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WOULD YOU BE READY?

You're sure that won't happen, but you are pretty sure to need your light Spring and Summer clothes in a hurry just the same.

Easter is just a few weeks away. Spring is here—now is the logical time to have your coats, suits, dresses, sport outfits, etc., cleaned, pressed and carefully renewed.

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WE DO ALL KINDS OF AUTOMOBILE REPAIR WORK.

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are prepared to furnish supplies of all kinds. We will carry **GRASELLI brand Arsenate of Lead** at our Odell warehouse this season. This is the brand carried by the Association for many years, and no better lead can be bought.

We are prepared to give a complete **MARKETING** service to any growers contemplating a change in their connections. We will furnish **SUPPLIES** and **CASH IN ADVANCE**. Sgobel & Day sell largely on the **F.O.B. BASIS**, with a distribution **ALL OVER THE WORLD**.

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### APPLE BLISTER-MITE AND ITS CONTROL

(By Leroy Childs)

(Continued from last week)

**Materials Employed and Notes on Control.** Extensive tests were conducted at the Hood River branch station during the past season (1924) in order to determine best methods of control and if possible to adapt the control of this mite to our present spray program. Included in this work were tests made with lime-sulfur and with oil at different strengths applied at different periods of bud development as well as oil combined with lime-sulfur and with bordeaux mixture. The determination of suitable strengths to effect control seemed particularly important at this time, especially from the standpoint of oil usage now that this material is being recommended at rather dilute strengths for scale control.

The results obtained during the past year cannot be considered as complete, due to several inconsistencies in results obtained. Nevertheless, these results indicate several important points which should be recognized by growers in following out control measures. By just what means control is effected is not entirely known at the present time. Our studies indicate that the mode of killing of the mites is quite different in the case of the two common insecticides, lime-sulfur and oil, used for this purpose. Laboratory and field studies point to the fact that oil accomplishes results as an actual contact spray, and must do its work at the time of application or a very short time thereafter. This killing is accomplished by actual penetration of the oil under the bud scales themselves, where it comes in contact with the mites.

Because of this method of action, it is essential that growers recognize a few important points where oil will be used for this purpose. The most important condition to keep in mind is that of bud development. As has already been stated, buds during the dormant season are for the most part sealed tight and it is with a great deal of difficulty that all enters, especially under the fourth bud scale, where often many mites are hibernating. Oil applied under such conditions cannot possibly give good results. A second consideration is also that of weather conditions. Early in the season, weather conditions are not altogether favorable for the application of oil. Warm weather greatly assists the oil in penetrating the buds. Growers who have used oil will remember how greasy and oily the trees appear when the days are warm and sunny. When this condition exists, one can usually expect good control of the blister-mite, provided, of course, that the buds are in the proper stage, as well as good control of leaf-roller and brown aphid. In using oil for the blister-mite, spraying should be delayed until the buds crack open a little. Pick out good weather and apply very thoroughly. The laboratory studies indicate that a good miscible oil spray of not less than five per cent should be used.

In some of our tests last year the unsprayed trees developed 51 per cent injured fruit, something over 20 per cent of which was so seriously injured as to be of no commercial value. Where Dormol 3-to-100 was used, 28 per cent of the fruit was damaged, approximately 10 per cent of the damage being of a serious nature. Where a 6-to-100 dilution of the same material was used, 10 per cent damage developed, a little more than one per cent of which was serious. At a strength of 8 to 100, four per cent of the fruit showed trace of injury, little or none of which was unpeppable.

In all of the field tests conducted on a comparative basis, lime-sulfur proved to be the most effective material used in controlling the blister-mite. This was true regardless of time of application, though best results with this material were obtained as the buds were beginning to crack slightly. The actual killing process as accomplished by lime-sulfur is quite different from that obtained with the oil, and because of this difference a much wider time is possible over which the spray can be applied. Just how lime-sulfur prevents mite infestation is not altogether clear. In numerous observations made, mites have been found alive in the buds weeks after the application of spray has been given. In the case of dormant buds, as well as in buds beginning to swell, lime-sulfur as a direct contact spray has little influence. This material does not penetrate under the bud scales as is true of the oil. On trees receiving lime-sulfur, a large percentage came to the buds alive until the buds begin to expand, after which few if any can be found. The writer suspects that one or two things happen at this juncture: First, that sulfur fumes being thrown off, especially on sunny days, prove to be very toxic to the young mites, causing their death; and second, that in leaving the buds, the young mites possibly come into contact with small particles of spray material scattered about on the unfolding buds.

Regardless of the method of destruction, lime-sulfur properly applied can be counted upon to give excellent results. We have not definitely determined that a fall application of apples is as effective as one applied in the spring. It has proved to be so on pears. Last spring with the buds just beginning to swell, lime-sulfur used at the rate of 1 to 25 permitted 7.77 per cent damage to the fruit; at 1 to 15, 3.15 per cent, and at 1 to 10, 1.69 per cent. In the two tests last mentioned the injuries were merely a trace. The unsprayed trees developed 51 per cent injury.

