Oregon Agricultural College is the Friend of the Farmer

A Page of Bulletins and News Notes Concerning the Staff at Corvallis.

A GOOD POULTRY RATION.

contains the required food elements in approximately the right pproportion, department until next fall. and in the forms most economical in the locality where the feeding is done, Professor James Dryden, head of the poultry department, Oregon Agricultural College, has prepared a list of five more or less exact rations for one laying hen for one year. The following is ration No. 4, considered to be one of the best for most places in Oregon:

Cost

45

Material No.	of	Pounds	- 6
Wheat	30		
Oats	10		
Bran	10		
Corn	5		
Beef scrap	5		
Corn meal	5		
Linseed meal			
Middlings	5		
Shell	3		
Chareoal	2		
Green food			

Total

While the cost of the above ration will vary in different seasons and at different places, it is thought to be very close to the average cost. Most of the material, such as wheat, oats and corn, can be produced more cheaply on the farm, and is marketed more economically when in the halls. Two dollars will be charged converted into poultry products. Other material such as green food, charcoal, grit and shell or their substitutes, can be furnished from natural sources with but little cost. Often milk and other farm products can be substituted for some of the materials that otherwise would have to be bought. By a careful study of the given rations the poultry men will be able to supply the necessary food elements by substituting a more difference in egg production and in size schools. Definite courses will be proof fowls.

than the average six dozen egg hen is by personal visitation and supervision." at once apparent. The yearly product of such a hen has an average value of about \$1.50. The yearly production of a good layer is worth twice that amount; and most of the increase represents a clear profit.

. . . WEED PESTS OF OREGON.

SHEEP sorrel is spreading rapidly over large areas and because of

the large number of seeds formed on each plant bids fair to become a serious weed pest in Oregon, " writes E. P. Walls, of the Agricultural College botany and plant pathology department, in the Pacific Homestead. "Weeds may be objectionable because of their poisonons qualities and on account of their crowding out more valuable plants. Sorrell seed is said by some writers to be poisonous when eatin in large quantities by horses, but the plant can hardly be called poisonous."

s are stalked, have ear like ap pendages at the base, and are shaped somewhat like an Indian arrow head. SECURING GOOD LIBRARIES. Flowers are of two kinds, pollen bearing and seed bearing, and seeds very small. They are found in clover and

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STUDYING PEACH-TWIG MINER. Agricultural College entomological department with the peach-twig miner. Professor Wilson, entomologist of the college, spent last week in that territory looking after the work.

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SUMMER SCHOOL COURSE. NNOUNCEMENTS of the summer School at the Oregon Agricultural College have been made by Professor E. D. Ressler. June 15 and July 24 .121 are named as the dates of beginning and ending the summer sessions. Special railway rates of one and a third fares growing potatoes added to the natural .03 have been granted by all railroads operating in Oregon, good between the dates of June 5 and July 28. The two college dormitories, Waldo for women ually excellent. 1.483

and Cauthorn for men, will be opened to the students and will accommodate ore than 200 students with board and lodging. The use of the rooms with beds, mattresses, tables and chairs, will be free to those who make their homes for light, heat and use of laundry. Table board will be \$3.50 per week at Waldo. "The college realizes its responsibility in fitting the teachers for teaching elementary agriculture, manual training, domestic science and art, and other branches of industrial learning in the schools of Oregon," declares the announcement. Experienced teachers who devote their whole time to training for these duties will be able to secure sufeconomical material. Of course the branch of industrial work in their amounts should vary slightly with the schools. Definite courses will be provided, lesson plans worked out, and de-If it is to be conceded that the cost tailed instruction given. These teachers of maintaining a hen for one year is will be further helped by correspondence that each succeeding erop becomes shows signs of spreading up or down \$1.50, the necessity of securing better sources throughout the entire year and poorer." Prospective students and all teachers who are interested in the O. A. C. summer school will receive a copy of the Bulletin upon request mailed to H. M. Tennant, Registrar O. A. C., Corvallis, great capital or special skill, according bought from the druggist, who will Oregon.

