

The Valley Agriculturist and His Work

Markets -- Crops -- Farm Home -- Livestock

The Diversified Interests of
Willamette Valley Farmers

Editor's Note

Mrs. Madeline Collin, Valley News editor of The Oregon Statesman, is also in charge of the market news of this paper. Each Sunday she writes concerning the agricultural news of interest to valley farmers. Contributions of merit are invited.

DAIRY FARMERS APPROVE PLAN

Hohenheim System of Pasturing Dairy Cattle is Successful

Editor's note: Rotation grazing which has been a subject of interest to western dairymen for some time, attracting the interest of progressive farmers all over the world. The following account is reprinted from the Fertilizer Review and gives an accurate account of results obtained by the use of the Hohenheim system.

"The so-called Hohenheim or intensive system of pasture management, which is attracting the attention of agricultural authorities and progressive farmers of two continents and in recent years has demonstrated its value in northern Europe, especially in Germany and Great Britain, can be successfully transplanted to the United States.

Conclusion of Dairymen
This is the conclusion reached by at least five prominent dairymen of this country who reported their personal experience and observations before a large group of agricultural editors, agronomists and fertilizer executives at the pasture improvement conference in New York, October 15 and 16. The dairymen representing the four states of Massachusetts, New York, Pennsylvania and Ohio, were given further support in their conclusions by reports from nearly 100 dairymen from these and other states, who likewise are trying the intensive pasture-fertilization system on their own farms.

This system, which was originated at Hohenheim, Germany, consists briefly in the division of the pasture into a number of small fields and the rotation grazing of the herd on these pastures. By this plan the dairy animals are constantly provided with a fresh supply of succulent, tender grass which, in addition to producing much larger yields of milk of higher protein and mineral content and therefore of greater feeding value.

The cows are able to get their fill of grass in about two hours on the fertilized pasture and then lie down, but on the unfertilized land nearby they have to eat all day and are always trying to get through the fence, C. T. Hurbutt, of Mexico, N. Y., stated. His records showed a gain of \$180 worth of milk at a cost of \$39 for treatment of about four acres. The treated land also stood the effect of the drought much better than the rest of his pasture and provided grazing for several days after the grass on the untreated had dried up.

Although the drought in Ohio was the most severe on record, Dan Schaaf, dairy farmer near Columbus, reported that the "Hohenheim" pasture experiment being conducted on his farm by the Ohio State university, was highly profitable and produced as much feed per acre before the drought came as is usually produced during an entire normal grazing season. The interest in his pasture work and large dairy herd is indicated by the fact that during the past summer agriculturists and economists from nine foreign countries, including two from Soviet Russia, visited his farm. The grasses grown in his fertilized lots averaged over 20 per cent protein content which is substantially higher than that of most grass pastures.

"An Early Bite"
The intensive system gave the cows on the farm of W. H. Walker, Ashby, Mass., an "early bite," the treated portion of his pasture being ready to eat several days earlier, and on May 9 yielded practically five times as much feed per acre as the untreated.

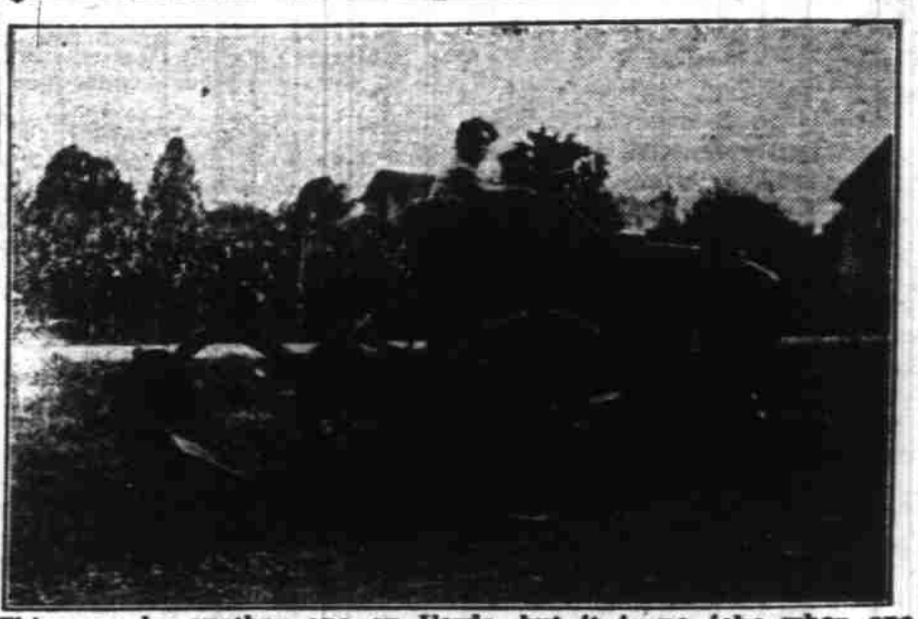
Three acres of fertilized land on the farm of C. R. Carpenter, Crooked Creek, Pa., produced 19,000 pounds of milk in the same length of time that four acres of unfertilized pasture yielded only 13,000 pounds.

