These substances act by corroding the body or by stopping the breathing pores,

(a.) Lime-sulphur Wash.—This wash came into use in the control of the San Jose Scale on dormant wood. Its beneficial effects were evident also against other insects and against certain fungous diseases.

it is prepared in two forms: Home-made Lime-sulphur Wash and Commercial Lime-sulphur Wash, diluted to use on dormant wood and on summer foliage.

l Home-made Preparation, Bolled:—Lime (best), 20 ibs.; Sulphur (flowers), 15 lbs.; Water, 40 gallons.

II. Concentrated Formula, Stock Wash:—Lime, 50 lbs.; Sulphur, 100 lbs.; Water, 40 gallons.

(Directions for preparing these washes are given in special builetins.)

A liydrometer is used to ascertain the proper dilution. "For use before buds burst" dilute to sp.gr. 1.03; "before biossom burst." 1.009; and "just after blossoms fall,",1.008. To get the amount of dilution divide the reading after the decimal point of the stock solution by the reading after the decimal point of the solution desired. For example, if the hydrometer reading of the stock solution is 1.3 and that of solution to use "before buds burst" is 1.03, the smount of dilution is 30-3=10. That is 1 gallon of stock solution makes 10 gailons of spray.

Commercial Wash.—Commercial Washes are now sold which are quite "ellable. Directions are given as to dilution.

It is to be noted that Lead Arsenate, not Paris Green, is to be used with the Lime-sulphur Wash.

(b.) Whale-oil Soap.—Potash whale-oil soap of a good grade, when dissolved in warm water at the rate of two pounds to a gallon of water, makes an excellent stray for early spring treatment of orchards—just before the huds swell. It is also valuable as a summer treatment against applied as pear psylia, but it should be diffuted as follows: 1 lb. of soap dissolved in 3 to 4 gallons of warm water. The soap bas an invigorating effect on the tree, but its cost prohibits its use in orchards on a large scale.

(c.) Kerosene Emulsion.—A soap emulsion of kerosene has for many years been used against aphids and other sucking insects. It is prepared by dissolving is lib. soap in one gallon cowarm water, and adding two gailons of kerosene to the hot soap solution. The whole is then agitated until a creamy emulsion is formed. This stock

Can be used in stables.