WITH THE MALHEUR COUNTY FARMERS

WINTER EGG SLUMP CAN BE AVCIDED, **AUTHORITY SAYS**

Proper Lighting and Feeding Plan Will Keep Production Up in Cold Weather

The coming of cold weather brings with it the inevitable problem of keeping egg production up as the mercury goes down. That is largely a problem of getting enough feed into the birds, according to C. S. Johnson, Manager of the Poultry Department of Purina Mills.

"Egg production often goes down during a severe cold snap because birds don't eat as much feed as they should," Johnson says. "It takes more feed to maintain heat and energy in the bird's body during cold weather and still produce the same number of eggs. That's why hens must be kept eating if they're going to keep on laying.

Hens Need Longer Days "Short days and long nights call for special lighting and feeding in order to get increased feed consumption. Hens in heavy production need a 13 to 14-hour day to eat enough feed to maintain their egg output," says Johnson. "At the Purina Experimental Farm we have found that morning lights are more satisning lights or all-night lights.



consumption by scattering Layena Checkers over laying mash.

"Having provided adequate lighting and sufficient eating time for the birds the next move is to step up their incentive to eat. For this we recommend Lavena checkers. morning and evening on top of the regular mash feed. Layena checkers are laying mash pressed into grain-like pellets that are easy to

Keep Mash Hoppers Filled

"The correct procedure is to keep the hoppers filled with mash all day, nings and evenings stir the mash well and scatter on top of it Layena checkers. This activity at the hoppers, caused by the mash stirring and checker feeding process attracts the hens and makes them eat more feed.

"Birds in heavy production should also have a feeding of Layena checkers at noon."

Nyssa the Bargain Center.



BOULEVARD GRANGE Frank Sherwood, Master	
Prank Sherwood, Master 2nd. and 4th. Thursdays 8:30 p. m. Cai BIG BEND GRANGE H. P. Hatch, Master	re
H. R. Hatch, Master	156
1st. and 3rd. Tuesdays 8:00 p. m. Wade Schoolhou OREGON TRAIL GRANGE John Stam, Master	
2nd. and 4th. Wednesday 8:30 p. m. Oregon Trail Schoolhou VALE GRANGE	
1st. and 3rd. Fridays 8:00 p. m. I. O. O. F. Hall Va OREGON SLOPE GRANGE	ale
1st. and 3rd. Thursdays 8:30 p. m. Park Schoolhou	156
Charles Belgarde, Master 2nd. and 4th. Fridays 8:00 p. m. Harper Schoolhou AROCK GRANGE Ted Hon, Master	IS6
2nd. and 4th. Saturdays 8:00 p. m. Aro WILD ROSE GRANGE Arthur Antrim, Master	ck
2nd. and 4th. Saturdays 8:00 p. m. West of Huntingte EL DORADO GRANGE Floyd Howard, Master	
Floyd Howard, Master 2nd. and 4th. Fridays 9:00 p. m. Ironsi SNAKE RIVER GRANGE Paul Parkinson, Master	
2nd, and 4th. Tuesdays 8:00 p. m. Annex Schoolhou I. O. N. GRANGE Norman MacKengie, Master	ISC
Norman MacKentie, Master 1st. and 3rd. Fridays 8:00 p. m. Sheavi KINGMAN GRANGE D. L. Anderson, Master	
2nd. and 4th. Mondays 8:00 p. m. Kingman Schoolhou JAMIESON GRANGE Pay Carrier Master	
1st, and 3rd, Wednesdays 8:30 p. m. Jamison Schoolhou MALHEUR COUNTY POMONA GRANGE J. Edwin Johnson, Master	
	-41

(Places advertised)

WHEAT VARIETIES SMUT, DISCUSSED IN EOWL REPORT | be Dr. C. L. Roadhouse, head of the CORVALLIS - Definite steps to department of dairy industries at

equaint millers with the desirable the University of California at filing and baking qualities of Davis, and F. S. Board of Aukland, white federation spring wheat were New Zealand, one of the inventors recommended by the Eastern Ore- of the new vacreation cream pastgon Wheat league in adopting the eurizing process. A vacreator mareport of the committee on produc- chine has been installed in the extion, handling and marketing at the perimental creamery at Oregon ecent convention in The Dalles. State college and will be demon-

