

# HOW TO COMBAT BROWN ROT IN PRUNES, CHERRIES

WASHINGTON, D. C., March 17.—Suggestions which may help Oregon growers to reduce losses of their prunes and cherries from brown rot will shortly be published by the United States department of agriculture in a professional paper, Bulletin No. 368 of the departmental series, by Charles Brooks and D. F. Fisher of the office of fruit disease investigations in the bureau of plant industry.

The recommendations, which call for repeated sprayings at certain times with self-boiled lime-sulphur or Bordeaux mixture combined with resin-fish oil soap to make them stick and spread, are based largely on promising results obtained in experiments during the last season in the orchards of A. W. Moody at Felida, Wash. The results are published not as final conclusions, but to give growers the benefit of such knowledge as was obtained, in the belief that the spraying system recommended is well worth careful trial.

### Source of Infection

Observations for a number of seasons have shown that the apothecia, a stage of the fungus that develops from the fallen prunes, is the probable source of the blossom infection with monilia blossom blight. Fall plowing and early spring cultivation ahead of the blossoming period have apparently helped in preventing the disease by interfering with the development of the apothecia.

In the spraying experiments the early applications of spray were washed off, which showed the importance of the addition of a sticker, but even under rather unsatisfactory conditions, spraying has given fairly good results. The prune plats given both early and late spraying with self-boiled lime-sulphur set from two to five times as much fruit as the unsprayed ones, and gave a yield of two and one-half times as much, and had one-ninth as much brown rot on the harvested and one-eighth as much on the stored prunes.

In spraying, self-boiled lime-sulphur 8-8-50, and Bordeaux mixture 4-4-50 have both given good results, but the former has seemed somewhat more satisfactory. Two pounds of resin-fish oil soap should be used to each thirty gallons of the mixtures. Where this soap cannot be readily obtained, it may be made up as follows:

### Resin-Fish Oil Soap

Resin, 5 pounds; potash lye, such as is sold for washing purposes, 1 pound; fishoil, 1 pint; water, 5 gallons.

The resin is dissolved in the oil by heating in a large kettle. After this has partially cooled, the potash is added, the mixture being slowly stirred and carefully watched to avoid its boiling over. A part of the water is now added and the boiling continued until the mixture will dissolve in cold water. This will require about one hour. The remainder of the water is then slowly added and the mixture thoroughly stirred.

This soap was found very valuable in making the spray spread and adhere to the fruit. The soap, however, cannot be used with commercial lime-sulphur.

### Spraying Schedule

Several years' results will be necessary as a basis for any final recommendations, but insofar as the season of 1915, when rainfall was below normal at the critical seasons for this rot, was typical, the following schedule of spraying may be suggested:

The first application just before the blossoms open.

The second, just after the petals have fallen.

The third when the husks have fallen.

The fourth, about four weeks before harvesting.

The fifth and the fourth applica-

# BOILS AND PIMPLES DANGEROUS

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Modern science has proven that boils and carbuncles, pimples and unsightly skin blotches, are signals of diseased blood. Scaly skin and itching of the scalp, scurf, rashes—all skin diseases are aggravated by bad blood—it is the infected blood that's dangerous. Don't wait for the boils. If you have pimples and blotches, take instant action. Pimples tell you that your blood is filled with impurities. You must wash out your blood, and stimulate it to healthy action with Nature's own blood purifier, S. S. S. It is the standard blood purifier of the world. Don't use drugs, ointments, salves, &c. S. S. S. reaches the blood, drives out the impurities. It makes healthy perspiration—the poison is literally sweated out through the skin. Boils, blotches, rashes and the Scrofula indications disappear. It does what aives and lotions can never do—it goes to the root of the trouble by reaching the blood. Your skin becomes clean and you soon feel the vigor of perfect health. S. S. S. is purely vegetable. You can get it any druggist's. Write for book of facts. "What the Mirror Tells." If yours is a long standing case, write for expert advice to S. S. S. Specific Co., Atlanta, Ga.

tions have been found especially important during the past season.

### Blossom Infection of Cherries

Observations made near Vancouver, Wash., and in the vicinity of Salem, Ore., in April showed that there had been a blossom infection of cherries similar to that already described on prunes. It appeared that most of the infection had taken place after the petals had fallen, but before the fruit had a chance to push through the husk. Black Republican cherries seemed especially subject to infection, estimates indicating that on this variety fully 99 per cent of the blossoms were infected with Monilia. In many orchards at least 75 per cent of the blossoms of other varieties were similarly infected.

The work as yet has not been carried out as fully as could be desired. It seems evident, however, that the Monilia blossom blight was the cause of serious losses in the Willamette valley in the season of 1915, and that the brown rot of the fruit was the cause of considerable loss at the canneries and heavy losses in the shipping of fresh fruit.

The spraying experiments with cherries were begun late in the season.

No early sprayings were made, and therefore no results were obtained on the effect of spraying upon the blossom infection. The brown rot at the canneries and in storage, however, was greatly reduced by late applications of Bordeaux mixture and self-boiled lime-sulphur. With the Royal Ann cherries better results were secured with Bordeaux mixture than with the self-boiled lime-sulphur.

# MILITARY TRAINING WANTED AT EUGENE

EUGENE, Or., March 17.—A mass meeting to put under way a move to establish a voluntary military training at the University of Oregon was to be held on the college campus here late today. An attempt will be made to organize two companies of coast artillery as part of the Oregon National Guard. At today's meeting President P. L. Campbell of the university, and Mayor W. A. Bell, of Eugene, were to speak.

