

FEEDS FOR POULTRY

Though the feeding of poultry is a much debated subject in poultry husbandry, there is no one best feed or combination of feeds. Results depend almost as much upon the ability of the feeder and the methods of feeding as on the kinds of grains themselves.

The simplest feed mixtures and the home-grown grains should usually be selected, the rations varying with the changes in the market prices of grains. It is advisable for most poultry raisers to mix their own feeds, as in this way they can control the proportion of the various ingredients and obtain the precise mixture that they desire. If, however, one desires to purchase prepared feeds, information concerning the different commercial articles may usually be secured from the state experiment station. Most experiment stations will analyze poultry feeds and report on the different commercial preparations sold by dealers in their states.

Poultry feeds may be divided for convenience into five general classes:

First, grains, both whole and cracked; second, ground grains, fed in the form of a mash; third, meat feeds; fourth, mineral feeds; and fifth, green feeds.

Corn, cracked corn, wheat and wheat screenings, oats, barley, rye, and buckwheat, are the principal grains, while of the ground feeds we have corn meal and corn chop, corn meal, wheat bran, middlings, shorts and low grade flour, oatmeal, and flour and ground or crushed oats and mixed feeds.

In the meat feeds, or feeds supplying animal protein, are beef scrap, meat meal, ground green bone, and various forms of milk; while bone meal, dry bone oyster shells and grit, make up the mineral feeds, and with charcoal and green feeds, complete the common feeding materials.

Many ground feeds, which are by-products of the common grains, are used to good advantage in feeding, in combination with grain and beef scrap. The ground grains and meat feeds are more forcing than the whole grains commonly used, while the combination of the whole grains with the ground feeds makes a more economical feed and a better balanced ration than the whole grain alone. The feed elements are usually cheaper in the ground than in the whole grains, as the former are by-products of many of the grains used for human consumption. Ground grains and beef scrap, in combination, either wet or dry, make what is called a "mash." These by-products are higher in protein than most of the common grains, so a balanced ration is secured by combining whole grains with the mash. Some of the ground grains, such as bran and middlings, add a large percentage of protein to the ration, which is beneficial.

Animal protein is considered essential to the best results in feeding. Most poultrymen feed meat in some form, while suburban poultrykeepers prefer feed this product or table scraps; but few farmers buy any meat feed. Some form of feed containing animal protein must be supplied if any eggs are to be obtained in the fall and winter. Skim milk or condensed milk is available on many farms, and where it is not it would probably pay most farmers to buy beef scrap or some other meat feed.

Birds on free range on the farm pick up bugs and insects during part of the year, which furnish this protein feed, so that the use of additional meat feeds is regulated by individual conditions. Fowls closely confined need more animal feed than those on a good range; and in a cold climate, where no bugs or insects are available during several of the winter months, more animal feed must be supplied than in sections where winters are mild.

A well balanced ration contains the proper proportion of protein and carbohydrates for its purpose with the general matter bulk, and palatability that are necessary to give good feeding results. There is no best ration, and the practical application of science in poultry feeding is to know what proportion of these substances gives good feeding results and then to use roughly this relative portion in making rations or in substituting different feeds, according to their price and availability.

In securing fall and winter eggs the first essential is to have pullets matured before cold weather, which means hatching birds of general purpose breeds in March and April. The average farmer hatches chickens too late to secure eggs in the fall. With well-matured pullets and improved feeding methods, farmers could secure more eggs in the fall than they obtain under present conditions.

A well-balanced simple ration may be made of equal parts, by weight, of oat, cracked corn, and oats, fed daily, usually in the morning and at night. The grain may be scattered on the range in summer and in the litter, in the poultry

house in winter, or fed in the house throughout the year. It should be supplemented with a dry or wet mash of two parts corn meal and one part each of wheat bran, middlings, and beef scrap. One feed of mash may be fed at any time during the day and the grain fed for the other two meals. Regulate the proportions of grain and mash so that the hen will consume about equal parts of each. About one quart of grain daily should be fed to every 16 Leghorn hens, or to 13 general purpose hens, such as the Plymouth Rock, with an equal weight of mash. This amount, however, varies, and should be regulated by the feeder, as the hens should be eager for each meal. Leghorns will eat about 55 pounds of grain and mash a year, and Plymouth Rocks, or hens of the general purpose class about 75 pounds.