Although milling and baking tests strated during the short course and on a large number of white federa- convention. tion samples show it to have a very Dr. Roadhouse will specialize in nigh milling yield, difficulty has lectures and demonstrations on the een encountered in obtaining pre- production and handling of milk nium milling prices comparable to and milk products, emphasizing newthose paid for baart. Tests have est methods for achieving a high shown that white federation is sec- degree of sanitation and other re ond only to baart in baking quali- quirements in the fluid milk field. ties, the report stated.

White federation has been sown STATE HERDS INVITED TO on substantially increased acreages WORLD FAIR DAIRY SHOW recently and has shown high yield- CORVALLIS-Oregon dairy proing ability. The committee also re- ducers will have opportunity said that it shoud be used on much cording to premium lists and rules west, given over KOAC. of the acreage now devoted to fed- received by Roger W. Morse, exteneration, albit, hybrid 128 and forty- sion dairyman at Oregon State col- limited their hog production to ap- | Contrary to previous belief, it is fold. Of the spring wheat varieties, lege. federation No. 31 have given the must be owned by at least three milk, cull fruits and vegetables on or barley, when properly used, says Overstreet home Honday afternoon.

TWO SPECIALISTS COMING FOR DARY SHORT COURSE

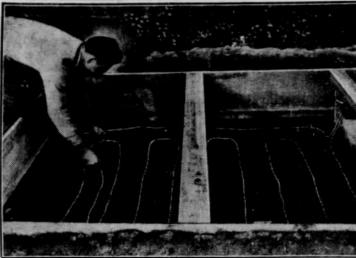
The annual two weeks dairy products short course at Oregon State each breed. college will be held Feburary 13 to Each state in the United States unation has changed both as regards tening period make possible a con-25 this year, which dates include and each province in Canada will this price differential and the siderable reduction in the feed grain the annual convention of the Ore- be restricted to one herd of any availability of low priced feed used. gon Dairy Manufacturer's associa- one breed. Details may be obtained grain. Seven of the 11 western states Wheat at the present time is contion, to be held February 21 to 23.

tions.

wider, Carlton, association presi-

Southwest of "Y"

Soil Heating With Electricity Is Both Profitable and Simple



Ease of construction is only one advantage of the electric hotbed.

By IRA MILLER Rural Electrification Bureau

TRUCK gardeners, florists and commercial growers who wish to "hit" the market when prices are highest do not have to place their entire dependence on nature and natural means alone for the early germination and growth of their seedlings Instead, more and more each season they are turning to the electrical heating of hotbeds—a method used in Norway and Sweden for 20 years but which came into prominence in this country only about eight years ago with the development of special metallic-sheathed cable.

Although steam, hot water and hot air are used to some extent to heat hotbeds, manure long has been the common heating medium. However, all of those methods lack some of the following advantages of electricity: Less labor required to construct and operate; temperature automatically controlled within narrow limits cheaper, if labor and supervision costs are included; free from harmful and obnoxious fumes; less danger of soil contamination; beds need not be recharged each time they are used, only a turn of a switch being necessary to start each run; plants are produced in less time; temperatures easily changed to force or retard plant growth as conditions require; may be used to produce garden truck for out-of-season home markets; equipment lasts for years; and clean and agreeable to work.

electric hotbeds are superior to green-houses because their initial cost is figure.

needed for hardening plants for transplanting; it is not necessary to use "flats"; less labor is required; and they are cheaper to operate unless the greenhouse is used for other pur-

When used to furnish bottom heat in propagating benches in greenhouses, electricity has the following advantages: Maintenance of constant soil temperature best suited for the cuttings being rooted; soil easily maintained at temperatures higher than the air-a condition conducive to rooting of cuttings; higher centage of cuttings take root; they root in much shorter time; and no danger of overheating.

