

WILLAMETTE VALLEY FARMER

News and Views of Farm and Garden —By LILLIE L. MADSEN

Turkeys Take Own Feed at Less Cost

Turkeys pastured on alfalfa in the summer and then allowed to harvest seed of dwarf sunflowers in the fall were raised for market at substantially less cost than dry-lot fed turkeys in three-year experiments at the Matilla branch experiment station at Hermiston. While the tests were conducted on the sandy, irrigated soil common to the Hermiston project, the advantages of this type of turkey feeding could probably be duplicated or approached on other soil types, believes Dr. J. E. Parker, head of the poultry department of the state college experiment station.

Dwarf Sunflowers Used
Feed saving under the plan of having turkeys harvest their own forage after pasture ranged from 4.8 percent with soybeans to 12.4 percent with dwarf sunflowers. Expressed in terms of 1000 turkeys raised, this meant savings of from \$268 to \$693 for the season. Land requirements for 1000 birds averaged just under five acres.

In addition to the feed saved, the method of having the turkeys harvest their own pasture and forage resulted in marked improvement in soil fertility. This improvement was measured accurately by running fertilizer tests on land pastured with turkeys as compared with land on which turkeys were not ranged.

Pastures are Varied
The experiments at Hermiston were conducted by Dr. D. H. Sherwood, assistant poultry husbandman, and C. A. Larson, superintendent of the branch station. The tests involved pastures of immature barley, two kinds of sweet clover, and sweet sudan grass. Forage crops included common and dwarf sunflowers, corn, sorghum and soybeans.

Turkeys had difficulty harvesting the common sunflowers unless they were broken over for them, but with the dwarf hybrid variety, Advance, the turkeys had little difficulty reaching the seed. This variety was found to have other advantages. Corn was harvested well but not soybeans. Alfalfa was clearly superior as a pasture crop, with sudan grass next. The sweet clover proved to be not very palatable to turkeys.

Red-Clover Seed Production Down

Production of red-clover seed this year is indicated to be 25 per cent smaller than last year and 18 per cent below the 1938-47 average, the crop reporting service reports. The 1949 crop is forecast at 1,363,600 bushels. The decreased production of red-clover seed this year is due entirely to a reduction in acreage. The second crop, as well as the first, on thousands of acres was cut for hay instead of for seed because of local shortages of hay.

Polk Club Year Plans to Be Made

Planning 4-H club work for the coming year will be the main theme at the regular meeting of the Polk county 4-H local leaders association, Tuesday night, October 18, states S. B. Holt, president of the Polk County 4-H Local leaders association. The meeting has been set for 8 p.m. in the county court room in Dallas.

This is to be a kick-off for reorganization of the old 4-H clubs and organization of new clubs in Polk county.

Fur Farming Studies Taken Up, Corvallis

Problems of Oregon's fur farmers will be investigated by the Oregon State college agricultural experiment station beginning in November under a new research program just drawn up at a meeting of fur industry representatives and station officials on the college campus.

The first studies will deal with the nutritional aspects of feeding fish to mink and with mink diseases. Mink were selected for the initial research because these are the principal fur farm animals of Oregon.

Fish Feeding Studied
Objectives of the feeding project including finding the nutritional values of the various Oregon fishes, determining the amounts of the various kinds of fish that can be used satisfactorily in an economical feeding program, in studying the effect of season of catch, storage conditions and handling treatment on the feed value of fish, and checking the kinds and amounts of materials needed as supplements in the fish diet.

The station's experimental fur farm south of Corvallis is being readied to receive the first group of mink about December 1. Approximately 50 dark mink will be used in beginning phases of research, furnished by the Oregon Fox and Mink Breeders association.

Fish and Game Help
Cooperating in research will be the departments of fish and game, veterinary medicine and agricultural chemistry. Lee W. Kuhn, assistant biologist in fish and game, is feeding project leader with Phyllis Watt, graduate research assistant, as assistant leader.

Dr. James F. Sullivan, research assistant in veterinary medicine, will direct the mink disease work. Dr. J. H. Haag, animal nutrition chemist, will help judge feeding trial results and will make the necessary chemical analysis of feeds used in the trials.

Representatives of the fur industry who met with station officials to draft research plans included C. A. Smith, Seaside, president of the Fox and Mink Breeders association; Gene Nadon, Astoria, association secretary; and Robert H. Watt, Bay City, Harvey Ronne, Salem, is the fourth member of the industry committee.



Mrs. A. A. Greer of Salem has been playing hostess this week in the Marion county booth at the Pacific International Livestock show in Portland. Mrs. Greer was in charge of booth arrangements this year for Marion county for the 30th year. The replica of the Marion county court house has drawn a great deal of attention during the week, Mrs. Greer reports. (Farm Photo for the Statesman.)

Guernsey Heifer Sale to Be Held Oct. 22, Salem

A fall sale of approximately 30 registered Guernsey heifers sponsored by the Oregon Guernsey Breeders association will be held at the state fairground on the outskirts of Salem on Saturday October 22. It has been announced by Ben Newell, Salem, who is in charge of local sale arrangements.

