

CONSERVE MOISTURE IN SOIL, SAYS PROF. SCUDDER, OF O. A. C.

Rainfall in Gilliam County Sufficient Even in Driest Seasons to Produce Fine Yield of Wheat—Wants Farmers to Do Mulching to Preserve Humus in Soil.

Professor Scudder, of the department of agronomy at the O. A. C., lectured Thursday evening on the subject of conserving moisture in the soil. He gave a most interesting address. Among other things he said that Gilliam county was one of the greatest wheat producing sections in Oregon, the last year 3,500,000 bushels of wheat were raised in this county. "This year on account of the extreme dryness, your production will not be so large it may not be half," said he. Some of you raised ten bushels to the acre, others fifteen, a few twenty, and one or two got thirty. There are no good reasons why all of you should not have harvested, at least, twenty-five bushels this year, if you had farmed properly. Every man can make a crop here; the soil is the most productive I know of. It is good farming that you want here. It is a matter of proper tillage. You must conserve the moisture. Cropping will preserve the humus in the soil and will increase it.

Professor Scudder made a statement which at first, seemed rather startling. He said that it took forty tons of water to produce one bushel of wheat but every inch of rain fall yields 110 tons of water. "With the ten inches of rain, recorded at Condon, you farmers should have had thirty bushels to the acre, if all the moisture had been properly conserved," said he.

"You haven't been retaining the moisture with which Nature has blessed you. Put a lid on; and conserve this moisture in your wonderful soil." To do this, the college farmer suggested mulching. He explained the theory of capillary attraction or the upward motion of moisture out of the ground. A mulch will prevent this process from taking place. The expert argued for soil mulch because it will do away with capillary attraction and prevent evaporation. The ascending of the oil in the

wick of a lamp illustrates capillary attraction.

The expert suggested that in some sections it may be necessary to prevent surface washing but what is needed here to insure good yields is the preservation of the humus.

This may also be brought about by putting decayed vegetable and animal matter on the land. Humus is an absorbent and retains moisture and is a producer of nitrogen an element needed for crop growing.

"Continuous wheat growing will burn out the humus quicker than any one thing. You may increase the humus, by crop rotation, by green manuring, that is the plowing under of green crops such as peas and alfalfa. The growing of corn and of certain grasses will build up your soil. Corn will prove doubly profitable. Use the legumes; wild pea, alfalfa, etc., they are rich in nitrogen. It takes continuous, persistent efforts to get a good stand of alfalfa but it pays. Down in Kansas, some farmers tried for seven years to get a stand of alfalfa and were finally successful.

Mr. Scudder is opposed to farmers persisting in sowing forty-fold wheat. He advocated the growing of turkey red for it is better adapted to stand the test of dry seasons and will grade higher at the mills. This has been demonstrated by experiments conducted in Sherman county by progressive farmers, said the speaker.

About Smut

Regarding the eradication of smut, Prof. Scudder said that the use of copper sulphate is practically worthless. He advocated the use of 40 per cent formaldehyde. It is a sure eradicator of this sporadic pest. In using the mixture it must be applied freely, everything connected with the preparation of the wheat for sowing the drill, the sacks, etc., should be treated with the mixture so as to make them immune from all smut spores.

From Every Section of Gilliam County

John Harrison returned Saturday from The Dalles where he spent a few days attending the fair.

"Mickey" Tierney came up from Arlington Wednesday.

Jas. Church of the Gilliam Co. Milling Co. made a flying trip to Rock Creek on Thursday.

A marriage license was issued at The Dalles on October 10th by County Clerk F. R. Angle to Edward Somerville of this city and Geordie Cross of The Dalles.

Ed. Meek of Ferry Canyon left Thursday for Klamath Falls and other points in Southern Oregon. He expects to remain in that territory for a month with a view of investing if he is suited.

E. C. Rogers left Wednesday for a few days' business visit at Shaniko.

S. C. Dodson sold the remainder of his stock this week to Jost & Phillips, the enterprising merchants of Clem. The stock is being invoiced and will be on sale at their store next week.

Fred Anderson returned to this city Monday and has again taken his former position in this office.

A JEWELER'S EXPERIENCE

C. R. Kluger, the Jeweler, 1060 Virginia Ave., Indianapolis Ind., writes: "I was so weak from kidney trouble that I could hardly walk a hundred feet. Four bottles of Foley's Kidney Remedy cleared my complexion, cured my backache and the irregularities disappeared, and I can now attend to business every day, and can recommend Foley's Kidney Remedy to all sufferers as it cured me after the doctors and other remedies had failed. Condon Drug Company."

