exempt	No time limitation
Botran	20 ppm	No time limitation
Captan	100 ppm	No time limitation
Carbaryl	10 ppm	1
Dichlone (Phygon)	3 ppm	7
Dieldrin	0.1 ppm	30
Dormant oils	exempt	Dormant or delayed dormant only
Endosulfan (Thiodan)	2 ppm	30 days; not more than twice during fruiting season
Ferbam	7 ppm	21
Guthion	2 ppm	21
Kelthane	10 ppm	14
Parathion	1 ppm	14
Sulfur	exempt	No time limitation



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