Conclusions. The results in the year's work are outstanding in favor of lime-sulfur, due to the fact that the spray can be put on effectively over such a long period of time during the spring. In all orchards where the blister-mite is the outstanding pest and present in serious numbers, lime-sulfur should be used at the rate of 1 to 10 or, if scale is present, 1 to 8. In orchards where the mite has not reached serious proportions and there are present such other pests as leaf-roller and the brown aphid, an oil application of 8 to 100 is recommended. This must be applied only after the buds begin to crack slightly and preferably during warm, sunny weather.

No other pest demands more thorough spraying to effect control than the blister-mite. It must be remembered that, incased in a single bud, can often be found six or seven hundred mites. On an infested tree practically every bud harbors mites. Because of this condition existing, it is highly essential that every part of the tree be covered. This is particularly true of oil application, as oil must penetrate into each bud to be effective.

are to be destroyed. Our tests applied after the gross portions of the buds were hibernating in these were productive of very poor results in the case of both lime-sulfur and oil. It is highly important that the spray be applied before the gross tips appear. A very large percentage of the failure in blister-mite control coming to the attention of the writer have resulted from sprays applied too late. By getting the spray on in good season and spraying thoroughly the orchardist should have nothing to worry about as far as the blister-mite is concerned.

### Writ of Habeas Corpus Granted

Citing errors in the petition and the action of the county court in establishing a county road from the Columbia River Highway to the Columbia river, P. J. McGowan & Son, who operate salmon fisheries in the vicinity of the cascade, have secured a writ of review in circuit court. The hearing will be held before Judge Wilson next Monday.

At the time of the granting of the writ, the fishing season informally voiced opposition for the road, which it was declared will be utilized annually only a few weeks, during period of high water to carry traffic to a ferry operated by C. T. Smith, of Stevenson, Wash.

### P. F. E. to Construct Plant

The Pacific Fruit Express has secured a spur track location along the O.W. R. & N. line just east of Hood River and will start immediate construction of a car icing plant. Storage space will be constructed for several hundred thousand tons of ice. The Apple Growers Association, owning all of the refrigeration machinery of this valley, has a 10 year contract for furnishing ice and icing cars of the company. All cars will be loaded the new plant. Formerly they were iced at the main siding of the Apple Growers Association, a system which frequently delayed loading operations during the busy season.

Talk with Young, 10 to 70. Life Insurance, the very best.

### Notice to Creditors

In the County Court of the State of Oregon, for Wasco County.

In the Matter of the Estate of Mary Mitchell, Deceased.

Notice is hereby given: That the undersigned has been appointed Administrator of the Estate of Mary Mitchell, deceased, by an Order dated March 4th, 1925, and all persons having claims against said Estate are hereby notified to present the same to me at the office of Paul W. Childers, The Dalles, Oregon, on or before six months from the date of this notice. Dated this 6th day of March, 1925.

J. B. Barnett, Administrator.

Paul W. Childers, Attorney for Administrator. m1240

### Notice of Special School Election

Notice is hereby given to the legal voters of Hood River School District No. 3 of Hood River County, Oregon, that a special school election of said district will be held at the district school house of said district at the building known as Park Street School, on the 3rd day of April, 1925, between the hours of 1:00 o'clock P. M. and 7:00 o'clock P. M. of said day for the purpose of submitting to the legal voters of said district the following proposition:

"Shall Franklin School District No. 2; Hood River School District No. 3; Barrett School District No. 4; Bismarck School District No. 7; Wasco School District No. 10; Oak Grove School District No. 11; and Wyeth School District No. 15, all of Hood River County, Oregon, be united for union high school purposes and the certain 8.5 acre tract of land on the North side of May street in Hood River, Oregon described as Lot 32 of Adams Paradise Acreage an addition to the city of Hood River, according to the duly recorded plat thereof, be designated as the site for union high school district; and for the election of five directors of the proposed union high school district. Dated this 12th day of March, 1925.

C. A. REED, Chairman of the Board of Directors of Hood River School District No. 3 of Hood River County, Oregon.

Attest: I. R. ACHESON, Clerk of Hood River School District No. 3 of Hood River County, Oregon.

### Notice of Sheriff's Sale

In the Circuit Court of the State of Oregon, for Hood River County.

Nettie A. Sprout, Administratrix of the Estate of Charles H. Sprout, Deceased, and Nettie A. Sprout, Plaintiff, vs. Lewis M. Thomas and Alta Thomas, husband and wife, Defendants.

