

Interesting Notes On the Root Crop

The root crop is one of the best friends of the dairy cow. Every dairyman should provide one acre of roots for every ten to fourteen cows in the herd.

One of the drawbacks to the root crop is the amount of work that is necessary to grow the crop. By doing the right thing at the right time the amount of work can be decreased and the yield increased thereby lowering the cost of producing a ton of roots.

There are several minor practices that have an important bearing on the crop. First, the rows should be straight, for by so doing, it is possible to plant the rows closer together, thereby increasing the stand. It is possible to run the cultivator closer to the plants in straight rows than in crooked rows. This is one practice that costs nothing.

The seeder should be so set as to plant a pound or less of seed to the acre. The less seed planted, provided the stand is even the less work there is in thinning. If seeded thinly enough most of the thinning can be done with the hoe.

Thinning early is very important. If the plants are allowed to get more than two or three leaves before thinning it will increase the cost of thinning and also decrease the yield. The weeds also have grown to such a size as to require real work to remove them. Late planting also decreases the amount of weeds to contend with. Thinning should begin after the crop has been up a week. Blocking out with a hoe is the first step in thinning. After blocking, the stand should be hand weeded and thinned.

It is not only important to thin early, but the manner of thinning is equally important. The distance apart determines the yield and to some extent the keeping quality of the root crop. The Borfield turnip should be thinned to 8 inches in the row. If this variety is given more room, it will grow too large and split. The width of the hoe is about right for this variety. All varieties of turnips should be thinned to less than 12 inches between plants in a row.

The rutabaga and the mangold should be given more room. The larger the root, the better for this type of plant. About 15 inches is best distance. When thinning and the plants are small, 15 inches look like a great distance. The tendency, in most cases, is to leave the plants too close together.

The root field should be watched very closely for cut worm injury. At the first sign of cut worms, the poison bait should be applied. The formula can be secured from your county agent.

Briefly summarized, the following practices are recommended in growing roots.

1. Plant in straight rows.
2. Plant thinly.
3. Thin early.
4. Thin turnips 8 to 12 inches in a row.
5. Thin rutabagas and mangolds to 15 inches in a row.
6. Watch for cut worms and poison them if they appear.
7. Use only a spike-tooth cultivator in cultivating the root crop.
8. Give the root crop a fair trial by doing it right.
9. Consult your County Agent for problems that arise in the growing of the root crop.

WHERE DO YOU SWIM?

Swimming is undoubtedly one of the most delightful and healthful of exercises and should be encouraged in every way. If you haven't already learned to swim by all means do so. It not only provides a very enjoyable form of recreation but it might, and often does, prove of very practical use. Where to swim should be given careful consideration. The Willamette river below Cottage Grove for the greater part is polluted and swimming is not safe from a health standpoint. There are hundreds of rivers and lakes throughout the state, some near by and some far away, which are frequented by swimmers or bathers. The water in many of these is relatively safe, in others it is not. Short of having a test of the water at the point in which you expect to swim and at a time when this body of water and its surrounding cottages and buildings are being used, there is no way of knowing definitely the purity of the water but there are a num-

ber of points of observation which will be helpful in determining the probable safety of a swimming place.

(1) Always remember that a water is not safe to swim in unless it is safe to drink.

(2) Don't place confidence in the appearance of the water. A water may look perfectly clear and still be grossly polluted.

(3) Pay particular attention to the location of the lake or stream and its drainage. What are the possibilities of pollution from cottages? Are there streams running into the body of water in which you intend to swim, and if so do they contain water of known purity or may they be polluted by drainage from the territory through which they run? In addition to having safe water the swimmer should safeguard himself with respect to a number of other points.

(4) Never dive into deep water from shore unless a good swimmer or boat accompanies you. A severe cramp will drown the very best swimmer.

(5) Do not go in bathing until one and a half, preferably two hours, after eating.

(6) If over-heated, cool off gradually before entering the water.

(7) Never dive into water without first determining its depth and the possible presence of rocks or other obstructions.

(8) Do not over expose yourself to the sun. Take only a few minutes at a time in the sun until after you have developed a protective coat of tan.

(9) Learn to swim and enjoy it but be sure that you swim in safe water and that you use reasonable precautions to avoid possible accidents.

Natal

Mr. and Mrs. Lee Osburn spent several hours on business at Mist Friday.

