

**(5.) Nicotine-Sulphate Soap.**

*Formula.*—40 per cent. nicotine sulphate, 5 teaspoonfuls; soap, 4 oz.; water, 4 to 5 gallons.

**(6.) Nicotine Sulphate-Lime.**

Lime may be used to replace the soap as a "spreader" and "sticker," in which case the following formula may be used: 40 per cent. nicotine sulphate,  $\frac{1}{8}$  gallon; slaked lime, 8 lb.; water, 160 to 200 gallons.

**(7.) Lye.**

Lye forms a useful spray for old apple-trees which are encrusted with superfluous bark and covered with lichens. It may be used at the rate of 1 lb. to 4 to 5 gallons of water. This makes an extremely caustic solution and it should only be applied once in every few years. If there is danger of getting any of the spray on the face or hands, it is better to rub vaseline or soap on such exposed parts of the body before treating the trees. One pound of lye to 40 gallons of water may be used against soft-bodied scale-insects.

NOTE.—The ratio between an imperial gallon to a United States gallon is as 4 to 5.

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This circular has been prepared by R. C. Treherne, Field Officer for British Columbia, Entomological Branch, Dominion Department of Agriculture, at the request of the Horticultural Branch.

Copies of this circular may be obtained free of charge on application to the Horticultural Branch, Department of Agriculture, Victoria, B.C., or from local branch offices of the Department.

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