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San José Scale, Oyster Shell, Blister Mite, Peach Leaf Curl, Aphis and Pearl Scylla are more easily and effectively controlled with Soluble Sulphur than Lime Sulphur. Thousands of farmers in Canada and the United States have proven by actual use that Soluble Sulphur is an excellent fungicide and combined with Calcium Arsenate it makes the best insecticide.

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Soluble Sulphur saves many dollars per acre on the season's spraying. A 100-pound drum costs less than a barrel of Lime Sulphur; makes more spray, saves freight on 500 lbs. water. No leakage—no loss.

THE NIAGARA SPRAY GUN should be part of every spraying outfit. It is easy to handle, saves time in spraying and does the job more thoroughly.

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Questions and Answers. Miscellaneous.

Plum Curculio and Apple Scab.

The plums on my trees always fall before they ripen. They first seem stung, then they wilt and drop off. When cut open they have a jelly matter around the part that is stung. Do they need spraying? If so, with what and when should I spray?

2. My Snow apple trees blossom well but the fruit is very small and scabby. What is the cause?

R. E. B.

Ans.—1. The falling of the plums is undoubtedly due to the work of the plum curculio. This a small, hard-shelled beetle which cuts a crescent-shaped mark in the skin of the plum, and deposits the egg therein. When hatching, the larvæ burrows its way into the fruit and the plum drops. In the control of plum curculio it is necessary to destroy all rubbish in and about the orchard, for the curculio winters in such. If there are only two or three trees, it would be practicable to jar them in the early morning, and catch the beetles which fall in a sheet or blanket and destroy them. In mid-day the beetles will fly away when the tree is jarred. The plums should be sprayed just as soon as the fruit has set, and the calyxes have dropped. The mixture should be about 3 pounds of arsenate of lead, added either to 40 gallons of lime-sulphur, (made in the proportion of 1 gallon of commercial lime-sulphur to 35 gallons of water), or to 40 gallons of Bordeaux mixture (4-4-40 formula). A second application of the same mixture should be given in two weeks or a little less. These materials mentioned can be used in smaller quantities but in the same proportions and applied with a small hand-pump.

2. The fruit on this tree might be made to grow larger if the tree were pruned thoroughly and fertilized. The scabiness is due to the apple scab, to which the Snow Apple and McIntosh Red are very subject. This can be prevented by spraying. The Spray Calendar will appear in an early issue of this paper, and in it will be found full instructions in regard to this operation.

Gossip.

At the Annual Meeting of the British Columbia Dairyman's Association held at Chilliwack the following announcement was made, "The two leading cows in each of the following breeds for total number of pounds of butter-fat produced were as follows:

Ayrshire.—1st Lassic 3rd, 2 years, owned by Jos. Thompson of Sardis, 414 lbs. fat; 2nd, Irene of Eden Bank, 6 years, owned by W. B. Walker of Chilliwack, 488 lbs. fat.

Holstein.—1st, Canary Queen DeKol, 8 years, owned by J. M. Stevens of Stevenston, 737 lbs. fat; 2nd, Lenora Mechthilde, 7 years, J. M. Stevens of Stevenston, 644 lbs. fat.

Guernsey.—1st, Western Butter Maid, 2 years, owned by Banford Bros., Chilliwack, 328 lbs. of fat.

Jersey.—1st, Blossom of Avelreagh, 7 years, owned by E. H. Barton of Chilliwack, 774 lbs. fat; 2nd, Lady Pauline, 3 years, owned by W. McIntyre, 580 lbs. fat.

This table shows that a seven-year-old Jersey cow is the champion for the province with 774 lbs. of fat, her nearest rival being an eight-year-old Holstein cow with 737 lbs. fat. Those interested in Jerseys will also be interested in the breeding of Blossom of Avelreagh. She was bred by Mr. Barton. Her sire is Monarch of Avelreagh used in Mr. Barton's herd many years and has several tested daughters. Her dam was Bernice of Sumas 178176, who was by one of the best sons of old Brampton Monarch imported, called "Golden Boy of Brampton." Golden Boy of Brampton was selected by Mr. Hodgson, when Live Stock Commissioner for Canada, to go to B. C. for the improvement of the dairy cattle there. Monarch of Avelreagh is also from Bernice of Sumas. This shows this cow to be very successfully line bred. The Jersey work in British Columbia is developing very rapidly. On the first of January, 1918, British Columbia breeders had 87 Jerseys working on the R. O. P. Since then this number has greatly increased and by the records which some of the breeders are making there at present a better record still is looked for from British Columbia for 1918.

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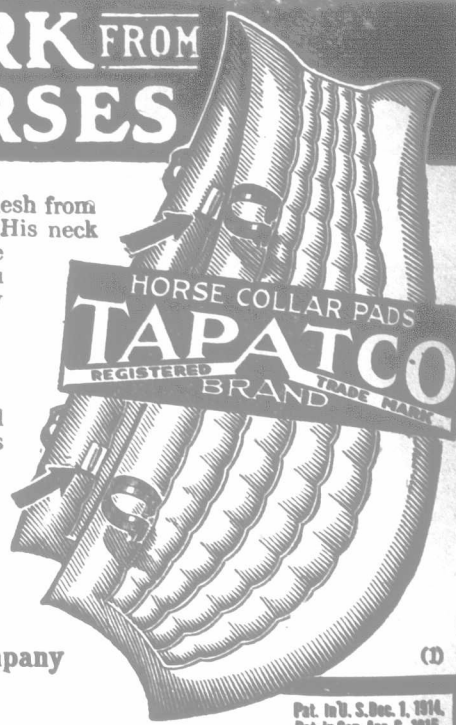
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