Another Pennsylvania farmer, C. G. Dietrich, manager of the Bolton farm at Bristol, a farm which originally belonged to William Penn, and is still owned by his descendants, returned approximately \$7 worth of milk for each dollar invested in his pasture treatment, although it is explained that the milk is a special grade and brings a fancy price.

"The intensive system of pasture management is not merely one of distributing fertilizer and letting the cows harvest the increased growth," Prof. John B. Abbott, dairy farmer of Bellows Falls, Vt., and pasture expert of the national fertilizer association, said in reporting observations made during an extensive pasture study tour of European countries from which he has recently returned. "The right fertilizer must be applied at the right time and the grazing herd rotated from one plot to another in such a way that the animals can get the grass while it is tender and nutritious.

"It costs three to four times as much per day to feed a cow in the barn as to feed her in the pasture. The whole question of economy of pasture fertilization, therefore, depends upon the saving that can be effected in the purchase of feed for the cow, plus any increase in milk production.

ANOTHER FORD STORY



This may be another one on Fords, but it is no joke when one watches the results obtained by E. E. Watkins with his special tractor.

Unique Tractor Owned by E. E. Watkins Delays Arrival of Hubbard Scholars

By MAUD BIDGOOD HUBBARD, Nov. 22—A tractor of his own invention used by E. E. Watkins in preparing the soil for the fall planting of sweet peas in Mrs. Watkins' "Sunrise Gardens" placed him much in the same position as that of Longfellow's "Village Blacksmith" at whose shop the children going to school to learn the art of the open door, hinder used for the school to watch Mr. Watkins plow and in many instances to enjoy a ride in his machine.

The frame of a model T Ford having a 1918 engine was used in the construction of the tractor, the driving gears of which are the rear axle assembly of a French model T Ford truck. The rubber tires were removed from the front wheels of the Ford and the big drive wheels of a Milwaukee Junior binder used for the rear wheels of the tractor. A Chevrolet transmission was placed between the engine and rear axle to reduce the speed and 18 inches of the front axle were cut off to narrow the tread.

Mr. Watkins has used no attachments such as are advertised for transforming Ford cars into tractors but has built up his tractor using only the parts mentioned and doing all the work except the cutting of the front axle which job was done by the blacksmith.

A lever fastened to a 12 inch steel plow allows the plow to be raised or lowered as the driver desires. Plows, cultivators and other farming implements are easily attached by means of hooks fastened to the tractor. Mr. Watkins finds his tractor to be especially handy for corn, and other plants where he wishes to turn in small spaces since he can hoist the attached farm implements clear of the ground.

Mr. Watkins expects to plow and cultivate his 30 acre farm west of Hubbard with his invention.

It has been only a short time since Mr. Watkins completed the construction of his tractor but sufficient trial has been given it to prove that the experiment is a success and to convince the inventor that the machine will fulfill all of his expectations of it.

have, the farmers made a distinct step forward in the passing of the marketing act.—Alexander Legge, Chairman, Federal Farm Board.

Cooperative Marketing Is Praised

"It is too late to question the efficacy of cooperative marketing. The nation has set its stamp of approval upon it and has blazed a trail for every farmer to follow. You know something is wrong with agriculture. There may be many and various remedies. Still the government is behind only one, and regardless of your opinion you might just as well get on the wagon and drive hard.

"We're all going one way, and it would be just as hard to make progress in the opposite direction as for one steer to run against the rest of the herd. Regardless of what measure of success the present movement may

W. E. BURNS--DAN BURNS
Not Brothers The Same Man
Ferry at High
Salem, Ore.

PRUNE MARKET MORE ACTIVE

Sales Reported Increasing, Crop out of Growers Hands in Places

"Prune Week—November 17-22" was extensively advertised in Portland and other western Oregon cities, by the department of foreign and domestic commerce of the Portland chamber of commerce, cooperating with the majority of packers and distributors of the district. Attractive display advertising, window cards, newspaper would prove of eventual benefit to the industry as a whole.

