HOME AND FARM MAGAZINE SECTION

Oregon Agricultural College is the Friend of the Farmer A Page of Bulletins and News Notes Concerning the Staff at Corvallis.

locality where the feeding is done. Pro-fessor 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:

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

vary in different seasons and at different places, it is thought to be very close to the average cost. Most of the matebe produced more cheaply on the farm, be free to those who make their homes eral farmer, for whom the potato crop and is marketed more economically when 12 the halls. Two dollars will be charged often gives an excellent cash return converted into poultry products. Other material such as green food, charcoal, grit and shell or their subditions the state of the state material such as green food, charcoal, grit and shell or their substitutes, can but little cost. Often milk and other mentary agriculture, manual training, farm products can be substituted for would have to be bought. By a careful schools of Oregon," declares the anstudy of the given rations the poultry men will be able to supply the necessary

of maintaining a hen for one year is \$1.50, the necessity of securing better courses throughout the entire year and poorer." than the average six dozen egg hen is at once apparent. The yearly product Prospective students and all teachers

tities by horses, but the plant can hardly be called poisonous."

be called poisonous." "In addition to spreading by seed the plant has large rootstocks that live in the ground from year to year, which for neuring with the state work, accord-ing to Professor C. I. Lewis, head of the horticultural department." caves are stalked, have ear like ap-pendages at the base, and are shaped cently constructed at the college at a total cost of \$25. It accommodates HARMFUL EXTERNAL PARASITES. . . . SECURING GOOD LIBRABLES.
 Flowers are of two kinds, pollen hearing and seeds very mail. They are found in clover and many kinds of grade seed, which they resemble so closely that their presence.
 The dise of two kinds is in trow into a plant is in trowing out crop plants.
 Clean cultivation and liming the totic wing the disestrous results of grade seeds to the suri livation should include plowing the stubilite in the are quite generally admitted, while is disestrous results of generally admitted, while he disestrous results of generally applied here to be used but the disestrous results of generality applied by slipping a tent that has been treated SECURING GOOD LIBRARIES. mewhat like an Indian arrow head. about 50 sheep but does not provide ble to throw the reot stocks to the sur-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 carbolineum 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 DETAILED TO FIELD WORK. by all the towns co-operating and lo one pound. tites is given in College Bulletin "Some THILE acting as the local represen-tative of the Agricultural College this way all the patrons of the library . . . External Parasites of Poultry," written GOOD ROADS MEETING. by Dr. H. E. Ewing, research assistant department of entomology at Hood who contribute to its support may have SERIES of good road meetings at the Oregon Agricultural College, Professor V. I. Safro, assistant at the advantages of a good library S were held at various points in Coos Free copies may be had by sending for Diver. county during May 11-16. These them to R. D. Hetzel, Extension director entomologist, will conduct some experi- without undue cost to any one. ments in the control of codling moth | "This community library idea has meetings were presided over by County Corvallis, Oregon.

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. Cost

SUMMER SCHOOL COURSE.

.15 NNOUNCEMENTS of the summer .10 College have been made by Profes-.10 are named as the dates of beginning and ending the summer sessions. Special tion. The use of a little extra care in During .124

and durings5.071/2and ending the summer sessions. Specialtion. The use of a little extra care in
growing potatoes added to the natural
advantages of soil and elimate would in.
sure steady maximum yields and profit.Shell3.03Charcoal2.05Breen food.05Total.05Italy a proving in Oregon, good between the
dates of June 5 and July 28. The two
college dormitories, Waldo for women
and Cauthora for men, will be opened
to the students and will accommodate
boding. The use of the rooms with
boding. The use of the rooms with
beds, mattresses, tables and chairs, will
be free to those who make their homesthe crop is grown by the gen-
erail farmer, for whom the potato crop it and shell or their substitutes, can furnished from natural sources with in fitting the teachers for teaching elettle cost. Often milk and other products can be substituted for of the materials that otherwise schools of Oregon.'' declares the anstudy of the given rations the poulfry imen will be able to supply the necessary food elements by substituting a more economical material. Of course the innounts should vary slightly with the difference in egg production and in size of fowla.

Sheep the source of the large number of seeds formed
RANK M. Harrington, of Cresswell, fits in with approved erop rotations in glass, not metal, containers.
After washing out the wound, which is absolutely essential to success, it descriptions is absolutely essential to success, it the large number of seeds formed on each plant bids fair to become a seri-cus 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 may be objectionable because of their poisnons analities and on accom-tetitive examination which he wrote up Mr. Harrington. His position at Ames dueted in the most approved manner.

department until next fall. STUDYING PEACH-TWIG MINER. STUDYING PEACH-TWIG MINER. XPERIMENTAL work is being done in the Hermiston district by the Agricultural College entomological

PROFITABLE POTATO CROP.

Oregon who are making a spe-

required to get the best results in un-favorable seasons, the farmer depends upon other crops for his cash income. intensive crop-rotation system, helping to maintain fertility because of the ex-cellent condition of tilth and the de struction of weeds that its cultivation

A GOOD POULTRY RATION. PERFECT ration for laying hens in approximately the right pproportion, and in the forms most economical in the locality where the feeding is done. Pro

turned from a good roads tour of the ARMERS in different parts of States which was made primarily to inmiddle and castern parts of the United vestigate the most approved methods of cialty of potato growing, get al- highway construction in other states. He most uniformly profitable results, net ting from \$40 to \$50 per acre," says Professor Seudder in his Agricultural regard to the construction of highways A school at the Oregon Agricultural College baye been made by Professor 'It is for this reason that in all diversi-ton advocates primarily the use of local sor E. D. Ressler. June 15 and July 24 fied farming in this state the potato material for the construction of Oregon

> During his work in Coos county Profssor Skelton desires to meet road su pervisors and with them take up the problem of highway construction and maintenance.

GUMMOSIS CANKERS.

for THE cherry gummosis fight is now on,'' says Professor H. P. Barss, of the Oregon Agricultural Col-

lege 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 due to an organism that lives over winter in the edges of the old cankers, especially in the larger ones that were formed the previous season. From these hold-over cankers the disease begins to spread in late winter, enlarging the old njuries and infecting many trees grow-

the tree, the bark should be cut away considerably beyond the discolored

may be objectionable because of their poisonous qualities and on account of their crowding out more valuable plants. Find ones sometimes is based on a com-bein crowding out more valuable plants. Sorrell seed is said by some writers to be poisonous whon eath in large quan-tities by horses, but the plant can hardly disease has come to the attention of