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Best for Liver and Bowels, Bad Breath, Bad Colds, Sour Stomach

Get a 10-cent box. Sick headache, biliousness, coated tongue, head and nose clogged up with a cold—always trace this to torpid liver; delayed, fermenting food in the bowels or sour, gassy stomach.

Poisonous matter clogged in the intestines, instead of being cast out of the system is re-absorbed into the blood. When this poison reaches the delicate brain tissue it causes congestion and that dull, throbbing, sickening headache.

Cascarets immediately cleanse the stomach, remove the sour, undigested food and foul gases, take the excess bile from the liver and carry out all the constipated waste matter and poisons in the bowels.

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# GOLD HILL NUGGETS

The 15-year-old son of Jack Smith, who has been seriously ill at his home on Sardine creek, is reported as convalescing.

Mrs. Adeline Ladd of Glendale is down visiting with her mother and brother at the old home east of town.

The beautiful spring flowers of this climate are appearing in profusion on the hills adjacent to town. We may well congratulate ourselves when we receive letters from our friends in the east telling of so much snow yet in those parts.

Mrs. John Hammersley and son Dale, of Grants Pass, are visiting friends and relatives in this city. Mrs. Langman attended to business affairs in Medford and Jacksonville Wednesday.

Mr. and Mrs. H. D. Reed were seeing friends and transacting business in Medford Thursday.

Mrs. Mead and granddaughter, Dorothy Barnes, of Grants Pass, spent Sunday with Mr. and Mrs. Ivan Simon of this place. Mrs. Simon is also a granddaughter of the lady.

Miss Opal Harvey of Ashland came down Friday evening on No. 16 to spend a few days with her father, Harvey Harvey, who is in the employ

of the M. S. Johnson Hardware & Implement Co.

Saturday evening, H. L. Darling, wife and daughter Gladys, Mrs. Iowa Hodges and Mrs. C. H. Price motored to Medford to attend the meetings at the Nat.

The meetings conducted by Mrs. Owen, the evangelist, are very well attended and much interest shown. Many who have lived here any great length of time remember her previous visit to this place twenty years ago.

Mr. and Mrs. A. E. Kelloor transacted business in Medford a few days ago.

The basketball game in the pavilion Saturday evening was a warm game, both sides showing good practice, but the result showed 9-11 in favor of the Central Point team. Practice up, girls.

# FEDERAL COMMISSION TO CURB STANDARD OIL POWER

ST. LOUIS, Mar. 17.—Creation of a federal oil commission as urged tonight by A. W. Caward of Waterloo, Ia., president of the Western Oil Jobbers' association in an address at the opening of a two day convention here. Mr. Caward said the creation of a federal commission similar to the interstate commerce commission was the only means of protecting the small refiner or jobber from the con-

trol exercised by the Standard Oil company.

"The oil business," Mr. Caward said, "is the most hazardous of any in the world. The Standard can make a shortage or surplus at will and the independent dealers are at its mercy"

# The Coming Baby! Hooray! Hooray!



Nothing else can so completely endear us to the present and the future as the expected arrival of a baby. But in the meantime the comfort of the mother is of vast importance. There is a splendid natural remedy known as "Mother's Friend" which exerts a wonderful influence upon the expanding muscles. They become more pliant, stretch without undue pain, make the period one of pleasant anticipation instead of agonizing letters from all over the country mothers tell of the great help "Mother's Friend" was to them. Give grandmothers tell the wonderful story to their own daughters about to enter the state of motherhood. Get a bottle of "Mother's Friend" today of your nearest druggist. Use this splendid help with your own hand guided by your own mind. For a free book of interest and importance to all mothers write to Bradford Regulator Co., 608 Lamar Bldg., Atlanta, Ga. It relates the personal experiences of many happy mothers, it tells many things that all women should be familiar with; it is at once a guide and an inspiration. Write for this book.



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The prices, as you will see, range from 5c to 75c the yard. The goods were bought early when the who were full and before the prices advanced. Our selling price is based on our buying price and not present prices, which are much higher.

ANTRIM LAWN, 5c  
24 inches, small figures.

SHADOW VOILE 10c  
27-inch, new cloth, medium size figures.

CREPES 12 1/2c  
27-inch, wide range of neat pretty patterns.

PRIMROSE BATISTE 12 1/2c  
30-inch, a smooth-finish cloth on stripes, figures and plain colors.

FLAXONS 15c  
29-inch, permanent finish cloth. This line includes the small figures, the large patterns and the wide stripes.

PRINTED SEED VOILE, 16 2/3c  
27-inch, another new cloth, medium patterns.

MODETTE, VOILE 20c  
34-inch, mercerized, non-shrinkable, stripes and small figures.

VOILE, PRINCESS CHIFFON, RICE VOILES, 25c  
36-inch, choice patterns, in stripes and large figures, all new cloths.

EGYPTIAN TISSUE 25c  
29-inch, plaids, checks and stripes.

MERCERIZED POPLIN 25c  
27-inch, a beautiful finish cloth in all the plain colors.

MERCERIZED POPLIN 15c  
27-inch, plain colors.

MOUSELINE, LACE VOILE, 35c  
36-inch, a good assortment of very pretty small patterns.

MERCERIZED VOILE, 50c  
36-inch, a beautiful cloth; white, pink and blue grounds, with many pleasing patterns.

LA FLEUR DUCHESSE 75c  
36-inch, large patterns and plaids, very attractive.

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