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Do your repairs on Watches, Clocks or Jewelry. Williams the Jeweler and Graduate Optician, N. Main Street

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Fresh and Cured Meats, Beef, Pork, Mutton and Veal

A SHARE OF YOUR PATRONAGE IS SOLICITED

Corner Spring and Oregon Streets

CONDON, OREGON

LIST OF AWARDS

(Continued from Page 2)

Oscar Maley

Wheat, 40-fold, second; Sweet corn, 1st; popcorn 1st, cauliflower 1st. Pears—Bartlett 2nd; Fall Butter 1st; Winter Nellis 2nd; Idaho 1st. Apples—Waxen 1st; Art. Black 1st, R. I. Greening 2nd. Prunes Italian 1st; potatoes Burbank 2nd. Chickens; grade 1st.

F. E. Rogers

Pears—Idaho 2nd; Bartlett 1st.

C. J. Quinn

Potatoes—Peerless, 2nd; Early Ohio 1st.

Mrs. C. J. Quinn

Trio S. C. White Leghorn 1st; cock, White Leghorn, 1st; Hen White Leghorn, 1st; plate of eggs 1st.

Mrs. W. J. Quinn

Bread, Mayville flour, 1st.

Jess Munger

Potatoes—Chicago 2nd; parsnips 1st.

Wm. Vanhorn

Potatoes—Chicago 1st; Sunflower, 1st.

B. T. Smith

Apples, Grimes Golden 1st; peaches—Lemon Cling, 1st; Salaway 1st. Muscat grapes 1st; Bartlett pears 2nd; radishes 1st; Melons Sweetheart, 1st and 2nd; beans 1st; sorghum 1st; millet first.

Rasmus Rasmussen

Creamery butter, first.

Mrs. W. J. Taylor

Chickens—R. O. Red pullets, 2nd; same cockerel, 2nd; trout canned 1st; House cat 1st; yeast first.

Mrs. I. A. Henderson

Slumber robe, 2nd.

Mrs. W. G. Keys

Silk quilt, special premium. Alfalfa, 3 crop coll. 1st.

Mrs. L. A. Miller

Center piece embroidery, 1st; quilt silk, 1st.

Mrs. D. B. Thomas

Needle work, best display, 1st; best embroidery, 2nd.

Elizabeth Maley

Tidy, knit cotton, 2nd.

Lizzie Palmer

Sofa cushion, embroidery, 1st.

Ellen Palmer

Quilt, cotton, 1st.

Dora Madden

Battenburg embroidery, 1st.

Zadia Putnam

Embroidery, 2nd.

Stant Dement

Sweet Corn, 2nd

Mrs. W. H. Pentecost

White Geese, 1st.

S. P. Wattenburg

Potatoes, Early Everett, 1st.

D. T. Santo

Mill products, 1st; Flour 1st; photos 1st; landscape photo, 1st.

Mrs. R. W. Donnelly

Peaches Indian, 1st; canned peaches, 1st. Also first in the following: apricots, red cherries, white cherries, currants, watermelons, Sarvice berries and pears canned. Bead work, first.

N. W. Reese

Pears, Pound, 1st; corn, Yellow dust, 2nd; Almonds, hard shell, 1st.

Ora Black

Pillow covers, embroidery 2nd.

J. P. Rudolph

Turkey, 2nd, hen, 1st; W. R. cockerel, 2nd, pullet 2nd, cock 1st, hen 1st.

Hugh Smith

Colt grade, 1st. blue ribbon

Ed Morgan

Chickens Wyandott, 1st.

Wm. Wehrli

Wheat Early Wilbur, 1st; squash, Hubbard, 1st, goose, Toulouse, 1st.

Abby Coryell

Centerpiece, hand embroidery, 1st

Ruby Coryell

Center piece, embroidery 2nd

Florence Smith

Waist, handwork, 1st.

Aida Kizer (under 16 years)

House plants, 1st; cake, 1st.

J. W. Weekly

Apples Blue Permain, 2nd.

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School Notes.

BY LESLIE HARRAN.

Attendance was good last week considering the fair at Mayville. Only four were absent last Friday.

Miss Mildred Randall spent Sunday with her folks of Olex.

Prof. Sturgill was absent from his duties last Tuesday, on account of sickness. He was on deck again Wednesday.

The boys intend to organize a football team and "wipe the earth," with Fossil.

Report cards were given out last week. The average grade was good.

Several of the high school boys are members of the Athletic Club. This is undoubtedly a good thing for a pupil as the exercise does him good after a hard days work in Algebra or Latin.

SAVED HIS BOY'S LIFE

"My three year old boy was badly constipated, had a high fever and was in an awful condition. I gave him two doses of Foley's Orino Laxative and the next morning the fever was gone, he was entirely well. Foley's Orino Laxative saved his life." A. Wolkush, Casimer, Wis. Condon Drug Company.

HOMESTEADERS, ATTENTION

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