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SPRAY WARNING ISSUED; BLIGHT DANGERS AHEAD

By C. C. CATE.

The time is now at hand when it is deemed advisable to make a few spray recommendations. Because of the many varieties of apples and pears and the different stages of development in the various parts of the valley it is very difficult to give general recommendations. No exact time can be set for any spray for a given variety. It may hit Medford, but miss outlying districts.

PEARS—One point I wish to make clear at this time. In the past the so-called calyx spray of the pear has generally been applied about a month after the petals had fallen, no spray having been applied immediately after the fall of the petals, corresponding to the calyx spray of the apple. At this time the young fruit is exposed and unprotected and subject to attacks by scab spores which are now found. Young pears and leaves examined under the microscope in the laboratory showed attacks by the scab spores. For this reason such varieties as Winter Nellis, Bartlett and Bose, which are very susceptible to scab, should be sprayed at this time. In order to effectually control the scab it is essential to spray with lime-sulphur 1-35 or 1-40 as soon as the petals have fallen. If there is reason to believe that the aphid will become prevalent nicotine sulphate one pint to 150 gallons should be added.

It is not necessary to apply the arsenate of lead at this time unless you expect damage from any of the following insects before the regular time for applying the arsenate of lead: Pear slugs, plum curculio, bud moth larvae, climbing cut worms, green fruit worms and caterpillars. It is not to be inferred that all these pests are to be found in any one locality, however, one or more may be present especially in neglected orchards.

In ten to fourteen days another lime-sulphur spray should be applied for the scab. In four to five weeks will follow another spray which will be the first codling moth spray and will also have lime-sulphur added for the scab.

APPLES—For the apples the calyx spray is applied after the petals have fallen and before the calyx lobes have closed. The object of this spray is to fill the calyx cups with a poison in order to prevent codling moth larvae entering through the calyx end. If the calyx lobes have closed the spray is completely shut out, leaving this means of entrance unprotected throughout the whole summer. Before all the petals have fallen make frequent examinations of the young fruit to determine whether or not the calyx is closing. It may often be found necessary to spray before the petals have all fallen.

Arsenate of lead 4-100 should be applied. On Newtowns especially and any other varieties susceptible to scab lime-sulphur 1-35 should also be added at this time. On such varieties as Spitz and Jonathans the lime-sulphur can be omitted. When deemed advisable add nicotine sulphur for the control of aphid.

The trees have considerable foliage at this time and in order to insure the spray reaching the calyx cup a pressure of at least 200 pounds should be maintained at all times. Make frequent examinations of the fruit clusters to determine whether or not the calyxes are filled. Do not be satisfied with anything short of a first-class job.

New infections of blight have been found this week on pears and apples. It will be wise to watch carefully for new infections of this time.

Growers who are interested in scab control might be benefited by seeing the spores of the scab fungus that are exhibited at the office.

As announced before the new bulletin on orchard spraying in Oregon is just off the press and may be obtained by addressing the Extension Service, Oregon Agricultural College, Corvallis, Oregon. It should be in the hands of every up-to-date fruit grower.

Where lime-sulphur cannot be obtained arsenic sulphur can be substituted. Use the arsenic at the rate of 12 pounds to 100 gallons. Keep the solution thoroughly agitated at all times.

PATENT MEDICINE IS WOE OF THE SOUTH

NEW ORLEANS, April 14.—Lunch and patent medicines were declared by speakers before the Southern Biological congress tonight as constituting two of the gravest menaces to the social life of the south. Dr. W. B. Weatherford of Nashville urged the necessity of changes in court procedure to eliminate branding by inserting quick lethal punishment, especially in cases of attacks by negroes on white women.

At the Churches

Free Methodist Church
 (Cor. 10th and 19th.)
 Sunday school 10 a. m.
 Preaching 11 a. m.
 Preaching 7:30 p. m.
 Mid-week prayer meeting Thursday 7:30 p. m.
 Come and welcome.
 J. E. BRADLEY, Pastor.

Catholic
 (South Oakdale avenue)
 First mass Sunday at 8 a. m.
 Second mass at 10:30 a. m.
 Blessing and distribution of palms before second mass.
 Evening service at 7:30 p. m.
 REV. JOHN POWERS, Rector.

Presbyterian
 Sunday school 10 a. m.
 Preaching 11 a. m. and 8 p. m.
 Rev. Frank Gleoccker, Sunday school missionary for southern Oregon will preach both morning and evening.
 Y. P. S. C. E. at 7 p. m.
 Prayer meeting Thursday at 8 p. m.
 All are cordially invited to attend these services.

St. Mark's Episcopal
 Palm Sunday Services—8 a. m., Holy Communion; 10 a. m., Sunday school; 11 a. m., Benediction of Palms and Holy Communion; 7:30 p. m., evening prayer.
 Good Friday—9:30 a. m., altar service; 12 to 3 p. m., three-hour service; 7:30 p. m., evening service.
 Daily Except Sunday—9:30 a. m., Holy Communion.
 WM. B. HAMILTON, Vicar.

Oakdale Ave. Methodist
 Sunday school at 9:45 a. m.
 Preaching at 11 a. m. and 8 p. m.
 Singing and devotional service at 7:30 p. m.
 Morning subject, "Mary's Happy Choice." Evening subject, "The Call of Matthew."
 Prayer meeting Thursday evening at 7:30.
 Strangers are welcome.
 H. M. BRANHAM, Pastor.