One section of the sale will include heifers on which bidding will be limited to World War II veterans. Others will be offered for sale to 4-H club and FFA members. The sale will replace a spring junior sale which has been held three years previously.

Top quality heifers have been selected from herds from all parts of the state by a sale committee headed by L. E. Francis, Tillamook, chairman. Committeemen contacted were Vernon Boeckman, Sherwood; Cecil Johnson, Grants Pass; Dick Lyon, Junction City; Herb Howell, Astoria, and Lester Erb, Albany.

Each of the animals selected by the sale committee has been chosen for type, production and pedigree arrangement. Newell is secretary of the Oregon Guernsey Breeders association, the sale sponsor.

HARMS TO MOVE
Mr. and Mrs. Roy L. Harms, widely known breeders of Chester White swine and Southdown, Lincoln, Cotswold and Shropshire sheep have moved from Lone Elder to the Needy district where they have taken ownership of the old Louis Kieling farm of 107 acres. They will sell their nine acre farm in the Lone Elder district near Canby.

Farm Calendar

- Oct. 14—Fitzgerald Jersey sale, Multnomah fairgrounds, Gresham, 11 a.m.
- Oct. 14-15—Pacific International dog show.
- Oct. 15-16—Capital City Rabbit Breeders association show.
- Oct. 16—Marion County Jersey Cattle club, Quinby RNA hall, Salem-St. Paul highway.
- Oct. 18—Polk county 4-H club leaders association meeting, 8 p.m. County Court, Dallas.
- Oct. 19—Marion County Pomona, Waldo Hills, Canning contest.
- Oct. 20—McMinnville Farmers' union, William Warrington, farm home.
- Oct. 22—Guernsey Heifer sale, State fairgrounds.
- Oct. 31-Nov. 4—4-H club leaders tractor maintenance clinic, OSC.
- Nov. 5-12—National 4-H club achievement week.
- Nov. 6-8—Annual convention of Oregon Wool Growers, Portland.
- Nov. 14-15—Annual convention of agricultural cooperative council of Oregon, Multnomah hotel, Portland.
- Nov. 15-17—Oregon farm bureau federation, Sacajawea hotel, LaGrande.
- Nov. 15-18—Pacific Coast Turkey exhibit, McMinnville.
- Nov. 17-18—Annual meeting of Oregon state horticultural society, Eugene.
- Nov. 17-18-19—15th annual Bank of Albany Corn show, Albany.
- Nov. 19—Marion County Corn show, Central Howell.
- Nov. 25-26—Clackamas county corn show.
- Dec. 6-10—Northwest Turkey show, Roseburg.
- Dec. 9-10—Eighth annual Oregon state corn show, Ontario.

Linn County Corn Show Announced

The 15th annual Bank of Albany Corn show will be held in the lobby of the Bank of Albany on November 17-19. H. Joe Myers, county extension agent has announced.

This show is open to all 4-H club members in Linn county who have taken part in the 15th annual Linn county corn contest sponsored jointly by the Bank of Albany, Heyman Campbell Farms, and Harley Hoskin.

Three varieties will be exhibited in two exhibit classifications: the varieties are Oregon 525, Oregon 100, and Oregon 355. The exhibit classification is based on land class, being set up as follows: contestants having soils of the Chehalis, Newberg, and Willamette series lying west of a line drawn north and south through Seio and Lebanon and a section around Waterloo compete in the bottom land class.

Five Grass Seed Growing Costs Figured

Net returns per acre to Willamette valley growers of chewings and alta fescue and of highland bent grass averaged almost the same in 1948, but all far outstripped the acre returns from perennial and common rye grass, according to results of cost-of-production studies just published by the Oregon State college experiment station.

On poorly drained valley soils, for example, alta fescue in solid stands averaged \$32 net per acre while common rye grass averaged \$15 and perennial rye grass \$11. This was in spite of the fact that cost per pound for production of alta was about twice that of the rye grasses.

Even so the men of the agricultural economics department who made the studies do not expect alta fescue to replace the rye grasses, since stands are usually more difficult to establish, there is wider variation in returns, and since a steady market for the rye grasses exists year after year.

On hill soils alta fescue in solid stands gave an average return of \$71 per acre compared with \$60 for highland bent grass and \$56 for chewings fescue. Average yields were 322, 164 and 252 pounds per acre respectively.

Nine fields of alta fescue grown in rows and cultivated averaged, for all soils, 628 pounds of seed per acre. Although the net cost of production per pound under these conditions was 9.6 cents compared with 7.6 in the solid stands, the higher yields made the net return per acre \$136 compared with an average of \$57 for solid stands on all soil types.

The Statesman's Farmer-of-the-Week

Mary Elizabeth Leabo was chosen this week's Statesman Farmer because of her work with purebred Jerseys. Mrs. Leabo herself owns and operates Echo Hills Jersey farm near Independence. B. F. Leabo, her husband who is a mechanic, "just isn't particularly interested" in farming she says, but he will look over the place to see what is going on.

