

SPRING SPRAY ORDERS AND INSTRUCTIONS SENT OUT

BY C. C. CATE.
(County Farm Expert.)

Apple scab, a fungous disease that attacks the foliage and fruit of the apple tree, made its appearance in Union county several years ago but has never caused serious damage until recent years. It has gradually spread over the county, until at the present time its serious effects can be noticed in almost every apple growing district of the Grand Ronde valley.

Apple scab is recognized as the most serious and most generally distributed fungous disease of the apple known, and is particularly severe in many of the apple districts of the northwest. And on this account we deem it advisable at this time to issue a word of warning to the apple growers of the Grand Ronde valley. Upon investigation it is learned that many of the growers have had little if any experience in regard to scab control by means of spraying.

Last season, by mutual consent of the various selling agencies or organizations of Oregon, apples slightly infected with scab were permitted to be shipped outside the state, but such practice, if attempted this season, will cause havoc with the apple industry of Oregon for this reason: Growers of other apple districts in other states feel that such practice is an injustice and a gross discrimination against their respective districts, and have threatened to quarantine the Oregon apple. If the quarantine is established I will not undertake to furnish figures indicative of the loss that will be sustained by the Oregon growers. And furthermore, the warning has been issued by the State Board of

Horticulture that scab infected fruit shall not be permitted on the market or prepared for shipment out of the state or to various points within the state. Therefore it behooves the fruit grower, who expects to dispose of his crop, outside of the cannery or evaporator, to take steps now, to prevent this troublesome disease.

Treatment.

The method of treatment must be preventive rather than curative. Formerly, bordeaux mixture, (bluestone and lime) a fungicide was used almost exclusively as a preventive of scab, but its use has been supplanted to a greater or less extent by lime sulphur solution, on account of the russetting of the fruit by bordeaux, which was considered almost as detrimental as scab. There should be two and preferably three, applications. First, should be made when the blossom buds separate in the cluster, and show a good pink color. Use either bordeaux or lime a sulphur for the first spray. If bordeaux is desired, use four lbs bluestone, four lbs lime, to fifty gallons of water. If lime sulphur is used, taken the standard stock solution (30 degrees baume) dilute one part to 30 parts water, with either mixture or solution, be sure to cover trees thoroughly.

Second application: Use lime sulphur, diluted 1 to 35 and add two lbs. arsenate of lead to fifty gallons of diluted solution. Apply for codling moth spray for codling moth. This is known as combination spray for scab and moth.

Third application: Use same material as second spray, and apply as second codling moth spray.

Note: It is useless to spray for

prevention of scab when trees are dormant unless scale and other insects are serious, save dormant spray and follow above directions.

MARVELOUS FILMS HERE

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Marvelous pictures of a vast number of different animals from the jungles of Africa, taken by a camera man hidden away in a tree near a water hole in the desert, form a sensational part of the Rainey picture films at the Arcade. Tonight is the last "performance" and no one can afford to miss this picture. It is seven reels long, and tells of Millionaire Rainey's trip into Africa after big game. There are hundreds of thrilling moments but when the operator caught pictures of elephants, tigers, giraffes, monkeys, baboons, rhinoceros zegas and a half dozen other specie of wild animals all trying to get to the water hole at the same time he caught something unquestionably new in filmdom. Close views of panthers and lions fighting with dogs, of a thrilling charge by a rhinoceros at the photographer are but a few of the films shown. "This is the greatest animal picture that the Arcade has ever shown or probably ever will show," said Manager Gardiner today. "I can recommend it for it carries pictures never before shown."

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W. J. SALING, Owner.

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