. . . STUDENT APPOINTED.

A. C. last year and has since filled a ger of being overdone. position in the Iowa experiment station at Amos, has been appointed an assistdepartment of agriculture. Mr. Harrington's appeintment is based on a com-

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orticultural department.

PERFECT ration for laying hens will carry on this work during the sum-contains the required food elements mer and remain in charge of the level and relation for several years, made by Professor G. E. Skelton, of and apple leaf hopper. Professor Safro been used to good advantage in many Judge John F. Hall and addresses were mer and remain in charge of the local and no doubt the benefit of the ex- the highway engineering department at perience gained in conducting it could the Oregon Agricultural College. The be had by writing to any of the libra dates for the good roads meetings in rians in charge. Also much useful help Coos county were: Myrtle Point, May TAPERIMENTAL work is being done may be had by writing to Miss Marvin 11; Coquille, May 12 in the Hermiston district by the interview who is in charge of the state Marshfield, May 16. may be had by writing to Miss Marvin 11; Coquille, May 12; Bandon, May 13; library."

. . . PROFITABLE POTATO CROP.

most uniformly profitable results, net-ting from \$40 to \$50 per acre,'' says and officers of the Oregon counties in Professor Scudder in his Agricultural regard to the construction of highways College Bulletin on growing potatoes. throughout the state. Professor Skel-"It is for this reason that in all diversi- ton advocates primarily the use of local fied farming in this state the potato material for the construction of Oregon might profitably be given more atten- highways. tion. The use of a little extra care in The market for Oregon potatoes is us-

"Potatoes are an intensive cropthat is, they will give an increasingly higher yield per acre with every bit of extra care addded. At this time much of the crop is grown by the general farmer, for whom the potato crop often gives an excellent cash return with very little care. Rather than giving the potato crop the additional care due to an organism that lives over winrequired to get the best results in un- ter in the edges of the old cankers, esfevorable seasons, the farmer depends pecially in the larger ones that were upon other crops for his cash income.

high-priced lands close to shipping points spread in late winter, enlarging the old and is of great value in a well-planned, injuries and infecting many trees growintensive crop-rotation system, helping ing near by." to maintain fertility because of the excellent condition of tilth and the de- up at once and new infections should struction of weeds that its cultivation be watched for and treated upon their poor farming methods have loft the land is affected, being careful to remove all fould with weeds and in poor tilth, so discolored tissue. If the discase

. . . RAISING SPRING LAMPS.

to Professor E. L. Potter, head of the give directions for preparing and us-Oregon Agricultural College animal hus- ing the wash. It is a deadly poison, bandry department. The industry so and should be labeled Poison, and kept FRANK M. Harrington, of Cresswell, fits in with approved crop rotations in glass, not metal, containers. Oregon, who was graduated from and is valuable in building up depleted After washing out the wound, which the horticultural department of G soils. Neither is it in immediate dan is absolutely essential to success, it

able on farms where grain, hay, clover, paint to protect it from fungi and ant hortiguiturist in the United States vetch and rape are grown. Much the heart rots. same conditions are required for this industry as for dairying, except that it indicate cankers. Bud ones sometimes petitive exactination which he wrote up need not have the same accessibility to form with very little external gum. while attending O. A. C. and is to be market and that some range land may Watch should be kept all spring for made effective at once, provided it is accepted. Whether the position will be accepted or not has not been decided by pay so large a profit as dairying con-other successful treatment for this Mr. Harrington. His position at Ames ducted in the most approved manner.

18 feet wide and 60 feet long was re-the disease will be materially reduced.

Professor Skelton has recently returned from a good roads tour of the ARMERS in different parts of States which was made primarily to in-Oregon who are making a spe- vestigate the most approved methods of cialty of potato growing, get al- highway construction in other states. He

During his work in Coos county Prof. essor Skelton desires to meet road suadvantages of soil and climate would in pervisors and with them take up the sure steady maximum yields and profit. problem of highway construction and . . . maintenance.