The Fourth of July was spent quietly in this community, with a few families celebrating away from home. There were plenty of outsiders here to spend weekends with friends and relatives.

Pete Benzer shot and killed 3 large full grown black bears near his home last week. There were four of them together but one got away. Mr. Benzer found the bears in a loggery near a herd of sheep belonging to him and Mr. Cartwright.

A lovely day was spent Saturday when three brothers and their wives met at Natal. Mr. and Mrs. Pete Neurer from Astoria and Mr. and Mrs. George Neurer from Portland spent the day with Mr. and Mrs. Jake Neurer at their home at Natal.

Jim Green was a business visitor at Mist Monday.

Mr. Lee Osburn bought a calf last week from Ann Wallace at Mist.

The Joe Benzer family were shoppers in Vernonia last weekend.

William Brown, game warden, was a caller at Natal during the weekend.

Jake Martello was a Natal caller one day last week.

Floyd Deeds and Clarence Lindsey were Friday evening visitors at Vernonia.

Miss Annie McMullin spent the weekend at Riverview with her grandparents, Mr. and Mrs. J. Estes.

Jake Neurer was a Vernonia business caller Monday.

Jim Green cut some hay for Lee Osburn last week.

Mr. and Mrs. Henry Gray and Dale Osburn and Mr. and Mrs. Jake Neurer spent Sunday picnicking on Oak ranch creek.

Jim Miller was a business caller at Vernonia Tuesday.

Reed Halding and son George and daughter Bertha were Clatskanie shoppers Tuesday.

Miss Evelyn McMullin came down from Buxton last week to spend a few days with her cousins at Natal.

Dr. Eby made several calls in this neighborhood last week.

Bob Linsey was sick in bed at his home for a few days last

Richfield Scout Car On Trip Through Canada Will Cover Over 6,000 Miles

Los Angeles, July 4—Outdoor Franklin, famous exponent of "The Great Open Spaces," has just started on his most ambitious scouting trip. He is now on his way in his equally famous Richfield Scout Car to Prince Rupert, Canada, and, before he returns home, will have covered more than 6,000 miles.

Going North he will cover the Redwood highway from Sausalito to Crescent City, California, reporting on road conditions. He will follow the Roosevelt highway to Portland via Gold Beach Tillamook and Astoria. The Pacific highway will be his route to Prince Rupert.

Returning, will take side trips to Mt. Rainier National park; make the famous Mt. Hood Loop out of Portland, and when he reaches Eugene, Oregon, will go over the McKenzie Pass route to Bend down the Oregon Skyline Trail to Crater Lake, thence back to the Pacific highway at Medford.

The last stage of the trip will week but is much better at this writing.

Mr. and Mrs. Charlie Hill of Portland arrived here a few days ago to spend their vacation at their summer home.

Mr. and Mrs. John Estes and two sons Olie and Oren from Riverview were guests on the Fourth of their daughter's family at Natal.

Mr. and Mrs. Ira Peterson drove to Mist on business Wednesday evening.

Mrs. M. Dunlap of Vernonia recently sold her farm near Natal to some outside folks.

Mr. and Mrs. Jake Neurer spent Wednesday in Hillsboro at the court house on business.

Eden Wallace and son Delmer were visitors in Vernonia on Thursday.

R. Taylor drove to Pittsburg Thursday on business.

Mr. and Mrs. Dave McMullin were Vernonia visitors on Thursday.

The Aim Wallace family were visiting friends at Natal Thursday evening.

Mrs. George Taylor and son Rae were shoppers in Vernonia Saturday.

Mr. and Mrs. Noble Dunlap spent Thursday evening at the home of Mr. and Mrs. Bob Linsey.

Mr. Watts from Vernonia accompanied Mrs. Watts on the Natal-Mist mail route last Friday.

William Bridgers and Alberta De Rock have taken charge of the merchandise and grocery store at Birkenfeld, which Mr. and Mrs. Bridgers recently purchased from Mr. and Mrs. J. O. Libel.

Mr. and Mrs. Claud Mason, Mr. and Mrs. Clarence Watson and Mr. and Mrs. Standley Ku-

REPORT OF CONDITION OF THE

Bank of Vernonia

at Vernonia, County of Columbia, Oregon, at close of business June 30, 1930.