Notice is hereby given that, pursuant to an execution and order of sale issued out of the above entitled Court and cause, to me directed, dated the 4th day of March, 1925, on a decree of said Court of said date wherein the above named plaintiffs recovered judgment against the above named defendants, Lewis M. Thomas and Alta Thomas, for the sum of \$1600, together with interest thereon, at the rate of six per cent per annum since the 1st day of July, 1923, together with the further sum of \$150 attorney's fees and plaintiff's costs and disbursements, taxed at \$14.10, and accruing costs.

I will, on Saturday, the 4th day of April, 1925, at the hour of 10:30 o'clock A. M. of said day, at the front door of the Courthouse in the City of Hood River, Oregon, sell to the highest bidder, cash in hand, all the right, title and interest of the defendants, Lewis M. Thomas and Alta Thomas in and to the following described real property, situated in Hood River County, Oregon, to-wit: Lot 11, Block One, (1), Blowers Second Addition to the City of Hood River, Oregon. Dated and first published March 6th, 1925.

Wm. Edick, Sheriff of Hood River County, Oregon.

I have just received a line of the famous

**Samson Trunks and Suit Cases**

and always carry the best Hand Bags obtainable; also Ladies' Under-the-arm Bags and Vanity Cases.

**WM. WEBER**

### VETERAN FOX FARMER VISITS HERE

"Fox farming," declared W. E. Rogers, of Prince Edward Island, one of the foremost fox farmers of the world, and his way home from California, where he spent the winter, "is not a get rich quick proposition. Raising foxes for their pelts requires hard work and close attention. I predict that some of those who have responded to the lure of promoters of fox farming are going to be disappointed. Fox farming is just like any other industry. One is not going to get rich out of it without putting a lot of effort into it. But for the person who likes the work that it offers and who operates under proper climatic conditions has the opportunity of making a success of raising foxes for their pelts. The farmers of Prince Edward Island have been doing it for 40 years."

Mr. Rogers came here last week to visit Dale M. Haskin, who operates silver fox farms here and at Newberg. He saw the Columbia River Highway for the first time, declaring it beyond the expectations he had raised within him from stories he has heard from other travelers.

Mr. Rogers has eight fox farms on Prince Edward Island and three in the United States. He has connections in Europe and is shipping animals to France and Switzerland. He is not unfamiliar with the Northwest, having been agent for the Northern Pacific R. R. Co. at Sand Point, Id., from 1880 to 1891. During the boom days of Pasco he purchased five lots there.

"After seeing the Columbia River Highway and the Hood River valley," said Mr. Rogers, "I am tempted to motor out here this summer. I am expecting delivery of a new automobile in Detroit soon, and if my business will permit, Mrs. Rogers and I will take another vacation in the Northwest."

### Summons

In the Circuit Court of the State of Oregon for Hood River County.

Federal Land Bank of Spokane, a Corporation, Plaintiff, vs. Frank M. Edwards, Katherine E. Edwards, husband and wife, East Hood River National Farm Loan Association, a corporation; William Roy Kendall, and Hood River County, a municipal corporation, Defendants.

For Frank M. Edwards, Katherine E. Edwards and William Roy Kendall, of the defendants above named:

You and each of you are hereby required to appear and answer the complaint filed against you in the above entitled court and cause, on or before April 10th, 1925, the same being six weeks from the date of the first publication of this summons; and if you fail so to appear and answer said complaint the plaintiff will apply to the Court for a decree against you and each of you, foreclosing that certain mortgage made, executed and delivered by the defendants, Frank M. Edwards and Katherine E. Edwards, husband and wife, to the plaintiff herein, dated the 30th day of September, 1921, and on the following real property:

The South Half of the Southeast Quarter of the Southwest Quarter of Section 24, Township 2 North, Range 10 East of the Willamette Meridian, containing 20 acres, more or less; which mortgage is recorded in Volume 14, at Page 281, of the Records of Mortgages of Hood River County, Oregon; and for sale of said real property to satisfy the amount found due the plaintiff herein all of which is fully set forth in the complaint of plaintiff on file herein; and for such other and further relief as to the court may seem just in the premises.

This summons is published by order of the Hon. Fred W. Wilson, Judge of the above entitled Court, duly made and entered on the 4th day of March, 1925, which requires you and each of you to appear and answer the complaint herein on or before the 10th day of April, 1925, the date of the first publication of this summons being March 5th, 1925.

A. J. Derby, Hood River, Oregon.

J. B. Ryan, Spokane, Washington.

Attorneys for Plaintiffs. m5a16

### Notice to Creditors

In the County Court of the State of Oregon, for Hood River County.

In the Matter of the Estate of G. J. Chaffee, Deceased.

Notice is hereby given that the undersigned has been appointed Executor of the last will and testament of G. J. Chaffee, deceased, by order of the County Judge of Hood River County, Oregon, and has qualified as such. All persons having claims against said estate are hereby required to present the same to the undersigned, duly verified, within six months from the date of the first publication of this notice, which date is March 5th, 1925.

F. Fowlick, Executor.

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