

SPRAY NO. 3.

(Summer Remedy for San Jose Scale and Woolly Aphis.)

INGREDIENTS.

Whale oil soap, 80 per cent.....	20 lbs.
Sulphur	3 "
Caustic soda (strength 98 per cent) ..	1 "
Commercial potash.....	1 "
Water to make	100 ga's.

DIRECTIONS.

Place the sulphur, potash, and caustic soda together in about two gallons of water, and boil for at least half an hour, or until thoroughly dissolved. Dissolve the soap in a vessel by boiling, mix the two and boil for a short time. Apply when about 130 degrees Fahrenheit in the vessel, as it cools rapidly when applying.

SPRAY NO. 4.

(Bordeaux Mixture for Apple-scab and all Fungous Diseases.)

INGREDIENTS.

Sulphate of copper (bluestone).....	4 lbs.
Unslacked lime.....	4 "
Water	50 gals.

DIRECTIONS.

Dissolve the sulphate of copper in 4 gallons of hot water. Slake the lime with 6 gallons hot water, and when cool strain through a coarse gunny sack into the dissolved bluestone, and add water to make 50 gallons. When applying, keep constantly stirred, using a force pump with special nozzle. The first application should be made as soon as the fruit is gathered in the fall, a second application early in the spring when the buds are swelling, and a third application after the blossoms have fallen, repeating again at intervals of two or three weeks until fruit attains the size of a walnut.

The above preparations, Sprays Nos. 1, 2, 3, and 4, can be obtained in solid form, requiring only the addition of water to be ready for use, and owing to the difficulty of preparation the Board advises the adoption of this method. Care should be taken to add the necessary quantity of water to reduce the mixture to the strength recommended above.

SUMMER SPRAYING.

11. Where pests or fungous diseases are found to exist during the growing season, while the trees are in leaf, spraying must be done and such remedies applied as shall be recommended by or under