

AGRICULTURIST GIVES GOOD ADVICE

COUNTY AGENT LOVETT WRITES OF SWEET CLOVER AS A CROP ESPECIALLY ADAPTED TO BOTH IRRIGATED AND DRY FARMING SECTIONS—URGES PREPARATION OF SUMMER FALLOW NOW.

By COUNTY AGRICULTURIST A. E. LOVETT.

Prepare Summer Fallow Now.

Unless the summer fallow is properly conducted, it is practically useless. In some sections, the fallow is necessary to allow the soil to build itself up for further cropping but, in our dry farming section, this is not the primary reason for it. It takes a very large amount of moisture to grow a crop of small grain not only because of the amount used by the crop itself but also because of the great amount of evaporation from the soil surface of the field. By very careful tests, it has been found that it requires about 1300 pounds of water to make one pound of wheat in the field. Multiply your yield of wheat in pounds by 1300 and you have the amount of moisture that the wheat itself has taken from your field; probably this amount has evaporated from the ground in the field; figure this out and you will see what an enormous amount of water is required to grow your grain.

The reason, then, for our summer fallow in our dry farming section is not (or should not be) to rest the land but to increase the moisture content for the soil for the growing of the crop, although the land is benefited by the "rest." If we had the rain, we would not summer fallow. Our object, then, in preparing our land for the fallow should be to increase the water holding capacity of it and prepare it in time that it might obtain and hold the greater amount of moisture. When we plow for the fallow in the late spring after the rains have stopped, we simply aerate the soil and diminish the amount of water in it.

As soon as the grain is cut, the stubble land should be disked as deeply as possible. This will pulverize the surface, prevent the evaporation of any moisture that may remain and usually causes a loosening of the soil underneath, so that it may be plowed in from one month to six weeks later. If possible, plow the land in the fall; by this method, you not only secure and hold two winter's rain for your crop but also destroy many of the insects which attack your crop, including the wire-worm. Plow at least eight inches deep and as much deeper as possible but do not turn up more than about three inches of a new soil any one year; that is, if you plowed the field six inches deep last time, do not plow more than nine inches this time. Fall plowing should usually be left rough, not harrowed, till spring in order that it may catch all of the rain and snow possible. As soon as the drier weather comes in the spring, plow and loosen the surface in order to hold all of the moisture you have caught. Keep the surface and the field clear of weeds throughout the fallow season by using the disk harrow, the weeder, the spring or the spike tooth harrow as the case may require. If you must leave your plowing for the fallow until spring, get it done as early as possible—not later than April and the earlier the better.

Fall plowing will pay best and immediate disking of the ground after the present crop is removed will always pay. The moisture is what you need. Work to conserve that.

Sweet Clover a Valuable Crop.

Sweet clover has so long been considered a noxious and dangerous weed that it is very hard for the majority of us to even consider it as feed and we cannot be blamed for hesitating when it comes to buying the seed and planting it on our farms. The same has been true of farmers in other sections of the country but it has been proven to be not only a good and valuable feed for all livestock but also a crop that it not hard to control if we should not wish it on our farms.

On an irrigated farm where alfalfa will grow and produce good crops of hay and where the crop is grown for hay only, sweet clover would prove no more valuable and should not be planted. When you have this land or for any other reason the alfalfa does not produce well, the sweet clover will probably pay you better than the alfalfa does. On dry land where alfalfa will not grow, sweet clover will make a good crop if the chance is given and I believe will prove a great crop for the dry farmer in this section.

According to bulletins and articles from stations and men in Kansas, Oklahoma, Iowa, Illinois, Ohio, Kentucky and Alabama, sweet clover is not a weed, is not hard to exterminate, is equal to alfalfa for pasture, will not bloat cattle or sheep, has practically the same feeding value as hay or alfalfa, is better than any of the common clovers as a green manure, will grow where other clovers and alfalfa fail and prepares the soil for alfalfa. Frequently stock do not eat it until they become accustomed to it; they will learn to like it if fed or pastured on it while it is young and tender. If allowed to grow too large, the stems become hard and bitter and the leaves fall off. It will grow on low, wet, alkali or acid soils, on hard, compact soils or on most poor soils.

I am of the opinion that sweet clover will prove valuable on some of our irrigated lands in this section and am quite sure that it will prove of great value on practically all of our dry farming lands. Where we want a good pasture crop similar to alfalfa, sweet clover will undoubtedly fill the bill, but as with alfalfa, probably a green pasture for an occasional change would pay. Our dry farming sections are badly in need of two or more crops to rotate with their small grains on the land and sweet clover is undoubtedly one of the crops that can be profitably raised.

The best time for planting this

crop in this section will have to be determined definitely by practice. In most sections it has been found best to plant from January to April or May; in some sections, fall planting has proven good. Am of the opinion that either will prove successful here. It requires a solid seed bed; pack the land well before seeding. There are several varieties; get either the white blooming or the yellow biennial. Sow about twenty pounds per acre.

I should like very much to get in touch with those who are raising or expect to raise sweet clover in order that we may co-operate and determine the actual value of the crop to our section. Address me at Redmond, Oregon.

AGRICULTURAL BULLETINS

List of Recent Publications Issued from O. A. C. at Corvallis.

