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A good oil stove is just like cooking with city gas. If you haven't a New Perfection you've missed comfort for years. Bakes, broils, roasts, toasts. More efficient than your wood or coal stove, and costs less to operate. Cuts out the coal-bod and wood-bod drudgery. Keeps your kitchen cool. The long blue chimneys prevent smoke or odor. In 1, 2, 3 and 4-burner sizes, ovens separate. Also Cabinet Models with Fireless Cooking Ovens. Ask your dealer today.

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CODLING MOTH SPRAY RECOMMENDATIONS

(By Leroy Childs, Hood River Experiment Station)

The continued cool weather of the past month has greatly retarded the development of codling moth, a factor which has materially delayed the application of the 30-day, or second codling moth spray. In view of the fact that there occurred during the past year an over-abundance of codling moths, the use of arsenate of lead should not be omitted in any orchard in the valley, that we may not have a duplication of infestation that occurred last year. Many moths over-wintered in the orchards and it will only be a case of thorough, well-timed spraying for this pest that we have clean fruit at harvest.

The many factors that present themselves at this time makes the recommendation of a general scab spray very problematical. The investigations carried on by the experiment station have not been extended over a sufficient period of years, covering seasonal variations, to warrant the use of a fungicide with absolute safety, yet we know that with rainy, damp weather occurring the present leaf infestation will give rise to fruit infestation unless a fungicide of some sort is used in the next spray.

It is the recommendation of the experiment station that each grower carefully analyze his individual case and choose from one of the following suggestions as to the method of procedure he should follow.

The present development of the codling moth indicates that the lead should all be on the trees by the 20th of June. This is very late to use lime-sulphur with safety, unless cool weather prevails or a burning of fruit may result.

The following suggestions are offered to suit the different orchard conditions:

A—Orchard practically free from fruit and foliage infection by the 10th of June:

- 1: Use atomic sulphur 10 pounds to 100 gallons, if the material has been used in one of the earlier sprays. Add arsenate of lead.
- 2: Weather cool (not over 80 in the shade) use lime-sulphur one to 45. Do not drench the trees. Add arsenate of lead.
- 3: Weather apparently settled and not on or after the 10th of June. Use only arsenate of lead.

B—Orchard showing considerable fruit and foliage infestation by the 10th of June:

- 1: Use atomic sulphur 12 to 100, if this material was used in one of the earlier sprays. Add arsenate of lead.
- 2: Or use lime-sulphur one to 40. Add arsenate of lead.

On account of the high price of blue stone the use of this material is almost out of the question. It can only be used with safety after the "fuzz" has left the apple. A condition which is not the case this year on account of the lateness of the season.

In orchards showing considerable fungus at the present time it will hardly be safe to omit the fungicide even though some burning results. In three years of experimental work carried on in Hood River the greatest loss that has occurred in our lime-sulphur experiments has not exceeded 10 per cent. However, this season is ten to fifteen days later than we have had to deal with in the past. A factor which might slightly increase the injury. Avoid drenching the trees with spray at this time and do not apply anything, even the arsenate of lead alone, if the weather is extremely hot; that is, during the middle of the day.

The uncertainties that we have to deal with in this last spray clearly indicates the value of accumulative data gathered over a period of years, to meet the varying conditions and the necessity of stability in carrying on such work.

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It will be a long time before you have an opportunity to buy New High Grade Merchandise at such unusually low price as we now offer

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(No Exceptions, No Reserves, You can save money on anything you buy here.)

Our Guarantee of Satisfaction or Money Back Holds Good Now as Always

Green Trading Stamps Given with Sale Prices Is Another Reduction

We bought heavy for Spring on account of the rising markets. The season as you know has been very backward; we are overstocked; we need the money; otherwise, we would not reduce prices now as we cannot not replace a single line of merchandise at the prices we now own them. If you are wise and have any money at all, BUY NOW; those of you who keep in touch with business in any way know that present prices cannot be maintained very long—this is your opportunity.

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Made in high neck with long sleeves, or Dutch neck and elbow sleeves. Made of genuine indigo dyed blue denim, or blue and white hickory stripes for all the year wear, and in lighter weight fast color material in dark blue, cadet blue, tan or dark red for summer wear. All garments trimmed with fast-color galassa. Sizes 1 to 8 years. Awarded the Grand Prize at P. P. L. E.

