

AGRICULTURE AND LIVESTOCK NEWS

Up-to-date Information to Help Develop Progressive Farming

Cost of Raising Pigs

Recent investigation by animal husbandrymen at the University of Wisconsin College of Agriculture indicates that pure-bred pigs can be raised to weaning time at a feed cost of \$2.23 each. This feed cost was arrived at in a test with pure-bred Berkshires on the farm of T. J. Kurtz, near Cedarburg. Records were kept on five sows which raised thirty-six pigs. An account was kept of the feed given the sows from the time they were bred until the pigs were eight weeks old. At prevailing market prices this feed cost totaled \$98.62. During the period considered the sows gained a total of 263 pounds. This cost 5 1/2 cents a pound to produce and was charged as worth 7 cents a pound. The actual cost of each pig at weaning time was therefore \$2.23.

Silage for Sheep

By Herman Rieck, Jr., Macleay, Ore. Ask any sheepman what his biggest problem is in handling a flock of sheep and he will tell you that wintering the flock is the hardest part of the sheep business. You can't expect a crop of healthy, vigorous lambs unless you give the ewes proper food and shelter. Alfalfa, clover and other leguminous hays are the safest to feed when it comes to dry feeds, because when fed hay, that does not digest quickly.

There is, however, one great forage crop in the United States that is far above all others, except perhaps alfalfa. This crop is corn. No farmer can afford to continue without a silo. After three years of experience, the writer is of the opinion that silage is the greatest feed for sheep that can possibly be grown. Silage can be fed liberally and is the cheapest feed we produce, considering its value from point of succulence, which means health with sheep and food value.

To prove that silage is the cheapest feed grown, we will make a comparison with hay. There are 350 pounds of digestible nutrients in one ton of good corn silage; in one ton of clover hay, about 1000 pounds of digestible nutrients. Therefore silage is worth one-third as much as clover hay. If clover hay is worth \$12 per ton, silage is worth \$4 per ton. According to experiments conducted in recent years, silage can be produced for about \$3 per ton. A sheep requires about 4 1/2 pounds of feed a day (this however, varies with size of sheep). Now let us say that 4 1/2 pounds of clover hay is worth \$.027, 4 1/2 pounds of corn silage is worth \$.009. A real good ration for stock ewes is 3 1/2 pounds of silage and one pound of good leguminous hay. Three and one-half pounds of silage is worth \$.007, one pound of hay is worth \$.006, a total of \$.013, or not quite one-half the cost of 4 1/2 pounds of clover hay.

Silage is very succulent, therefore ewes fed on silage give much more milk than ewes fed on dry feeds. We take our sheep out of pasture the first of November and feed them until the first of March, then if the weather is good we pasture on full grain till the first of April and then turn our sheep into their regular pasture. We aim to have our lambs come in January so as to have them well grown by fall.

Spring Bee Feeding

By George W. York Quite frequently in the spring some colonies in almost every beeyard will need to be fed. For various reasons some run out of stores of food while others may have plenty to carry them through until they can gather enough from the flowers.

Syrup for spring feeding is very easily made from two parts of granulated sugar thoroughly dissolved with one part of boiling water. This is then fed warm to the bees. There are several ways of feeding this syrup to the bees. It is always best to give it to them in the evening just before dark, then they will store it in their combs during the night and thus avoid any danger of other colonies robbing the ones being fed. It would also be well to close the live entrance down to about two inches in width by three-eighths or one-half inch in height.

To feed the sugar syrup, I prefer to put it into a feeder that can be set right on top of the brood-frames and then covered over warm with burlap, all within an empty super put on the brood-chamber. An Alexander bee feeder works well, as it will sit diagonally within a 16-frame super, and the same way in an eight-frame super by sawing off one-quarter to one-half inch at the corners of the feeder. It is made of a solid block of wood about 3x4 inches and about 20 inches long, on one side of which wide saw-knife have been made almost through the block, but leaving several strips sticking up so that the bees will not drown when getting the syrup out of the feeder. Four or five sticks of wood, about one inch square and five or six inches long, should be crossed

on top of the feeder, and several inches apart, for the purpose of holding up the burlap packing above the feeder so that the bees can get at the feed in the feeder.

The syrup can very easily be poured in at one end of the feeder by raising the corner of the burlap. The live cover is then replaced, when the bees will do the rest.

Pullet Eggs for Setting

"How about setting eggs that are all laid by pullets? I was told they would not hatch so well as eggs from older hens. We only have pullets in our flock, and they lay quite well and the eggs are fertile."

Pullet eggs may hatch as well as hen eggs if the pullets are well matured and in good condition. The two-year-old birds are usually considered the best breeders; they lay a larger egg and are fully developed.

Pullets are in the breeding pens of most breeders, although it is admitted that continual breeding from immature stock, especially if both side of the mating are immature, will weaken the vitality of the flock.

To offset the youth of the pullets, it is well to use two-year-old males. Pullet eggs will sometimes average higher in fertility than hen eggs, but the hatchability on the whole is lower.

GYPSUM IS PROFITABLE ON CLOVER AND ALFALFA

Gypsum, calcium sulfate, or land plaster can be used profitably on legumes such as clover and alfalfa to increase the sulfur content of the soil or stimulate the action of soil organisms, reports W. L. Powers, chief of soils at the Oregon Experiment station. It also exerts a beneficial effect on the physical structure of clay soils, aids in leaching out alkali soils following under drainage and neutralizes the toxic effect of black alkali, but should never be used to correct acidity as it will not make "sour" soils "sweet."