RESOURCES	
Loans and discounts	\$116,694.62
Overdrafts	754.33
Bonds, securities, etc.	131,382.04
Banking house \$11,840, furniture and fixtures \$8,250	20,090.00
Real Estate owned other than banking house	5,447.90
Cash, due from other banks and cash items	45,468.67
Total	\$319,837.56
LIABILITIES	
Capital stock paid in	\$ 25,000.00
Surplus	5,000.00
Undivided profits—net	1,872.09
Demand deposits	187,015.36
Time certificates	16,949.99
Savings deposits	84,000.12
Total	\$319,837.56

State of Oregon, County of Columbia ss:
I, J. C. LINDLEY, cashier of the above-named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.

J. C. LINDLEY, Cashier.
Subscribed and sworn to before me this 2nd day of July, 1930.
H. E. MCGRAW, Notary Public for Oregon.
My commission expires November 26, 1932.
Correct—Attest:
A. L. KULLANDER,
J. H. BUSH, Directors.

petite while if additional green feed is given them in the barn they will eat the extra amount needed to keep up the milk flow.

Once a herd is free from infectious abortion utmost care is needed to keep it so, finds the experiment station. One Oregon herd was entirely free when a heifer got away and was not found for more than month. At the next regular test after she was returned this heifer and stallmates on either side were found to react to the abortion test.

Franklin's car is outfitted so that he lives in it with comfort—a luxurious "suite on wheels." It is equipped with refrigeration, complete cooking facilities and has a compartment for carrying fresh water. The car is also fitted with radio.

Franklin is a great favorite with Western motorists, and a popular figure among nimrods, anglers and outdoor devotees in general. He is recognized as one of the best informed men on the Pacific coast as to fishing and hunting conditions.

He is arranging to keep in communication with Richfield headquarters so that the hundreds of letters he receives seeking road and stream information will be answered promptly while he is away.

back all of St. Helens were visitors at the Jake Neurer place the Fourth.

Elmer Linburg was a caller at the home of Carl Her Friday.

Mr. and Mrs. Dave McMullin called at the home of Mr. and Mrs. Oliver Bunas Friday.

Jack Neys was a visitor in this community one day last week.

FARM REMINDERS

It is possible to mow hay twice as fast with a tractor as with a team, although not necessarily at half the cost, the Oregon Experiment station has found.

Fine, leafy alfalfa, grown under the same conditions, will yield much heavier than coarse alfalfa, according to the Oregon Experiment station, as 50 to 60 per cent of the plant weight is in the leaves. Instances have been known where a difference of as much as 1000 pounds dry weight on a three cutting basis due to finer, leafier plants, could not be detected until the actual weight check was made. The leaves also contain from 70 to 75 per cent of the protein.

Moles, gophers, and other rodents which are active during June and July are doing a great deal of damage in the Willamette valley the county agents report. A little time devoted now to trapping and poisoning them will be well repaid in saving of crop damage.

Cows on excellent pastures in Oregon will frequently show increased production if fed soiling crops, finds the experiment station. One reason for this is that in hot weather the cows will sometimes barely satisfy their ap-

Forage Crops For County Fair

Forage crops to be shown at the County Fair should be gathered now for either farm or community exhibits. Individuals or communities who are planning to get together a general exhibit should begin securing and drying these forage crops now.

These should be tied into small bundles and hung up with heads down in a dark place, so that they will be straight when dry and by keeping them in the dark the color will be preserved.

Vetches and clovers, in addition, should be made into the form in which they are to be exhibited as they cannot be worked over after they are dry without impairing their appearance.

The forage exhibits are an important part of any farm or community exhibit and are often not well represented because they are not gathered in time. Now is the time to do this.

SPECIAL POINTERS FOR PACIFIC COAST FARMERS

If nurse crops of oats and

vetch are left to grow too late the clover stand beneath is seriously injured, finds the Astoria experiment station. It is best to cut the crop by July 10 or 12 even if the oats is not yet at its maximum growth.

This is a good year to free the dairy herd of disease as much as possible. When prices are low the diseased or other poor cows may be weeded out without loss of income.

Elimination of hand work in growing roots is possible if suitable care is taken in planting and then if good tools are used. A new Barker rotary weeder used by the experiment station permits weeding within a half inch of the plants as soon as they are through the ground.

It is possible for coast county dairymen to have green soiling crops or roots to use as succulents every day in the year. It is poor policy to let the cows

drop off in production in late summer and then try and build up the milk flow with expensive winter feed.