Considerable volume of prunes are finding their way to local consumer markets, by direct sale of ungraded stock by producers to wholesale and chain food distributors, who sort and process their stocks for their own retail trade. This direct movement, although totalling only a small tonnage, assumes more than its usual relative importance, in this year of small production and low prices—when all outlets are appreciated.

Growers' sales continued in moderate volume last week, especially in Yamhill and Douglas counties. There was also limited movement from other districts except, as in Clark county, where prices were nearly all out of growers' hands.

Actual sales were reported as made at the following quotations: 30-35s, 4 1/4 to 4 1/2c, mostly 4 1/2c. 35-40, 4 to 4 1/4c, mostly 4 1/4c. 40-42, 4c. 43-45, 3 5/8 to 3 3/4c. 45-50, 3 3/8 to 3 1/4c. 50-55, 3 1/8 to 3 1/4c. 55-60, 3 5/8 to 3c. 60-65 2 1/8c.

Yamhill and Polk county prunes moved mostly at the higher range of these quotations. Elsewhere, the full range was represented.

Clark county: Prunes mostly all sold, except less desirable lots. Little activity, and practically no change in the situation this week. Market is weak.

Yamhill: "From McMinnville to Forest Grove and vicinity, the growers still hold about 600 tons. 250 tons have been sold during the past ten days. Prunes are well-dried and well sorted. A good crop is anticipated next year. 25 per cent of the prunes were not harvested this year."

Amity: Prunes in this locality practically all pooled for later sale. One lot of about 90 tons in this district sold at 4c this week, which averaged 55s. Some forced selling earlier in November.

Canyonsville: Demand and trading limited. No much change in market conditions. Very few sales.

Oakland: Prunes mostly out of growers' hands. Few small crops sold at 3 5/8c for 40-42s, and 3 1/4c for 43-50s.

SHOULD BE WELL COOKED
An exchange has this advice for the lovers of pork: Beware of trichinosis at this time of year. Most cases of this serious disease arise from eating raw or imperfectly cooked pork or products containing raw muscle tissue of swine. Trichinosis appears in the swine very little trouble, but it is painful and frequently fatal disease to man for which there is no dependable treatment or cure. Cooking pork or pork products before eating is a dependable preventive. Trichinosis is most prevalent in the fall and winter when large numbers of hogs are slaughtered on farms and their products are eaten without adequate cooking.

Production Costs Must Be Kept Low Declares Sec. Hyde

On many of the needs of agriculture, we can readily agree. We need the benefits of scientific research and of exact knowledge. Agriculture must have the results of experimentation in the selection of plant varieties and animal blood strains. It must be shown how to control insect pests and plant diseases. The value of our forested lands must be continuously stressed. National economy in the present, and the preservation of the race in the future, demand that the fertility of the soil must be maintained. Biological facts must be translated from the language of science into the everyday methods of the farmer. Low cost production is not only one of the demands of the consuming population—it is also a necessity thrust upon the farmer by the hard facts of ruthless competition.—Secretary of Agriculture Arthur M. Hyde before the Inter-American conference on agriculture, forestry, and animal industry, Washington, D. C.

FARMERS AND SONS TO DINE

Presentation of National Award to James Neal to Feature Banquet

SILVERTON, Nov. 22—The presentation of the Future Farmers' of America key to James Neal, who was recently awarded this honor at the national convention of Future Farmers of America at Kansas City, will be a feature of the Father and Son Future Farmer banquet to be held at the high school on December fifth. Earl Cooley, state supervisor of vocational education, will present the key.

A special guest will be Kenneth Pettybone, state president of the Future Farmers.

Great plans are being made for the banquet which will be one of the outstanding events of the season at the senior high school at Silverton. The home economics girls of the high school will prepare and serve the dinner.

S. P. AGENT FAVORS WORK

County Agent Program Indorsed by R. E. Kelly Recently

WOODBURN, Nov. 22—In an official communication with John Ramage, president of the Woodburn Cooperative Fruit Growers' association, R. E. Kelly, manager of the development and colonization department of the Southern Pacific has definitely stated that he is very much in favor of the county agent system.

The letter will be presented by John Ramage at the county agent hearing which is scheduled to take place soon.

