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MOSIER BULLETIN

VOL. VII

MOSIER, WASCO COUNTY, OREGON, FRIDAY, MARCH 3, 1916.

No. 52

Professional Cards... per month \$1.40
One square... 1.00
One-quarter Column... 2.00
One-half Column... 3.00
One Column... 5.00

Business locals will be charged at 5 cents per line for each insertion.

Legal advertisements will in all cases be charged to the party ordering them, at legal rates, and paid for before adavits are furnished.

What Time Is It?

Everyone asks this question many times daily. Our lives are regulated by our watches. You are beginning a New Year. Begin right by having your watch thoroughly cleaned and adjusted.

W. F. Laraway, Jeweler and Optician
EXPERT SWISS WATCH REPAIRING

The question of feed for your stock is quite an item.

Why don't you take a few lessons from your neighbors in the Yakima Valley and build a "SILO" this year?

The Tum-A-Lum wood silo, built from material always carried in stock, has proved to be the best silo in the northwest.

Anderson will tell you about it at TUM-A-LUM, Mosier, Oregon.

ASS'N FURNISHES VALUABLE DATA

The spray data given below was included in a recent paper by Sam G. Campbell, chief inspector of the Apple Growers Association, at a meeting of Fine Grove orchards...

From the preceding observations and statements in connection with the estimates of fungus in relation to the number of sprays applied and materials used, it is evident to me, and I think will be clear to my fellow apple growers, that any omission of any of the important sprays means more scab.

The following indicates the increasing quantity of fungus in the various exhibits in accordance with the different spraying programs as already explained specifically in each individual case.

Exhibit A, 5 per cent.
Exhibit B, 10 per cent, insufficient quantity of spray increases percentage in this exhibit.
Exhibit C, 5 per cent.
Exhibit D, 14 per cent.
Exhibit E, 15 per cent.
Exhibit F, 7 1/2 per cent.
Note: Small per centage exhibit F due to using extremely early pink as already stated in exhibit F-1.

scale, Bordeaux may be used for its fungicidal value, 3-3-50, 4-4-50. Growers can use an extra pound of lime in this mixture if they so desire.

Each leaf of the scab mixture should be tested with a steel blade; if there is an excess of copper, the steel blade will copper-plate, then add more lime.

There does not seem to be sufficient evidence to consider the delayed dormant as big a factor in scab control as the later sprays, namely the semi-dormant, pink and calyx and 10 days.

2nd. SEMI-DORMANT: To be applied when leaves are about the size of the finger nail to a squirrel's ear, use lime-sulphur 1-15, 1-20, 1-25 or 1-30. Burning of foliage is quickly apparent and should such burning occur to any great extent, it is advisable to use weaker solution Bordeaux, which is regarded as one of the best fungicides, may be used in this spray at the following strengths: 3-3-50 or 4-4-50.

This spray may not be necessary every year. However, it is very good insurance for a clean crop even in the years when fungus infestation does not begin to appear until later, for the following reason:

1st. In the next spray, the pink spray, it is difficult, especially in large orchards, even when beginning early, to spray the entire orchard before the pink buds have opened out almost in full bloom.

2nd. Rain may come and interfere with the pink spray or delay it, therefore it seems advisable to recommend this semi-dormant spray, and there is an additional reason for putting on this semi-dormant spray, which is, should results in a complete spraying program have been secured with lime-sulphur at a strength of 1-40. If there is any burning of foliage, pinching of leaves or stunting that looks serious, use a Bordeaux solution. This spray should be commenced early when the pink does not look much larger than a pin head, especially if the orchard is one which is large enough to require several days in which to put on this spray.

Bordeaux seems unwise on account of the russetting produced in 1914 and 1915. Russetting is almost certain to appear on fruit later if rain follows the application of Bordeaux at this season of the year.

3rd. In the pink spray use lime-sulphur 1-20, 1-25, 1-30 or 1-35. The good results in a complete spraying program have been secured with lime-sulphur at a strength of 1-40. If there is any burning of foliage, pinching of leaves or stunting that looks serious, use a Bordeaux solution. This spray should be commenced early when the pink does not look much larger than a pin head, especially if the orchard is one which is large enough to require several days in which to put on this spray.

4th. Calyx spray, lime-sulphur 1-30, 1-35 or 1-40, and arsenate of lead. This spray should be applied when the calyx has opened and the lobes upright or at an angle, both for scab and codling moth.