Full information on the construc-tion, installation, operation and cost of electric hotbeds may be obtained without charge from your state college or university, or from the manufacturers of such equipment. As an indication of the reasonable first cost of such an installation, it may be pointed out that all the cable and controls necessary for four 6' x 3' frames can be purchased for \$20 or

Operating costs vary widely with the type and construction of the hotbed, its insulation and exposure, and many other factors. However, when outside temperatures average around freezing, it will require from 1½ to 2½ kw.-hr. per frame per day to maintain the bed at 60 degrees. At the three-cent rate (a lower one often is available), this amounts to from nd agreeable to work. For growing truck garden plants, with the average over the entire heating season approaching the lower

SEEN IN OREGON'S FUTURE

CORVALLIS - A reasonable in-

In the past Oregon farmers have than to Portland. breeders. For Holsteins, Guernseys general farms, or in gleaning stub- Lindgren. OSC experiments have and Jerseys, there will be \$1500 in ble fields in wheat areas. This pol- shown that it requires in the neighprize money per breed, while for icy tended to maintain a favorable borhood of 420 pounds of grain to Ayreshire and Brown Swiss \$750 will price differential between Portland produce 100 pounds of pork, where be divided among the entries for and Chicago markets.

to hogs, it would increase the production by approximately this

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The big deficit in hogs is in Calicrease in hog numbers on Oregon cess production in the northwest grange was held Tuesday at the ported that Rex wheat, which was make up state herd of eight ani- farms is justified under present would find its major outlet there. bred and introduced through the mals for each breed to compete in conditions, stated H. A. Lindgren, The Los Angeles hog prices have in More branch evperiment station, the international dairy show at the extension livestock specialist at recent years averaged about 34c continues to give favorable yields Treasure Island Golden Gate ex- Oregon State college in a recent more than Portland prices, alover a wide area. The committee position October 21 to 30, 1939, ac- analysis of hog production in the though the freight from Oregon points would be somewhat higher her school Sunday evening.

grain alone is used. Skim milk or In recent years, however, the sit- good alfalfa pasture during the fat-

through Morse or breed associa- produce fewer hogs than they con- siderably lower than the average sume, the deficit for the entire area price of corn on which middle west-Dates of the annual convention amounting to about three million ern farmers have been able to show of the Oregon Dairymen's associa- head a year. It is interesting to a profit in hog production. The raption have also been announced as note, he points out, that if the av- id increase in alfalfa acreage in the ebruary 2 and 3 in Eugene. De- erage wheat surplus in the Pacific Willamette valley affords additional ails of the program will be an northwest, amounting to about 40 inducement for growers in that nounced soon, says George Fullen- million bushels a year were all fed area to give hog production more

> CORVALLIS-Recent changes in he administrative setup of the agricultural adjustment administration have put two farmers, one of hem from Oregon, in charge of the western division of the A.A.A.

C. C. Conser of Montana has just been promoted to director of the western division succeeding George E. Farrell. Since Farrel's transfer to another division of the department of agriculture, Censer has been acting director. N. E. Dodd of Haines, Ore., is the new assistant director, filling the place formerly occupied by Conser.

Conser, before entering A.A.A. work in 1933, had been a farmer in eastern Montana for 23 years. He is particularly familiar with the wheat grower's problems and has been in Oregon a number of times to confer with leaders here on the wheat

Dodd, who owns and operates a stock farm in Baker county, has alto been active in the A.A.A. program in this state since 1933, when ne was on the Baker county committee for both the wheat and cornhog programs which started that year. When Oregon had difficulty in adjusting its hog quota, Dodd took an active part in the controversy and was finally placed on a state board of review which succeeded in bringing about an agree

KINGMAN KOLONY

and Mrs. Bruce Pinkston.

Rev. and Mrs. Tetwiler were Norma Malt. guests of Mr. and Mrs. Lee Thrash-

Mr. and Mrs. Bob Clark were hosts to Mr. and Mrs. Elmer Dut- and Bible class, Mr. Francis.