Look for the Two Horse Label, none genuine without it. If your dealer cannot supply you, we will send them, all charges prepaid on receipt of price, 75c per suit.

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ADVICE ON IRRIGATION IS GIVEN

(By Gordon G. Brown, Horticulturist, Hood River Experiment Station, June 5, 1916.)

Despite the fact that precipitation in the Hood River Valley since January first has almost equalled that of an average entire year, the writer wishes to call the growers' attention very briefly to the subject of irrigation as applicable to local conditions.

The grower should use every precaution to guard against allowing or chard soils to dry out this season. On the other hand it is equally important that a wrong interpretation be not placed on the above statement. In order to insure best results, it is fundamentally important to maintain uniform moisture conditions during the coming growing months. Just what this is for each individual orchard or soil has not been worked out but in a general way it becomes a matter of accurate judgment.

The writer has had an opportunity to visit many orchards thus far in the valley, especially with reference to so called "winter injury," and it is apparent that soil moisture conditions have an exceedingly important bearing upon this subject. Just what the exact relation may be has not been determined because of the many other factors involved, but in most instances aggravated and serious consequences from winter injury are directly associated with a lack of uniformity of moisture during the previous growing season.

The only safe recommendation that can be made at present is to avoid extremes. Don't allow the soil to become too dry. Don't allow it to become excessively wet and waterlogged. Don't expect that irrigation may be used as a reliable substitute for proper cultivation.

The ground is becoming dry now despite all the rain we have had. The sweeping winds are licking up tons of moisture hourly, which either must be conserved by cultivation or soon replaced by irrigation. The best orchardists believe that frequent examinations of the stem, branches, foliage and fruit are not enough. The roots and soil should likewise be examined. The best advice is: find out

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Come in and look over our stock. Nothing above wholesale prices, majority articles below cost. Everything Must Go. Building Leased and Must commence remodeling July 1st.

S. E. BARTMESS

Portland-Hood River Auto Service

An automobile stage will be operated between Hood River and Portland, making one round trip daily; leaving the Mount Hood Hotel at 8:00 a. m. returning about 6:00 p. m. This will give you an opportunity to see the Columbia River Highway at a very small expense; make your reservation at Mount Hood or Hotel Oregon.

Fare One Way \$2.25 Round Trip \$4

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Weekly Climatological Record

Furnished by Fordham B. Kimball, Co-Operative Observer of the United States Weather Bureau. For week ending May 27, 1916.

Date	H. T.	L.	Precip. in. and 100	Char. of Day
21	56	44	0.05	P. C.
22	54	38	0.44	P. C.
23	60	36	0.03	P. C.
24	63	43	0.39	P. C.
25	60	45	0.07	P. C.
26	60	42	C.
27	66	42	C.

C-Clear P. C.-P. Cloudy C-Cloudy
F. B. KIMBALL, Cooperative Observer.

MONTHLY SUMMARY
MAY 1916

Mean Maximum.....	64.4°
Mean Minimum.....	39.5°
Mean.....	51.9°
Total Rainfall.....	1.81 inches
Number Clear Days.....	14
Number Partly Cloudy.....	12
Number Cloudy.....	5

Signed
F. B. KIMBALL,
Cooperative Observer.

where the bulk of the feeding roots is located, ascertain the nature of the soil around them, and make frequent tests as to the moisture which it contains. A light shower followed by warm sunshine may refresh the foliage of fruit trees, but its effect on the soil is more likely to be injurious than otherwise. A brief, pelting rain followed by sunshine forms a crust on the surface of moist soils, and if this is not soon broken up by cultivation, it checks the free circulation of air in the soil and also tends to increase the amount of water evaporation.

It has been found that the amount of moisture held by the soil, the temperature of both soil and air, and the rate of wind motion are the chief factors in the evaporation of water from soils. In a series of experiments made at Tulare, California, it was found that from soils which received different amounts of water from June 15 to Sept. 15 that the loss by evaporation varied from eighty to one hundred and six per cent.

The results of other experiments have shown that when the water is applied to the surface of orchard soils the loss by evaporation is very great so long as the top layer remains moist. The necessity of using narrow and deep furrows followed by thorough cultivation is apparent.