Ten pounds of Italian rye grass seed broadcast with oats or vetch or fall sown Austrian field peas will practically eliminate lodging, finds the Astoria experiment station.

Austrian winter field peas will grow on poorer soil than any other legume suited to the coast. They are fine for a soiling crop or silage and make enormous yields of fair hay.

Martin & Forbes

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Portland, Ore., Phone
BEacon 3162



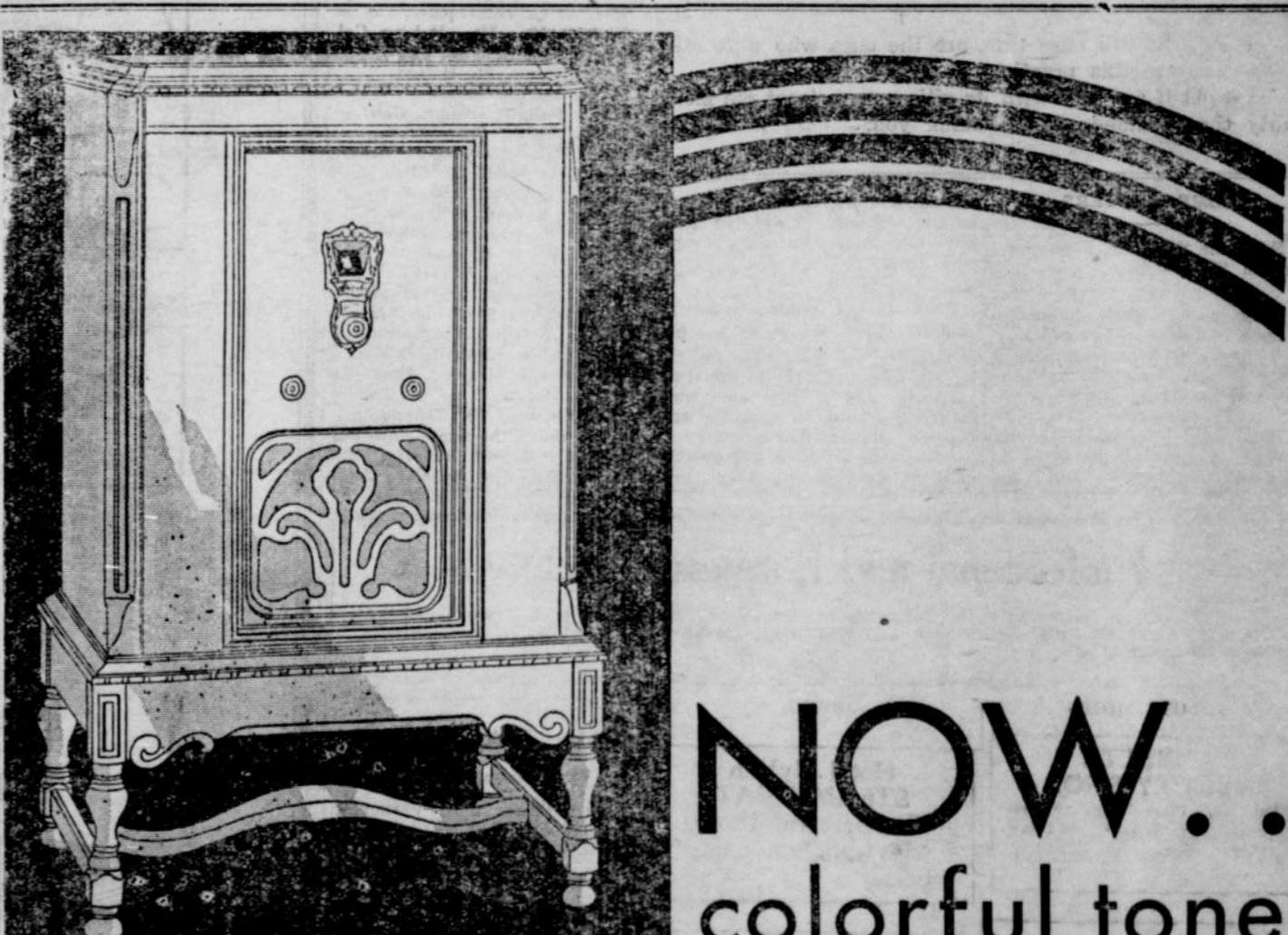
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Bank of Vernonia



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