Bordeaux is generally liable to russet apples at this time and is almost sure to do so if rain follows soon after application.

The same remarks apply to the use of atomic sulphur in this spray, as have been already made under the head of the pink spray. However, if trouble with powdery mildew should occur, use atomic sulphur or iron sulphur in this spray for the control of this disease.

If the grower feels there is greater danger of burning in the next spray from lime-sulphur than from atomic sulphur, he can use atomic sulphur 12 pounds to the 100 gallons in order to begin in the calyx spray, or he can probably use, obtaining satisfactory results without great risk, lime-sulphur 1-35, possibly preferably 1-40 and atomic sulphur 6 pounds to 100 gallons.

5th: 10 day spray, lime-sulphur 1-30, 1-35 or 1-40 or atomic sulphur if used previously in calyx alone, or combined with lime-sulphur.

6th: Second codling moth: About June 1st to 15th, according to season, use arsenate of lead. The use of fungicides at this time will depend largely on the amount of infestation of fungus in the orchard. Atomic sulphur can be used if it has been applied previously for calyx and 10 day sprays. Lime-sulphur should be used with caution for the reason that at this time of year, particularly if the weather is hot, it has caused baking of the apples in years past. If lime-sulphur is used it seems advisable at this time to recommend weaker solutions be used, and even with a weaker solution there may be some baking of the fruit if the weather is exceedingly hot.

Bordeaux may be used at this time in the Second Codling Moth spray at 3-3-50, or 4-4-50, possibly as strong as 5-5-50, but not until the hair or down on the apple has entirely disappeared, and the skin becomes tough and hard.

7th: Spray about June 20th. Bordeaux may be used at 3-3-50 or 4-4-50 as recommended, particularly if the orchard is already infested with fungus, for the reason that about the 4th of July during about three out of five years we usually have a rainy spell, which is conducive to another outbreak of fungus, and therefore it seems wise to suggest the use of Bordeaux at this time.

8th: Third Codling Moth Spray about August 1st to 6th according to season. Use arsenate of lead. Bordeaux can be added at 3-3-50 or 4-4-50, possibly 5-5-50, as a preventative against late fall fungus infestation which sometimes occurs at harvesting time.

9th: It has been used by many growers in the past without having caused damage so far as known.

10th: While we have not so much of the stock this year," says A. W. Stone, "we are looking for the best of returns."

Nichol & Company
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Dr. Wm. M. Post

Office Hours 9 to 12, 1 to 5. Phone 2401
Rooms 18-19 Heilbronner Bldg. Hood River, Oregon

Preparedness

There are different views as to whether "Preparedness" is the the right policy for Uncle Sam. But all will agree that a bank account is a form of "Preparedness" that is good for his nephews and nieces.

MOSIER VALLEY BANK
Mosier - Oregon

Dalles, Portland & Astoria Navigation Company

Steamer "Dalles City" and "Stranger"
Leaves Portland 7 a. m., arrives The Dalles 6:30 p. m. Daily except Sunday. Arrives at Mosier about 5 p. m. Leaves The Dalles 7 a. m., arrives Portland 6:30 p. m. Daily except Sunday. Arrives at Mosier about 4:30 a. m.

J. O. BELDIN, Agent Phone 321

How Would Your City Look Without A Store?

Who contributes to the upkeep of your churches, town schools or your roads? The local dealer or the out of town dealers? Do the merchants away from home give you credit or do you pay cash?

The Mosier Book Store

Columbia Hospital

FORMERLY THE DALLES SANATORIUM
10th & Union Sts. The Dalles, Oregon

General Hospital

Drs. Corbin, Prime and Akin

STEAMER TAHOMA

PEOPLE'S NAVIGATION COMPANY
CHARLES NELSON, MANAGER.

Leaves The Dalles 7:00 A. M., Sundays, Tuesdays and Thursdays. Arrives at Mosier at 8:15 A. M.

Leaves Portland on Mondays, Wednesdays and Saturdays from Oak Street Dock. Passengers and freight.

Mosier Dock in charge of J. W. Huskey, who will meet all boats and attend to transfer. Phone No. 85.

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Proprietor "THE OAKS"

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The Towne Studio

216 Third Street

The Dalles - Oregon

Spring and Summer Spraying

(Recommendations for funguses)

1st. DELAYED DORMANT: Just as buds are swelling, lime-sulphur 1-10, 1-11 or 1-12, particularly if orchard is infested with San Jose scale; or no