CORVALLIS, July 27.—The following bulletins, issued by the Extension division of the Oregon Agricultural College have been published since January 1, 1914, and copies may be had by residents of Oregon upon request:

Oregon corn by H. D. Scudder.
How to conduct a fly campaign by H. F. Wilson.
Fruit and vegetable by-products by C. I. Lewis and W. S. Brown.
Feeding young chicks by Miss Clara Nixon.
Making Babcock test and keeping the records by W. A. Barr.
Feeding and care of dairy cows by E. B. Fitts.
Fowl tuberculosis by T. D. Beckwith.
Septic tanks and absorption systems by T. D. Beckwith-T. A. Teeter.
Feeding the dairy cow by R. R. Graves.
Raising the dairy calf by E. B. Fitts.
Farm butter making by O. G. Simpson.
Silos construction and silage feeding by R. R. Graves-W. A. Barr.
Improving Oregon dairy herds by R. R. Graves-E. B. Fitts.
Breeds of chickens by J. Dryden.
Handling of the fruit crop by C. I. Lewis-W. S. Brown.
Growing the Oregon potato crop by H. D. Scudder.
How and when to spray the orchard by H. S. Jackson.
In addition to the foregoing list 31 Industrial Club bulletins have been issued for special use of the members of the Boys' and Girls' Industrial Clubs of Oregon.

HOG CHOLERA BULLETIN.

The Portland Union Stock Yards Co. has recently issued a Bulletin entitled "Hog Cholera—What is it?" which it offers to send to any who apply.

GETS PLEASANT SURPRISE.

(Oregon Journal.)

The receipt of a check for \$4.83 from County Clerk Coffey by Attorney C. S. Benson, of Bend, Oregon, brought a letter from Benson this morning asking "why?" Benson states that he had never heard of a public official rebating anything before. The check represented the remainder of the filing fee in a suit. Of the \$11 originally deposited \$6.15 was needed for fees and the remainder, by law, must be returned to the litigant who made the deposit.

A Grave Injustice

Do those who advocate the absolute prohibition of the manufacture and sale of all alcoholic liquors realize the seriousness of the social and economic crisis that would be precipitated by such legislation? Are they aware of the fact that the heads of families aggregating probably not less than three million people would suddenly be deprived of their sole means of livelihood, and that properties valued in the aggregate at perhaps two billion dollars would as suddenly become worthless?

It is doubtful if they do fully realize this, yet these are figures given by no less a writer than Dr. Henry Smith Williams in an article in the "Ladies Home Journal," reviewing the prohibition movement. And he adds: "Personally I am at a loss to understand how anyone who has the slightest grasp of economic questions can contemplate with equanimity the anarchy which would result through the slightest use of the imagination in connection with these figures. To me, at least, it seems obvious that the only thing which has kept the prohibition movement before the people of the United States is the simple fact that prohibition does not prohibit."

Thinking men and women who seek the truth and are unswayed by prejudice, and who give the foregoing facts the consideration they deserve cannot escape a like conclusion. —Paid Advertisement.

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REAL ESTATE TRANSFERS.

Issued by Crook County Abstract Co.

J. A. Easte to Richard King, SE SE 1/4 SE 31-11-11.

Cove Power Co. to Deschutes Power Co. Bill of sale. Power plant.

Same to same SE SW, SW SE, E 1/2 SE, 11-12-12.

Same to same SE SW, SW SE-E 1/2 SE-11-12-12.

Same to same H. 12, Bk. 27, Calver.

Jerry Richardson to Robert Smith E 1/2 SE NW, SW NE, 24-15, \$1000.

Bend Park Co. to Gus Tietjer Hs. 14 and 15, B 110, First add to Bend Park, \$300.

Alameda Orreck to Crook Co., right of way for road (Mill Creek.)

James E. Fuller, same.

William H. Barney same.

Richard King and Corn A. Jones agreement to sell or buy 8 1/2 NW, 30- and W 1/2 NW 29.

Bend Park Co. to T. Waldron Hs. 1, 2, 3, 4, blk 1, Bend Park and Hs. 1, 2, 3, blk. 126, First add Bend Park, \$552.

Henry Linster to Hattie Matts Hs. 10-11-b -- Aubrey Heights.

S. P. Lev to Bend Park Co., H. 6, blk. 118 First add Bend Park.

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CHURCH NOTICES

Presbyterian.

Services next Sunday will be as follows: Sunday school at 10 a. m. Preaching at 11 a. m. The theme for this service will be, "Faith and Feeling." Preaching at 3 p. m. The theme for the evening discourse will be "Discipleship in an Evil Day." The public is cordially invited to worship with us. H. C. Hartranft, pastor.

Methodist.

Sunday school 10 a. m. Epworth League 7 p. m. Preaching service, 11 a. m. and 8 p. m. Roy Vinyard will preach next Sunday evening and will speak especially to the young people. C. A. Smith, pastor.

Baptist.

There will be no preaching by Rev. E. G. Judd at the Baptist church on August 1 and 3. Sunday school and Bible study will be held as usual.

FOR RENT—Two room suites furnished for light house keeping. Henkle & Ryan. 121f—Adv.

One cent a word is all a little want Ad will cost you.

MARKET REPORT.

NORTH PORTLAND, July 24.—Receipts for the week have been, cattle 555, calves 16, hogs 1689, sheep 4039. Light receipts of cattle for the week, with good demand, prices being fully 25 cents higher on all grades. Top on steers \$7.25 to \$7.30; cows and heifers of best quality moving at \$6. Swine run also light, outlet broad and demand urgent, \$8.75 was top first half of the week, but price rapidly climbing to the 9 cent level, as two loads sold Friday at \$8.90. Medium receipts of sheep and lambs, both in quality and quantity. Very little east of the mountain stuff offering, most of the receipts being from western Oregon points. Prime ewes \$2.85 to \$4; medium ewes \$3.25 to \$3.75; spring lambs \$5.50 to \$6.

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