The Hof Brau Lunch is a popular place of quality nor quantity. Chicken dinner on Saturday's at 11:30. We aim to please our patrons. Harry Duck. a20tf

Berry tickets made to order at the Glacier office.

O-W. R. & N. Co. Time Table
WEST BOUND

No. 11, Soo-Spokane-Portland 6:00 a. m.
No. 19, Port. P. S. Exp. 9:25 a. m.
No. 1, Portland Local 2:45 p. m.
No. 17, Ore. & Wash. Limited 4:50 p. m.

EAST BOUND

No. 6, Salt Lake Express 1:10 a. m.
No. 2, Pendleton Local 10:30 a. m.
No. 18, Ore. & Wash. Ltd. 11:58 a. m.
No. 4, Portland-Puget Sound 9:08 p. m.
No. 12, Spokane-Port. Pass. 8:50 p. m.

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Hood River Cigar Factory
F. M. WHITE, Proprietor
Manufacturer of
High Grade Cigars

Pass the Apples

When every pool in Eden was a mirror, That unto Eve her dainty charms proclaimed, She went undraped without a single fear or thought that she had need to be ashamed.

'Twas only when she'd eaten of the apple That she became inclined to be a prude, And found that evermore she'd have to grapple with the much-debated problem of the nude.

Thereafter she devoted her attention, Her time and all her money to her clothes. And that was the beginning of Con- vention, And Modesty, as well, I suppose.

Reaction's come about in fashions, re- cent, Now girls conceal so little from the men, It would seem, in the name of all that's decent, Some one ought to pass the apples 'round again. —Spectator.

Social Aspirations.
"She likes publicity, eh?"
"Does she? Why, she thinks the so- ciety column ought to make an item of it when she gives a little breakfast to a tramp."—Louisville Courier-Journal.

Retort Courteous.
She-I never helped you to make a fool of yourself. He-You didn't? Didn't you marry me?—Baltimore American.

A Hold-Up

If a man—holds you up—once—that's his fault—but if he—holds you up—twice—that's your fault. We don't—hold you up—because—a hold-up man—is—a sure—loser. And—if you—are held up—you lose—too. So—you see—we both—loose—that way.

Next winter—you may think—that you—are being—held up. So—you—had better—listen—to us—now. Green slab—is cheap—at present—and—it doesn't—cost—a cent—for sunshine—to dry it. You get—the idea.

Listen—We still—give—good measure—and—remember—we—are giving—you—this hunch. TRANSFER & LIVERY CO.—Telephone 4111.

Notice of Road Improvement

Notice is hereby given that the County Court of Hood River County, Oregon, will receive sealed proposals for the building of 3300 feet, more or less, of road at Winans, in Section 6, Township 1 North, Range 10 East of the W. M., in Hood River County, Oregon, over the course specified in the plat thereof now on file in the office of the County Clerk of Hood River County, Oregon, by clearing and grubbing a roadway, preparation of a road bed, excavation of cuts and placing of embankments, all in accordance with said plans and specifications on file in the office of the under- signed Clerk, where the same may be seen and inspected by proposed bidders. Bids will be received at the office of the County Clerk in Hood River County, Oregon, up to Saturday, the 17th day of June, 1916, at the hour of 10 o'clock a. m., at which time or as soon thereafter as said bids may be checked, the contract for said work will be let to the lowest and best responsible bidder therefor, the County reserving the right to reject any or all bids. Each bidder will be required to deposit with his bid a certified check for five per cent of the amount of such bid, which shall be forfeited to the County in case the contract is awarded to him and he shall fail, neglect or refuse for a period of five (5) days after such award is made to enter into a contract and file a bond as by law provided. Said work will be re- quired to be completed within thirty (30) days from the date of entering into such contract, and the bond required of the successful bidder will be for fifty per cent (50%) of the contract price of the work, conditioned that such con- tractor will well and truly in a manner satisfactory to the County Court and in accordance with the plans and speci- fications perform the work contracted for and save the County harmless from any expense incurred through the failure of such contractor to complete said work as specified within the time here- in mentioned; and further, that he will promptly make payment to all persons supplying labor or material for the prosecution of said work under said contract. Payment for said work will be made in accordance with Chapter 142 of the Laws of Oregon, 1913.

KENT SHOEMAKER,
County Clerk.

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