Mrs. Clarence Elliott was a guest family. of her cousin Berthel was a guest Miss Evelyn Loveland left for La of her cousin Berthel Caverhill and Grand Normal Tuesday. She has wife of Adrian.

wer guests of Mrs. Mary Nichols Mr. and Mrs. Frank Newbill had

as guests Mr. and Mrs. Chas Newbill and family and Mrs. Anna Glasscock and family.

Mr. and Mrs. Bob Clark and daughter spent New Years evening n the Dutton home.

Mr. and Mrs. Elmer Dutton and Mr. and Mrs. John Auker were ing to be kind and give it a holiday. callers in the Chas Wilson home Thursday evening.

Mr. and Mrs. Cotton and Mr. and Mrs. Jim Lane and family, Mrs. square miles than does the state of Lily Bach and Kenneth Bach were New York. guests of Mrs. Mary Nichols Thursday evening Mr. and Mrs. Bill Toombs enter-

tained Friday evening, the guests were Mr. and Mrs. Bruce Pinkston, Mr. and Mrs. Vernon Parker, Agnes Wate and Jim Nichols. Chas Wilson, Kenneth Bach and Jeanette Martin. Kenneth and Don Elliott spent

the vacation at the Snively home Mrs. Mary Nichols, Agnes Nichols, Jeanette Martin and Mrs. Conrad Martin were in Boise Monday.

Misses Agnes Nichols and Jeanette Martin were in Ontario Tues-W. C. T. U. met at the home of

Mrs. Walter Pinkston Thursday. The Kingman grange held a New Years eve party at the school house.

The evening was spent playing cards after which a lunch was served by the H. E. ladies. Mr. and Mrs. Chas Newbill were guests of Mr. and Mrs. Dale Garri-

on at a card party Friday evening. Mr. and Mrs. Bill Toombs, C. M. Beaumont and Miss Mary Beaumont were in Middleton Monday. They gave their order to Lay Lee tor 500 six weeks old leghorn size.

The first meeting of the new year fornia, which would mean that ex- for the H. club of Kingman home of Mrs. K. I. Peterson.

Mrs. Jim Lane's Sunday school class had a party at the home of Miss Agnes Nichols returned to

Miss Marie Wallace was a guest of Mrs. Bruce Pinkston Monday.

proximately the numbers needed to known that wheat is just as desir-A number of Kingman ladies atwhite federation, baart and hard Rules require that the state herd consume farm waste, such as skim able for fattening livestock as corn Mrs. McPortland at the Robert

LOWER BEND

Mrs. Chas Purdy and Chet Purdy were afternoon guests at the Harry Russell home Monday.

Several from this district attended the baptismal servies in Caldwell

Ralph Lowe of Nyssa spent from Friday to Monday of last week at the Harry Russell home.

Election of officers was held of the Union Sunday school, January

elected: superintendent, Chas New Years gatherings in King- Witty; assistant superintenden, Mr. man Kolony were, Mr. and Mrs. Francis; treasurer, Dale Teter; sec-Walter Pinkston were guests of Mr. retary "Edna Wilson; librarian, Wilma Wilson: assistant secretary

The teachers were as follows primary, Mrs. Teter; junior, Mrs. Francis; young people, Bud Boyer

Mr. and Mrs. Wm. Stradley were C. M. Beaumont and Miss May New Years dinner hosts to Mrs. C. had as guests Mr. and Mrs. Bill H. Young and Emma, Mr. and Mrs. Toombs and family, Mr. and Mrs. Joe King and Lewis, L. King and Conrad Martin and Miss Jeanette. Mr. and Mrs. Walter Stradley and

been spending the holidays with her Mr. and Mrs. Wallace and family mother, Mrs. Clifford Kennick.

> Florida Highways Military Roads Many of Florida's highways are descendants of military roads built to aid in protection of settlers from raiding Seminoles.

Man Who Loves His Work Jud Tunkins says a man who loves his work is frequently too will-

Georgia's Square Miles Georgia includes 10,000 more

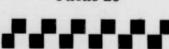




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