GUMMOSIS CANKERS.

HE cherry gummosis fight is now on," says Professor H. P. Barss,

of the Oregon Agricultural College department of plant pathology, 'and many new infections can be prevented by cutting out the old cankers. The canker disease that causes most of the gummosis west of the Cascades, is on other crops for his cash income. "The potato permits the farming of bodie lead lead of the previous season. From these hold-over cankers the disease begins to

These old cankers should be cleaned the tree, the bark should be cut away considerably beyond the discolored area. All infected substance should RAISING spring lambs is well adapted be removed. The wound should then to the elimatic conditions of West be washed with a 1 to 100 solution of ern Oregon and does not require corrosive sublimate, which can be

should be allowed to dry, and then The industry may be made profit covered with a good tree or pruning

Do not depend upon exuding gum to . disease has come to the attention of "In addition to spreading by seed the plant has large rootstocks that live in the ground from year to year, which mend up shoots every few inches. The for the plant has large rootstocks that live in the ground from year to year, which mend up shoots every few inches. The borticultural department.

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soil will eradicate the plant. The cultivation should include plowing the stub- the disastrous results of sensational finishing. ble to throw the root stocks to the sureultivated erop the next year. Liming attractive form. the soil will stimulate the crop plants "Perhaps one

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DETAILED TO FIELD WORK.

tative of the Agricultural College it is the most accessible place. In tative of the Agricultural College this way all the patrons of the library

entemologist, will conduct some experi- without undue cost to any one.

cently constructed at the college at a

total cost of \$25. It accommodates HARMFUL EXTERNAL PARASITES. ELEEEURING good libraries for storage room for hay. towns too small to purchase and The most profitable time for growing

about 50 sheep but does not provide EXTERNAL parasites frequently storage room for hay. poultry men should quarantine their

manage a public library and too a good, cheap lamb in Western Oregon flocks against them. Special methods many kinds of grass seed, which they large to depend upon the small traveling is March, April, May and June. The are required for the control of the variresemble so closely that their presence libraries is one of the greatest library best results are generally obtained by ous kinds of pests, but certain general is hard to discover until after seeding. problems the people have to solve, ' said pasturing the lambs on sown casturage. measures are often advisable

The chief injury of the plant is in Mrs. Ida A. Kidder, librarian of the It is necessary to have several fields in One of the best general methods is Agricultural College. The need of good order that each kind may be utilized in fumigation. While not very effective "Clean cultivation and liming the books and the influence of good litera- its proper season. It is also necessary against any of the external parasites, ture are quite generally admitted, while to have a special pasture to be used for it should be employed for its great sanitary value. It is conveniently applied

reading are quite as well understood. Ordinarily no grain need be used but by slipping a tent that has been treated face, keeping the surface free from the The great question in the small town is it may occasionally be fed with profit with linseed oil or earbolineum over the pest during the summer, and growing a to supply the right kind of reading in when it is very cheap or when mutton colony chicken house and weighting

is high. The grain should be fed in a down the sides with a little dirt. The "Perhaps one of the best ways to se- ereep so that the lambs may get the fumes are then applied, after which the making them outgrow the sour sorrel, cure the advantage of a good library is grain while the ewes are kept from it. tent is removed to the next hense, and and thus curtail the number of weed by co-operation between a number of small towns of the same county. A a pound a day which by extra feeding An account of the special methods

good general library can be purchased and care may be increased to nearly for most of the common poultry paraby all the towns co-operating and lo- one pound.

. . . GOOD ROADS MEETING.

sites is given in College Bulletin "Some External Parasites of Popltry." written by Dr. H. E. Ewing, research assistant

department of entomology at Hood who contribute to its support may have S SERIES of good road meetings at the Oregon Agricultural College. River, Professor V. I. Safre, assistant all the advantages of a good library S were held at various points in Coos Free copies may be had by sending for county during May 11-16. These them to R. D. Hetzel, Extension director ments in the control of codling moth "This community library idea has meetings were presided over by County Corvallis, Oregon.