The last two paragraphs of the letter from R. E. Kelly reads as follows: "The company believes Marion county would be taking a wise step in doing so, particularly if guided by the state college extension service and United States department of agriculture in selecting the right man for the position. It is an experience that counties employing agricultural agents benefit far in excess, of the expense of employing the agent. The trained agent can render invaluable service by organizing and directing thought and work on problems affecting all the farmers of the county."

R. E. KELLY.

GRANGE OFFICERS TO GO ON TOUR

Mrs. W. F. McCall, State Lecturer Going to Eastern Oregon

WALLACE ROAD, November 22—Mrs. W. F. McCall of Wallace Road will accompany district deputy state master S. H. Edwards of Corvallis and Mrs. Edwards on a trip to eastern Oregon starting November 26.

Their first stop will be in Portland where they will stay overnight then drive to Igo in eastern Oregon for the annual Thanksgiving community dinner which Mr. and Mrs. Edwards attend each year.

The party will also include a group of Oregon State college students from eastern Oregon who plan to spend the Thanksgiving holidays at home. Mrs. Mc-

W. W. Henry to Manage Milk Co-op in Oregon

W. W. Henry, for five years manager of the Seattle co-operative milk producers association has accepted the position of manager of the Oregon association, according to an announcement made Saturday by R. W. Vlack, member of the state board of directors.

Mr. Henry has been remarkably successful in his work in Seattle and his consenting to act as manager of the Oregon association is considered a great thing for the milk producers of the state.

It is expected that Mr. Henry will begin his work about January 1. His headquarters will be in Portland.

Call has been urged to visit eastern Oregon granges as a state lecturer has seldom been there, and Andy Charles Wicklander has charge of eastern Oregon granges. His home is at Boardman. Arthur Brown of Roseburg has charge of southern Oregon and a number of eastern Oregon granges will be visited by the party.

PRIZE BOAR DIES OF PNEUMONIA

RICKEY, Nov. 22—C. A. Warner, a breeder of Berkshire hogs had the misfortune to lose his famous young boar, Andy V.

Andy V. was reserve grand champion and junior champion boar at the California state fair. Andy contracted pneumonia and died enroute home.

Mrs. Warner has been a raiser of pure bred stock for a number of years and besides raising Berkshire hogs Mr. Warner raises pure bred Cotswold sheep that have won a number of ribbons. Ayrshire cattle, and Rhode Island Red chickens. Recently, Mr. Warner added Holstein cattle to his farm.

He purchased a young bull from the well known F. Durbin and Son prize winning herd and a heifer from the equally well known herd of the St. Benedict's abbey farm at Mt. Angel.

The Warner farm is known as the Pudding River Stock farm and is managed in an up to date manner.

A SPEED RECORD
John and Frank Harvey of Newport, Ind., this summer harvested their wheat with a combine; ground the grain with coffee grinders on the spot, put the

GARDENS YIELD SUMMER FRUIT

Monmouth People Conduct Unusual Experiments on Small Scale

By BRULAH H. CRAVEN
MONMOUTH, Nov. 22—Mrs. Addie Shore and Mr. and Mrs. C. A. Newman of Monmouth, are exploiting a bit of near-tropical agronomy on their respective domains, where luscious ripe red raspberries are being plucked for shortcakes and the like. An ever-bearing variety of vine, set out two to three years ago, is responsible for the phenomenal production.

Newman says he prunes the canes early, in July of August, and new lateral growths form which bear the late fruit in a mild season such as the present one. If strawberry plants are cut back closely immediately after the bearing ends, a new growth will appear which in mild autumn weather such as the present will bear fruit in the present fall. He will produce the October and November berries.

Newman says he has always wanted to see how many varieties of apples he could produce on one tree, but unfortunately has never stayed long enough on one place to check up on his grand and budding experiments. He now is budding a rose bush with every other sort of rose he can obtain.

The budding operation, which is most successfully handled in July, he says, is very simple, and worth any one's trial efforts. A small segment of branch growth—about one inch long—is so pared that a single bud with bark intact on the bud side and the wood cut away very thinly on the opposite side, is inserted into a tiny T shaped slit in the bark of the branch to be budded. The branch bark is carefully drawn up over the edges of the insert and firmly wound about with twine to hold the incised parts compactly. If the bud grows, the original branch extension may be cut away. If it fails to grow the wound will heal over and do no damage to the branch.

grist into an automobile and rushed it to Newport, where it was turned over to the town baker, who converted it into whole wheat biscuits. These were rushed back to the wheat field where lunch, with biscuits made from wheat that had been before, was served. The grinding standing in the field 72 minutes of the wheat in the coffee mill was the slowest operation of all, taking 20 minutes.

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