FIRE! FIRE! FIRE! FIRE!

See E. E. Quick, St. Helens, and insure your property in the Oregon Fire Relief Association of McMinnville, Oregon. Don't put it off. McHitt W. L. WARREN, Agent.

MONEY TO INVEST

Talk or write to me. I have a party with \$100,000 cash to invest in timber at once. Wm. M. Rosa.

Dr. Stone's Heave Drops cures heaves. Price \$1; for sale by all druggists.

Administrator at his residence at Scappoose, Oregon, within six months from the date of this notice.

Dated Jan. 7th, 1916.
F. R. ADAMS,
Administrator of the Estate of Samuel Adams, Deceased 3-5

NOTICE TO CREDITORS

Notice is hereby given that the undersigned was, on the 10th day of January, 1916, duly appointed as executor of the estate of Anders Staffans, deceased, by the Hon. the County Court for Columbia County, State of Oregon, and has qualified as such and letters testamentary being issued to the undersigned, all persons having claims against this estate are hereby required to present such claims duly verified, as by law required, to Geo. Young, executor, at Warren, Columbia County, Oregon, on or before six months from the date of this notice.

Dated at St. Helens, Oregon, this 10th day of January, 1916.

GEORGE YOUNG,
Executor of the Estate of Anders Staffans, deceased.
Seton & Strahan, Platt Building, Portland, Oregon, Attorneys for Estate. 4-5.

NOTICE OF FINAL SETTLEMENT

In the County Court of the State of Oregon, for Columbia County. In the matter of the estate of Nelson Pinckney, deceased. Notice is hereby given that the undersigned administrator of the estate of Nelson Pinckney, deceased, has rendered and filed with the clerk of said Court his final account and report of his administration of said estate matter, and that Saturday, the 26th day of February, 1916, at the hour of 10 o'clock A. M. of said day, at the court room of said Court in the Court House in the City of St. Helens, in Columbia County, Oregon, has been appointed by said Court for the hearing of objections to said final account and the settlement thereof. All persons interested in said estate are hereby notified to attend at said time and place and make and file their objections to said account, if any they have.

Dated Jan. 25, 1916.
E. E. QUICK,
Administrator of the Estate of Nelson Pinckney, Deceased.

First publication, Jan. 28, 1916.
Last publication, Feb. 25, 1916.
J. W. Day, Atty. for Adm'r.

SUMMONS

In the Circuit Court of the State of Oregon, for the County of Columbia Jeanne A. Hemance, plaintiff, vs. Nicholas Hemance, defendant. To Nicholas Hemance, defendant above named: In the name of the State of Oregon you are hereby commanded to appear and answer the complaint filed against you in the above entitled suit on or before the 11th day of March, 1916, and if you fail to appear and answer or otherwise plead, for want thereof the plaintiff will apply to the court for the relief prayed for in her complaint, to-wit: that the bonds of matrimony now and heretofore existing between plaintiff and defendant be now and forever dissolved, and for a decree of divorce in favor of the plaintiff, the grounds of plaintiff's suit against defendant being wilful desertion for a period of more than one year prior to filing of complaint in the above suit, and plaintiff will ask for such other relief as may be just and proper. This summons is served upon you pursuant to an order made and entered by Hon. J. A. Eakin, Judge of

the Circuit Court of Columbia County, Oregon, on the 24th day of January, 1916, ordering this summons to be published once each week for six consecutive weeks or seven times in the St. Helens Mist, a newspaper of general circulation published in Columbia County, Oregon.

W. E. CRITCHLOW,
Attorney for Plaintiff,
726 Chamber of Commerce Bldg.,
Portland, Oregon.
First publication, Jan. 28, 1916.
Last publication, March 10, 1916.

