

AGRICULTURE AND LIVESTOCK NEWS

Up-to-date Information to Help Develop Progressive Farming

FALL FRESHENING WHEN THE COW NEEDS PROPER CARE

By A. B. Nystrom.

Fall cows, as a general rule, produce more milk and are more profitable than those that freshen in the spring. The reason for this is that the stimulation to produce milk immediately following calving keeps the cow at high production during the winter months or while on barn feeding and later in the lactation period, when a drop in flow is expected, there is an added stimulation caused by green grass, so that actually a high production in the milk is maintained for several months more.

The secret of high yearly production lies in giving the cow a good start. If the dairyman uses his powers of observation he will see that those cows that start the year in poor flesh, or that are out of condition for a while just following freshening, never make as good a record as those that are well conditioned.

It is natural for a cow to lay on extra fat while dry. Indeed that is one reason for having her dry. Such cows are sure to make a good account of themselves, provided they are properly fed after calving. Feeding heavily just previous to and just following parturition is sure to spell failure. The safest way is to cut down in the feed about two weeks before the due date and feed lightly of laxative feeds, such as a few roots, bran, ground oats and a little oil meal. Clover or alfalfa hay should be the main part of the roughage ration.

Just about two days before calving feed no oats and only a small amount of bran. Give plenty of water and if the weather is cold take the chill off the water before offering it to the cow. This practice might well be continued for four days after calving.

If delivery of the calf has been normal it will be safe to begin increasing the ration a week after freshening. Care should be taken to make the increase gradual, never feeding more than the cow will clean up. It is better for the first month, and in the case of extra heavy producers, for several months, to have the cow looking for more feed after she has consumed all she is going to get. Over-feeding in the early stages is often what causes the cows to drop in milk production, and once they drop, they will never go back to where they were.

Another way to keep up the flow is to provide clean stalls. These should be heavily bedded if cows are kept in at night. Cows that are left in the barnyard at night should be provided with a shelter from rain and a clean place to lie down. It is unreasonable to expect cows to produce their best if they must wade in mud and mire night after night and only have an opportunity to lie down while in the barn at milking time.

Wintering Bees
By H. A. Scullen.

Shall I pack my bees this winter? This is a question many beekeepers are seriously asking after suffering a heavy loss the past winter. No one will doubt that the bees will come through the winter stronger and with less consumption of honey when some protective covering is used. But is the gain enough to pay for the labor and cost of materials? Judging from the testimony of those who have consistently packed for several years, we must say it does pay.

The writer is trying out two methods on his personal colonies and the college apiary, using the Williams packing case, such as has been used by a number of beekeepers in the Portland district—a light-weight, one-colony packing case made of cedar.

A similar case has been used by a successful beekeeper of Clarke county, Wash., for many years. It is essential that any packing case used on the west side of the state be water-tight. When painted and well made these cases should last 15 years or even longer. Not counting labor, the individual case will cost little less than 25 cents per year per colony, assuming that it can be used for 10 years or more.

Another method being used by the writer is to wrap the colonies individually with tar paper, allowing enough space between the paper and hives for one inch of dry planer shavings. One

roll, costing about \$1.50 locally, will wrap an average of 14 colonies at a cost per colony of between 10 and 15 cents. Two men working together can wrap about 10 colonies in an hour.

Lime In The Poultry Yard
Lime is an essential in the ration of the hen, not only because of her bodily requirement, because the egg and the egg shell that she produces must obtain lime.

But here is another opportunity for lime to serve useful purposes in the poultry yard. Lime is a great sanitary agent. It is a great cleanser and sweetener. Bacteria and molds cannot well endure where lime is present.

Lime is recommended for treating the open poultry yard to aid in preventing the development of disease producing organisms. Lime liberally applied may be worked into the soil by plowing or otherwise with excellent results.

Small quantities of well-slaked lime may be sprinkled about the hen house advantageously. A light dusting of it on the dropping boards tends toward purity. A little on the earth portions of the floor, especially around the corners and the bases of the walls is advisable. However, care should be taken to prevent the birds getting it onto their feet in sufficient quantities to irritate.

Turkeys Require Less Housing

One of the advantages of raising turkeys is the fact that they present less of the housing problem in the winter than do other forms of poultry.