First Church of Christ, Scientist
 Branch of the Mother Church, The First Church of Christ, Scientist, in Boston, Mass.
 Sunday service at 11 o'clock. Subject, "Doctrine of Atonement."
 Wednesday evening meeting at which testimonies of Christian Science healings are given, 8 o'clock. All are cordially invited.
 Sunday school at 9:45. All under 20 are welcome.

Reading room in church edifice, 212 North Oakdale, open from 1:30 to 4:30 daily, except Sundays and holidays.

First Methodist
 (Dr. J. C. Rollins, Pastor.)
 Services for Palm Sunday:
 The Sunday school hour is 9:45. An interesting and helpful school. The Epworth League chapter meets at 6:45. A splendid hour for all young people.
 Public worship at 11 a. m. and 8 p. m. At the morning hour Dr. Rollins preaches on the theme, "The Query of Palm Sunday, Who is This?" Special music by the vested choir. Mr. Edmunds will sing "The Palms" by Faure.
 At the evening hour the vested choir will sing "The Crucifixion" by Stainer, and Dr. E. A. Moore will speak on "Easter tide in the Holy Land." Dr. Moore has been a long time resident in Palestine and his address will be of great interest.

Passion week will be observed with two special services, Thursday evening, "Keeping the Feast," and Good Friday services from 12 till 3 o'clock. The public is cordially invited to all the services of the church.

First Baptist
 "A Live Church With a Cordial Welcome."
 9:30 a. m. Bible school, E. T. Stewart, superintendent. Wide awake organized classes for all grades and ages.
 At 11 a. m. Dr. Allen Moore will speak. Dr. Moore is in charge of the Palestine Pageant of the Social Service exposition to be held in the Nat April 24-29. Dr. Moore has been a missionary in Palestine for 17 years and is perhaps one of the most careful students of the Bible in this country. He has had many thrilling experiences in Africa, Egypt, and the Holy Land. He is the founder of two missions in Algeria, was special missionary, envoy to the war in Morocco

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and at the time of the bombardment of Cuba. He was engaged in the work of Jewish captives who had been turned into Mohammedanism and slavery.
 Special music by the male quartet.
 8:30 p. m. Young People's service, full of interest and enthusiasm.
 7:30 p. m. Pastor Carstens will speak upon "A Birthright Bargained Away."
 Orchestra under the direction of Prof. Grandley, will play.
 You will enjoy attending services at the Baptist church. Come.

First Christian Church
 Cor. Ninth and Oakdale
 The church with a vital message to which we invite you.
 Morning service, 10:45. Subject, "God Is Love." Special music and rousing song service by the reorganized choir, morning and evening.
 Evening service, 7:30. A subject of interest to young and old. We are anxious to enlarge the evening attendance. Will you help us?
 Sunday school at 9:45 a. m. We want all the church members in the Sunday school and all the Sunday school in the church.
 Christian Endeavor at 6:20. Visit the young people.
 Mid-week prayer meeting Thursday evening 7:30.
 Choir practice Wednesday evening and Friday evening for Easter program. Harry E. Tucker, minister.

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SEEK TUNGSTEN ORE THRU WEST, PRICE IS HIGH

Prospecting for tungsten ore has become an interesting search for hidden fortunes in many parts of the west. The discovery of scheelite near Gold Hill has given new impetus to the quest in this region. The veins found are being followed into the Sardinia creek country, while search for scheelite is being made in every district of any note in this part of the southern Oregon territory. The most extensive finds, so far, appear to be in Nevada, where search for tungsten has been pursued by those who know more about it than the average miner for gold and more concerning the formations in which it is found than do the gold miners of this region.

In White Pine county, Nev., one miner has a tungsten property that yields over 60 percent of values from a hubnerite ore. That prospect is probably the largest producer in the United States. The main vein is from 12 to 20 inches wide and traceable on the surface for 3000 feet. There are several other veins from two to five feet wide. Forty miles from that prospect the Doyle Mining company has been operating a mine the ore of which yields a 60 percent product, and 20 miles from that mine the U. S. Tungsten company has been operating a tungsten mine for months which yields a 60 percent concentrate. In another location in that county the Millick brothers recently panned out 225 pounds of concentrates from old dumps that assay 60 percent and was worth \$600. That sum from the pan in four days is certainly a big yield.

The Consolidated Tungsten Mines company has been organized with a capital stock of half a million dollars to develop 20 claims. Other organizations are being effected in various parts of that great district for mining tungsten.

J. W. Liljebran, the local assayer and metallurgist, refers to the extraordinary activity in tungsten mining in Nevada merely to show that the search for that precious metal is becoming earnest and general and that miners are eager to learn the nature of the formation in which it is found and the processes of milling it. The belief is widening that it may be found in southern Oregon, as in Nevada, in abundance and old miners would not be surprised if sensational strikes should be reported in this region.

GOOD COMEDY AT THE PAGE TODAY

The day of the all-star motion picture has arrived to compete with the familiar all-star cast of the speaking stage. One of the first series and pronounced a huge success is "Fatty and the Broadway Star," the Triangle-Keystone comedy which opened at the Page theater yesterday and repeated again today.

This extraordinary comedy features Roscoe Arbuckle and introduces nearly all the best-known and moving picture stars now at the famous Triangle studio, including Mack Sennett, William Adolphe White and Fatty, Nam Bernard, Edna Stewart and Al St. John, which is a divided novelty for the Page theater patrons.

The other picture play on the Triangle bill, "Jordan Is a Hard Road," is a Griffith version of Sir Gilbert Parker's famous novel of the Canadian northwest.

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 The Medford and Mt. Pitt Cigars