NOTICE TO CREDITORS

In the County Court of the State of Oregon, for Columbia County. In the matter of the estate of Julia Adams, deceased. Notice is hereby given that the undersigned has been appointed administrator of the estate of Julia Adams, deceased, by the County Court of the State of Oregon, for Columbia County, and has duly qualified for said trust. All persons having claims against said estate are hereby notified and required to present the same duly verified and with proper vouchers, to the Administrator at his residence at Scappoose, Oregon, within six months from the date of this notice.

Dated Jan. 7th, 1916.
F. R. ADAMS,
Administrator of the Estate of Julia Adams, Deceased. 3-5

LODGES

Mizpah Chapter O. E. S. meets in Masonic Hall the second and fourth Saturdays of each month.
MRS. LILLA M. CROUSE, W. M.
JOHN PHILIP, Secy.

Tillicum Tribe No. 52, Improved O. R. M., of Yankton, Ore., meets at its wigwam, second and fourth Saturdays of each month.
W. G. BRANNON, C. of R.
EBER BROWN, Sach.

St. Helens Rebekah Lodge, No. 217, meets first and third Thursday of each month in I. O. O. F. Hall. Visiting members always welcome.
MRS. ANNE SAURER, N. G.
MRS. CHAS. BEELER, Secy.

Houlton Circle No. 478, Women of Woodcraft, meets the second and fourth Tuesday afternoon of each month at Houlton, Oregon.
AGNES DIXON, G. N.
ANNA DIXON, Clerk.

Columbia Encampment, No. 77, I. O. O. F. meets in the I. O. O. F. Hall, on the second and fourth Thursday of each month. Sojourning Patriarchs most cordially invited to meet with us.
CHAS. M. BEELER, C. P.
C. W. BLAKESLEY, Scribe.

Avon Lodge No. 62 Knights of Pythias meets every Tuesday evening in Castle Hall, St. Helens. Visiting Knights always welcome.
JAMES O'CONNOR, C. C.
E. A. ROSS, K. of R. & S.

St. Helens Lodge No. 32, A. F. & A. M. meets 1st and 3rd Saturday in each month. Visiting brothers cordially invited.
H. J. SOUTHWARD, W. M.
E. E. QUICK, Secy.

St. Helens Lodge No. 117, I. O. O. F. meets in the I. O. O. F. building, on the second and fourth Saturdays of each month, visiting members are always given a hearty welcome.
JESSE LANSING, N. G.
C. W. BLAKESLEY, Sec.

ON DOING WITHOUT

It's not what you have that makes your life complete—it's what you don't want. Study more and more to compress your wants—comfort, remember, may be packed in mighty small compass. Centralize yourself upon one thing—the building up of the biggest Account possible at the Columbia County Bank. The money you spend now will add nothing to your pleasures in the years to come; but the dollars that you bank here will bring you comfort in the years to come.

—The mighty Power of the Dollar is back of you so long as you do not spend it.

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Prince Albert fits your taste!

Meets the fondest wishes of any man who likes to smoke because it has the *right flavor* and aroma and coolness. It's the most cheerful tobacco you ever did pack in a jimmy pipe or roll into a cigarette. And it's so good you just feel you never can get enough. The patented process fixes that—and cuts out bite and parch!

When you fire up your first smoke you'll decide that you never did taste tobacco that hits your fancy like

PRINCE ALBERT

the national joy smoke

For it exceeds in goodness and satisfaction the kindest word we ever printed about it!

Men, we tell you this tobacco will be a revelation to you. So, take this information at 100%, get out the old jimmy pipe from its hiding place or locate the makin's papers—and fall-to!

Your wishes will be gratified at the nearest store that sells tobacco, for Prince Albert is in universal demand. It can be bought all over the states and all over the world! Topsy red bags, 5c; tidy red tins, 10c; handsome pound and half-pound tin humidors—and that fine pound crystal-glass humidior with sponge-moistener top that keeps the tobacco in such excellent trim.

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