In general, the nearer they are kept to the wild state the better they thrive and the greater the possibility of profits. Naturally the turkeys prefer the open or wooded area. Trees make ideal roosts for them throughout most of the year. The only winter shelter they need at best is a barn range or just an open shed to keep them dry in very severe or wet weather. Cold does not worry them overmuch, but if coupled with dampness or a wetting, or drafts, their resistance crumples and colds and croup collect their toll.

I have no statistics at hand to prove the assertion, but I believe that the number of turkeys in Linn county is increasing annually and the profits derived from this industry are growing with the number of individuals.

Dairy Herds Improved.

Sale of 20 boarder cows was made by Oregon cow testing associations in October to reduce cost of producing milk and increase the profits of dairymen. One pure-bred bull was bought to replace two scrubs, thus providing better milkers for the future. Many more cows were tested than in October last year, and the average production of milk was 66 pounds per cow more, of fat 1 1/4 more.—O. A. C. Extension Service.

RECIPES

Contributions to this column are invited.

Dried Cherries

Nine pounds of seeded cherries, one quart of sugar, one cup of water; boil until it threads, set off and let cool; pour over the cherries, put on the stove and allow to boil for a while slowly, take off the stove and allow to stand over night, then bring to a boil again. Drain off the juice and dry in the sun. When dry roll in sugar and pack in jars. One can dry them on window glass. These will melt in your mouth and beat candy.

Almond Cake

Cream one-fourth cup butter, add gradually one-half cup sugar, beating constantly. Add four egg yolks beaten until thick and lemon-colored, one-fourth cup milk, seven-eighths cup flour mixed and sifted with two teaspoonfuls baking powder. Beat thoroughly, filling small paper cases two-thirds full of mixture. Sprinkle with shredded almonds and powdered sugar, bake in moderate oven until delicately browned. Serve in paper cases.

Molasses Cake

One cup sugar, one-half cup molasses, scant; one level teaspoon soda dissolved in a little warm water, two cups of sour buttermilk—if you do not have it use cold coffee, but if buttermilk is used less shortening is required; two teaspoons each of cinnamon and allspice, 1 teaspoon of nutmeg, one-half teaspoon of cloves, flour to stiffen. Bake in a moderate oven 45 minutes. Raisins can be added if desired. If used dredge them with some flour before adding.—Mrs. G. N. J., Idaho.

GROUSE MAKES HEARTY MEAL

Two Thousand Rose Beetles In One Day Said to Be Not a Menu Beyond Her Capacity.

Two thousand rose beetles in one day were on the menu of a hen grouse which was experimented with at Clark university at Worcester, Mass., and which Prof. Hugh Findlay told about in a lecture on "Useful Birds in Our Gardens and Orchards," given recently at the New York Botanical gardens, Bronx park. Professor Findlay, who is horticulturist in the department of agriculture at Columbia university, has spent several years in central New York and the New England states studying the habits of birds during the nesting season.

He has photographed some 200 birds in their natural haunts, and from these photographs has developed slides which he has colored with Japanese transparent dyes. The birds range from the tiny humming bird to the great eagles photographed near Oneida lake. In his lecture, Professor Findlay showed some of our most destructive insects and their particular bird foes, showing plainly which species help to keep our plants, and trees from being destroyed by insect foes.

The hen grouse, who was proved to have made away with 2,000 rose beetles in one day, he used as an illustration of the economic value of some birds in the destruction of insect pests.

WHERE ALL SPEED IS ALIKE

Light, Electricity, X-Rays, and Magnetic Storms Declared to Move with Equal Velocity.

That in the radium rays we have an indication of a new and mysterious world of energy, we find what seems an impressive testimony in the law of velocity governing these in common with other recently discovered phenomena. "One definite thing we do know," says Professor Soddy, writing of the ether, "namely, the velocity at which influences are transmitted. It is 185,000 miles per second, the speed of light. So far as we yet know, all influences that are transmitted by the ether travel at this one definite velocity. Not only light, but also the electro-magnetic radiations employed in wireless telegraphy, the magnetic storms, as they are termed, which reach us from the sun, and also as we believe, the X-rays, travel through the ether at this one definite speed." That speed is in all these cases the same is suggestive of a common source and fountain head, and one is emboldened in the supposition that behind and within the material system with which we are familiar is a subtle and infinitely marvelous world from which the universe we know is fed and sustained, and which uses the light—swift undulations of the ether—as the carrying agent of its varied influences.—Charles Kassel in the North American Review.