Gypsum may be applied to the land any time now that weather permits. It is easily broadcasted on young legumes, or if the ground is firm, applied with spreader. Where gypsum is used chiefly for its sulfur content 200 pounds to the acre is the usual rate of application, as its sulfur content is about 18 pounds to the hundred. Analysis of some soils in western Oregon show a very low sulfur content, a condition quite common with the red hill soils especially. Elemental sulfur used on clover has increased yields on three widely separated experimental fields near Astoria, Crown Point, and North Albany.

When applied to legumes in ordinary amounts, such as 50 to 80 pounds to the acre, gypsum has been found to stimulate the action of beneficial soil organisms and acid in the formation of nitrates during the early season.

Soil acidity is neither changed nor corrected by application of gypsum in any reasonable amounts as shown by lime requirement tests. Its physical effects are similar to those of lime on clay soils, and it will improve soil structure and aid percolation, thus hastening leaching out of alkali following drainage, if applied in goodly amounts.

Kudzu Not Good in Oregon

Kudzu is the subject of many inquiries sent to the Oregon Experiment station. The station has saved many farmers a lot of time, money, and trouble by advising them that tests show that Kudzu is not adapted to Oregon conditions as a forage crop.

One Spray Scab and Aphids

The delayed dormant spray on the apple is one of the most important of the season as it is the first blow to scab and mildew and, if nicotine sulfate is added, it will control the destructive aphid pests. The usual spray is made up of commercial lime-sulfur, 3 1/2 gallons, nicotine sulfate (Black Leaf "40") 3/4 pint, and 100 gallons water. Tests last year indicate that addition of casienate spreader to the spray at the rate of 1 pound to 100 gallons increases the efficiency nearly 50 per cent. Control of the aphid is improved if this spray is not applied until the blossom buds of the clusters have begun to separate. The exact time of application will depend on whether the scab or the aphids is the major pest.—O. A. C. Experiment station.

Chicks Crowd Brooders

Overcrowding ruins many flocks of chicks. A brooder that will accommodate 800 day-old chicks will care of only one half that number when they are two weeks old. Better raise a few good chicks than a lot of culls.—O. A. C. Experiment station.

Buckwheat seeded at the rate of 40 to 45 pounds an acre in May or early June makes excellent bee pasture, and the grain is good for poultry feed.—O. A. C. Experiment station.

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Soap Recipes

Five pounds of fat, one can red seal lye, one quart and one cup of water, one cup of borax. Place the grease on stove to melt. Dissolve the lye and borax in the water and when cool add to lukewarm grease. Stir just enough to mix ingredients thoroughly and no more. Pour immediately into a shallow wooden box lined with cloth. When cool cut into squares.

RECIPES

Salad

1 1/2 cups diced celery.
1 1/2 cups chopped young carrots.
Boiled dressing.
Mix carrots and celery with boiled dressing. Place on lettuce leaf and garnish with small amount of dressing mixed with cream and a dash of paprika.

I am sending an excellent boiled frosting which is made very quickly and is always good.

Place in double boiler.
1 cup white sugar.
2 tablespoons cold or warm water.
1 egg white.
Pinch of salt.

Beat this continuously until mixture gets quite thick. This will take around five minutes. Use rotary egg

NOTICE OF FINAL SETTLEMENT

Notice is hereby given that the undersigned has filed his final report in the estate of Phillip J. Ott, deceased and the Court has set Monday the 15th day of May, 1922, at the hour of 10 o'clock A. M. on said day in the County Court Room in the County Court House in Oregon City, Oregon, as the time and place for hearing any and all objections to said final report, and the discharge of said administrator.

Dated 13th day of April, 1922.
ISAAC OTT,
Administrator of the estate of Phillip J. Ott, deceased.
G. B. DIMICK & W. L. MULVEY,
Attorneys for administrator. (4-13-22)

SUMMONS

In the Circuit Court of the State of Oregon for Clackamas County
Ralph Bush, Plaintiff,
vs.
Pansy Bush, Defendant.

To Pansy Bush, the above named defendant.
In the name of the State of Oregon you are hereby required to appear and answer the complaint filed against

NOTICE OF FINAL ACCOUNT OF ADMINISTRATOR

In the Matter of the Estate of Joseph W. Farrar, Deceased: Notice is hereby given that the undersigned, administrator of the estate of Joseph W. Farrar, deceased, has filed his final account in said estate in the County Court of the State of Oregon for Clackamas County, and that the Judge of said court has appointed Monday, the 22nd day of May, 1922, at 9 o'clock in the forenoon of said day, as the time for hearing objections to said final account and the settlement thereof. All heirs, creditors or other persons interested in said estate are hereby notified and required to file their objections to said final account in said court and estate on or before said date appointed for the hearing of the same.

Dated at Oregon City, Oregon, April 10th, 1922.

LORING K. ADAMS,
Administrator.
Date of first publication April 13, 1922.
Date of last publication May 11, 1922. (4-13-22)

She Knows

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you in the above entitled Court and cause on or before Thursday, the 4th day of May, 1922, and if you fail to so appear and answer said complaint, for want thereof, plaintiff will apply to the Court for the relief prayed for in his complaint on file in said cause, to-wit:

For a decree dissolving the marriage contract heretofore and now existing between plaintiff and defendant, and for such other and further relief as to this Court may seem meet and equitable.

This summons is published by order of the Honorable J. U. Campbell, Judge of the above entitled Court, and the first publication thereof to be Thursday the 30th day of March, 1922, and the date of the last publication hereof to be Thursday, the 4th day of May, 1922.

G. B. DIMICK & W. L. MULVEY, Attorneys for Plaintiff, Oregon City Oregon. 3-30-71

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