Mrs. Leabo was born on a farm in Kansas and lived there until 12 years old when her family left the farm. She came to Portland in 1903, where she raised her three sons—none of them to be farmers—and later when the children were all gone she found she had to have something to keep her mind occupied—so she just bought a Jersey farm.

Echo Hill is the former L. A. Hulbert ranch. There are now more than 40 head of registered animals, including 11 heifers which will freshen before spring. The 115 acres are used chiefly to furnish feed for the cattle.

Mrs. Leabo has been enjoying the Pacific International this week, where Betty Jean Vogt of Salem is in charge of Mrs. Leabo's entry, as well as entries from the Eagle's Nest herd owned by Neal Miller and Fred Davis of Woodburn.

Mrs. Leabo, an attractive small woman, admits she does not do her own milking. She does have a herdsman. But just the same, she adds, she knows her cattle and enjoys them a great deal.



Mary Elizabeth Leabo

Nitrogen on Grass Aid to More Pasture

Add a 40-pound-to-the-acre application of available nitrogen this fall on alta fescue, chewings fescue, perennial ryegrass and other perennial grasses to be cut for seed, and reap the benefit next year at harvest.

The result of the nitrogen applications will be increased seed yields as well as additional growth yet this fall which will provide more fall pasturing, according to Leroy Warner, Oregon State college extension soil specialist. Stimulated growth will also reduce thinning from winter injury, he adds. Forty pounds of available nitrogen is contained in 200 pounds of ammonium sulphate, Dr. and Mrs. W. E. Grodrian, at 135 Cherry street.

CHURCH SOCIETY TO MEET

SILVERTON—The Esther Circle of the Women's Society for Christian service of the Methodist church will meet Thursday, October 13 at 8 p.m. at the home of Dr. and Mrs. W. E. Grodrian, at 135 Cherry street.

WANTED
Old or Second Growth
LOGS
TOP PRICES PAY WEEKLY
WEST SALEM LUMBER CO.
Rt. 1, Box 39, Salem - Phone 3-9593 - Eves., 2-8134

Walkins Products Must Be Good!
The same quality throughout for 80 years.
• Household Supplies
• Cosmetics
• Human Minerals
• Stock Minerals
Milton A. Dierks
4320 Dierks Road
Phone 3-1602

HAWAIIAN NAMED
The appointment of Dr. W. A. Frazier, former head of the department of vegetable crops at University of Hawaii, as horticulturist in charge of vegetable crops for the Oregon State college agricultural experiment station, has been announced by W. A. Schoenfeld, dean and director of agriculture.

Conscientious, Dignified Service
HOWELL - EDWARDS
SALEM FUNERAL CHAPEL
545 North Capitol Tel. 3-3672

VERSATILE as a jeep!
-that's PRES-TO-LOGS THE CONVENIENT, CLEAN ALL-PURPOSE FUEL
Capitol Lumber Co.
No. Cherry Ave.
Phone 3-8862 or 2-4431

If You're Moving ... Want To Know A Secret?
You can save up to Half on Your moving bill if you
Rent a Truck
price's Car Truck **Rental Service**
• By the Hour--Day--Week--Month
• Special Refrigeration Trucks
• Padding at No Extra Cost
• Gas and Oil Furnished
Smiling Jack's Super Service
Center and Church Sts. Phone 3-9600

OREGON DEPT. OF AGRICULTURE INSPECTED AND PASSED A1

MIDGET MARKET
Salem's Retail Packing Plant
GOOD MEAT NEWS
Here are More Splendid Opportunities for you to Make That Food Budget Accomplish More. Like Hundreds of Salem Housewives, You too Will Find Great Values at This Market. You Really Cannot Afford to Pass Up These Savings.

FRESH PICNIC Pork Roast 35¢ lb.	LEAN CUTS Pork Steak 43¢ lb.	DAINTY LEAN Loin Chops 55¢ lb.
---	--	--

From Grain Fed Little Porks, With That Tender, Chicken-like Texture and Flavor.

OUTSTANDING BEEF VALUES

Boiling Beef lb. 20¢	Lean Beef Cubes . . lb. 40¢
Boneless Rump . . . lb. 50¢	Beef Roasts lb. 39¢
Round Steak lb. 59¢	Tasty Bologna . . . lb. 35¢

"FLAVORIZED HAMS" FAMOUS FOR FLAVOR AND TENDERNESS. It taxes our capacity to keep up with the demand for these delicious hams. Like Freshly Picked Fruit—"FLAVORIZED" Ham Tastes Temptingly Different Compared to the Shipped in Variety.

SKINNED HAMS whole or half **Lb. 55c**

OPEN KETTLE LARD Strictly Pure 2 lbs. 25c	SKINLESS FRANKS Small, Tender 35c lb.	OLD FASHIONED HEAD CHEESE A Favorite 35c lb.
PURE PORK LITTLE LINKS 45c lb.	FRESH GROUND BEEF 37c lb.	PURE PORK SAUSAGE 40c lb.

The above are prepared from FRESH CUTS OF INSPECTED MEATS USELESS TO PAY MORE—RISKY TO PAY LESS

WHEN YOU SEE IT IN OUR AD, IT'S SO