Tool Straightens Nails.

Even bent wire nails are being salvaged from the waste piles in Germany and restored to usefulness by means of an ingenious nail straightener that may be fastened to the workbench. The device is described in the Popular Science Monthly.

Hinged to one end of the cast iron base is a long lever with a handle. A few inches from the fulcrum of the lever an iron rod is hinged, and to this is attached a claw which grips the head of the nail to be straightened. The nail is placed with its head in the slot of the claw and with its body between the jaws of a straightening die which is operated by a lever. The jaws firmly grip the body of the nail, and when the long lever is drawn back the nail is pulled through the eye of the die and effectively straightened.

Indian Has Remarkable Memory.

The most retentive memory in America is said to belong to a native Indian of the Yakima tribe. His brain cells register everything he sees or hears.

During the war he served with the army in France, and was of much value in carrying long messages, observing positions, or checking supplies, according to an Indian bureau report. When he was in camp he could call off a regimental roster and catalogue every item of equipment without any note or memorandum. On one occasion, after making a full report of observations to the extent of a thousand items or more, he repeated the full text of a lecture he had heard the night before. This was in the presence of the lecturer himself and was pronounced perfect.

CORRAL CREEK

By Corral Creek School. Blanche Brown, Teacher.

The Misses Josephine and Eleanor Graham were visitors at the school this week.

Mrs. Allison Baker called on Mrs. Elmer Jones, Wednesday afternoon.

Mrs. Blanche Brown spent Wednesday at the home of Mr. and Mrs. Chris Reissner.

Mr. and Mrs. Aubrey Wood and Graham Wood were dinner guests of Mr. and Mrs. Robt. Graham, Wednesday evening.

Mr. and Mrs. Reed Graham, Roy Baker, Mr. and Mrs. Elmer Jones and Lloyd Jones were Sherwood visitors last week.

Miss Audrey Wood, who attends Lincoln High school, is spending a few weeks with her aunt and uncle, Mr. and Mrs. Hiram Wood, in Portland.

Mr. and Mrs. Fred Parrott of Parrott Mountain, spent Tuesday afternoon with Mr. and Mrs. Reed Graham.

Mr. and Mrs. Frank Davis, Harold and Lucile Davis, and Mr. and Mrs. Will Dodson were guests at the home of Mr. and Mrs. Elmer Jones, Sunday.

The Misses Josephine and Helen Graham spent Sunday afternoon with Miss Eleanor Say.

Christena and Henry Ridder, who have been ill, were able to resume their school work this week.

PARKPLACE

Mrs. Clara Rosebraugh

Born, to Mr. and Mrs. William T. Lucas, December 4, a son.

Mr. and Mrs. Chas. Dauchy have moved into their new home on the bank of the Clackamas river.

Mrs. Fred Peckover of Edgewood is ill at the home of her parents, Mr. and Mrs. Dryden, in Oregon City.

Mr. and Mrs. Bert Exton and children of Buxton, were week-end guests at the home of Mr. and Mrs. P. Munger.

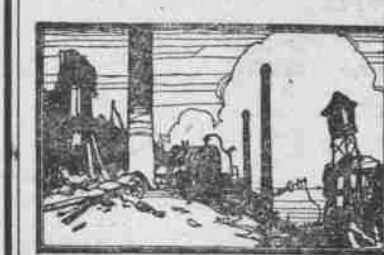
John Straight lies in a critical condition at the home of his daughter, Mrs. Paul Praeger.

Mr. and Mrs. M. Dotson of Portland are guests, for a few days, at the home of Mr. and Mrs. Fred V. Munger.

Mrs. B. W. Hensell and children, Pita May and Blaine, Jr., of Lewiston, Idaho, arrived Tuesday morning to spend the holidays with her parents, Mr. and Mrs. W. A. Holmes.

Mr. and Mrs. Montgomery have moved into the new bungalow, recently built by W. A. Holmes.

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Morehouse Orcharding Co.,

Woodstock, Portland, Oregon. Phone Auto 647-98 Sundays excepted.

The Parkplace school is preparing a cantata, "Santa Claus Defenders," under the direction of Mrs. Rita Brunner, to be given in the assembly hall the Friday evening before Christmas.

Mrs. Carl Butts is in Seaside, spending a week with her daughter.

