little value against spider mites. Chlorobenzilate should not be used in alkaline solutions.

Carzol SP is available as a 92% active water soluble powder. It is effective against citrus rust mite at 5 to 10 oz. per 500 gal. It may be used any time rust mite control is needed. Carzol should not be used in alkaline solutions.

Guthion is available as a liquid concentrate containing 2.0 lb. per gal. or as a 50% wettable powder. It is effective against citrus rust mite at the dosage of 5.0 pt. of Guthion LC 2* per 500 gal. See discussion under "Scalcides."

Sulfur applications often are followed by increases in citrus red mite populations, and repeated applications or excessive amounts of sulfur often are followed by increased populations of armored scales; however, the dosage of 25.0 lb. of wettable sulfur per 500 gal. of spray is useful in the postbloom spray and where supplemental rust mite control is needed between the main sprays.

Do not use wettable sulfur in combination with oil emulsion. Any application of sulfur should not be closer than 3 weeks to an oil application.

Sulfur dust users should note the following: Good coverage is just as important in dusting as in spraying. Dust sites and tops of trees in two directions, preferably when the air is calm and the leaves are covered with dew. Night conditions usually are more favorable for dusting. Apply a total of 0.5 to 1.5 lb. per tree (depending on size) at each application.

Torak is an emulsifiable concentrate containing 4.0 lb. active ingredient per gallon. It may be used at 4.0 pt. per 500 gal. to control rust mite and spider mites in postbloom, or rust mite in summer sprays.

Trithion is available as a liquid concentrate containing 4.0 lb. or 8.0 lb. per gal., as a 25% powder, and as a 2% dust. Although Trithion sprays can be used at any time, the preferred application is late fall and winter for combined control of rust mite and spider mites. Use 2.5 pt. of the 4.0 lb. material per 500 gal. of spray for this purpose, but increase the dosage to 3.75 pt. at other times. Trithion can be used with oil on oranges, but Trithion may injure grapefruit if combined with oil in the summer or if applied alone in the fall before the fruit is fully colored.

Ethion is available as a liquid concentrate containing 4.0 lb. per gal. and as a 25% powder. Its preferred use is in the late fall and winter for combined control of spider mites and rust mite at the dosage of 2.5 pt. per 500 gal. of spray. Increase the dosage to 3.75 pt. at other times. When used at 3.75 pt. in combination with oil, it is an excellent summer spray for scale insects, rust mite, and spider mites. See discussion under ethion-oil under "Scalcides."

Delnav is available as liquid concentrate containing 8.0 lb. per gal. Its preferred use is for the combined control of rust mite and spider mites during the late fall and winter. Use 2.0 pt. of 8.0 lb. material per 500 gal. of spray.

Kelthane MF is an emulsifiable concentrate containing 4.0 lb. per gal. It can be used as a miticide at any time at a dosage of 5.0 pt. per 500 gal., but is best used during the late fall and winter months for combined control of rust mite and the spider mites. Kelthane should preferably be confined to groves where ethion, Trithion, and Delnav no longer control the spider mites. Kelthane should not be used in groves infested with snow scale unless a scalicide is also included. Kelthane should not be used in highly alkaline sprays.

Comite is available as a liquid concentrate containing 6.75 lbs. active Comite per gallon and is used at a dosage of 25 oz. per 500-gal. tank. Its preferred use is during the late fall and winter for the combined control of rust mite and spider mites. Comite should not be used in highly alkaline solutions (over pH 10), tank mixed with oil, or applied within 2 weeks prior to or following an oil treatment.

Oil is effective against spider mites at dosages of 0.5% and higher. See discussion about scalicides.

* See Table III for other formulations.