Mr. and Mrs. Mark C. Woods of Vancouver, Wash., spent Sunday at the home of Mrs. Woods' parents, Mr. and Mrs. Joseph Brunner.

The ladies of Abernathy Grange will hold a bazaar in the assembly hall of the school building, Saturday, December 16. A chicken supper will be served at six o'clock.

Mr. and Mrs. Lester Brunner entertained at dinner, honoring their cousins, Lawrence and Levada Ault, of Ohio. Covers were laid for the following: Miss Jane Barnett, Miss Katherine Brunner, Mr. and Mrs. Clarence Brunner, Martin Verwest and Mr. and Mrs. W. A. Holmes.

A Christmas entertainment, to be given by the Sunday school of the Park Place Congregational church, will be held Saturday evening, December 23. The program is in charge of Mrs. Brunner, assisted by Mrs. Effie Smith. H. O. Rosebraugh was confined to his home last week by illness.

Fight For Senate

There is a heated fight over presidency of the senate but we will live through it somehow; the one thing people would not forgive or forget would be a legislative hold-up of tax adjustment legislation because such legislation is desired by a Democratic governor.—East Oregonian.

Aids Digestion

Roman Beal Health Bread, as well as Roman Meal in packages. Sold by a number of grocers in our city. Ask your neighbor.

DECEMBER 14, 1922. ALL TIRED OUT

Hundreds More in Oregon City in the Same Plight

Tired all the time; Worn and worn out night and day; Back aches; head aches; Your kidneys are probably weakened.

You should help them at their work. Let one who knows tell you how. Mrs. Frank Rotter, 1106 Monroe St., Oregon City, says: "My kidneys troubled me for a long time and my back ached so I couldn't do my washing. To sweep the floor tired me dread-

The Time to Buy

Is when others are not buying—when money is rather close and prices are low.

When spring opens there is always a buyers' rush, and prices always follow demand.

If you want a city home, a farm or any property, look them over now and save money. Come in and see what I have.

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Seven strong companies, fire, accident, burglary, forgery, causality, auto.

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fully and headaches and dizzy spells made me miserable and the action of my kidneys was irregular. I used Doan's Kidney Pills and they soon relieved the backaches and other signs of kidney trouble and I felt much better in every way.



Price 60c, at all dealers. Don't simply ask for a kidney remedy—get Doan's Kidney Pills—the same that Mrs. Rotter had. Forest-Milburn Co., Mfrs., Buffalo, N. Y.

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Also 30 x 3 1/2 and 31 x 4 straight sides.

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Here is an unsurpassed showing and sale coming right now—at the moment when assortments are at their best. Hundreds and hundreds of crisp, new and exquisitely dainty Handkerchiefs for women and children at prices that will help you both in your gift selections as well as many personal needs.

Embroidered Handkerchiefs 25c, 6 for \$1.35

Beautiful imported hand-embroidered Handkerchiefs, daintily embroidered on sheer Irish lawn or shamrock with white, gray or colored embroidery.

Imported Handkerchiefs 20c, 3 for 50c

Included in the assortment of Imported Swiss Handkerchiefs with dainty hand loom embroidered corner in white, gray or colored designs on sheer lawn.

Attractive Kerchiefs 10c, 6 for 55c

A big range of embroidered corners in white, gray or colored work, also the popular imitation hand drawn work and the neat corded border effect.

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Women's daintily embroidered corner handkerchiefs, packed in handsome gift box at the above exceptionally low prices.

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Fine Irish Linen Handkerchiefs, beautifully embroidered by hand in dainty white, gray and colored embroidery, in all attractive designs.

Linen Handkerchiefs 35c, 3 for \$1.00

Here you will find beautiful hand loom embroidered in white and gray colored designs, embroidered on a fine quality pure and sheer linen.

Linen Handkerchiefs 25c, 6 for \$1.35

Pure Linen Handkerchiefs in white or colored with daintily embroidered corner. We are also including another range of pure linen with white and colored footing edge.

It's Mincemeat Time

and we have all the ingredients for making it.

New crop raisins, currants, walnuts, apples, citron, vinegar, as well as the best of readymade mincemeat in bulk and packages.

Besides the regulation Turkey you will need

Celery Olives Cranberries Sweet Potatoes

and a host of other eatables to round out the meal. Our stock is complete, order early to insure delivery.

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