

One drop of water does not make a waterfall-- One man's effort will not build a community

PATRONIZING OF YOUR COMMUNITY STORES AND INDUSTRIES MAKES PAYROLLS

How great this community may grow, how prosperous and complete it may become, depends upon us--our willingness and our desire to work together-- ONE for ALL and ALL for ONE

GROWING CUCUMBERS FOR PICKLES: A RECENT BULLETIN OF THE COLLEGE

The Possible Average Yields Should Bring Around \$225 an Acre, According to the Author--Picking Is the Chief Item of Expense in the Growing of Cucumbers for the Pickle Market

(Dated March, 1924, the following is a bulletin of the Oregon Agricultural College, the title being, "Growing Cucumbers for Pickles," and the number, Circular 211.)

In view of the fact that a set contract price is paid for the tonnage of pickles delivered, it is important that the grower be able to deliver as high tonnage as possible to the factory. The following suggestions, therefore, are made in reference to important factors which affect the yield of cucumbers in the field.

Soil--Cucumbers will grow on a variety of soils, but the yield will vary according to the characters which each kind of soil possesses. Land that is inclined to be sandy and light is usually deficient in humus or organic matter and dries out more quickly during the dry months, with a resulting short yield. On the other hand, a clay loam soil may become more packed and hard from heavy late spring rains or because of being tramped while picking. It may, for that reason, be somewhat unfavorable. A medium heavy sandy loam or a clay loam with plenty of humus in it are soil types that ordinarily produce the largest yields. Peat and beaver dam soils on account of their being able to hold moisture will produce large quantities of pickles per acre.

Land that has been previously well farmed, or new land entirely, are the types of soil best capable of delivering good yields. Cucumbers are gross feeders and will prove to be a losing proposition on any land that is showing symptoms of being worn out. The moisture holding capacity of soil for cucumbers is one of the factors that determines whether the crop will be short or otherwise during the dry months. Strong growing vines are necessary for big yields and continuous production.

Fitting the Soil--Any soil intended for cucumbers should be plowed early and kept well worked up until planting time. This is necessary in order to kill the weeds, conserve moisture, to keep the soil loose and prevent packing, and to make plant food in the soil, and a fertilizer applied more readily available for the use of the plant. A finer and richer seedbed is also thus obtained. The land should be thoroughly worked down until it is as near as possible similar to an ash pile, so there may be quick germination of the seed and the moisture be held well during the dry months.

Fertilizers--No fertilizer gives better results for cucumbers than well rotted stable manure. If broadcast and plowed under, or if the manure is fine and short it can be utilized to better advantage by being thoroughly disked in. If manure is scarce it will have to be used by applying a fork full to each hill. In some cases, the manure is distributed in a furrow, which is plowed out every five or six feet, but this is ordinarily not so common a method as the broadcasting or the application of manure to each hill.

Commercial fertilizers may often be profitably used, either mixed together by the grower or bought already mixed in the form of the complete fertilizer, averaging 3 to 4 per cent nitrogen, 8 per cent phosphoric acid, and 19 per cent potash. Such a formula would require an application of about 100 pounds of nitrate of soda, 200 pounds of blood meal or dried blood, 300 pounds of superphosphate or bone meal, and 200 to 250 pounds of potash, either muriate or sulphate. Of this mixture 500 or 700 pounds could be used per acre, broadcasted over the cucumber area in late March or early April and lightly harrowed in. If the grower does not desire to home mix these materials he can purchase a complete fertilizer made up of similar simple fertilizers in a somewhat like proportion.

A most successful grower of pickles who has raised a very large yield per acre, manures well and before planting applies 500 pounds of good fertilizer per acre, works it in well, and levels the ground.

Varieties--Chicago pickling is mostly used, also Boston pickling and Snow's perfection. Seed is usually supplied by the company.

About 3 pounds of seed are used per acre. Seeding--There are 2 definite ways of seeding. First, drilling the seed in rows 5 feet apart; and second, planting the seed in hills 3 feet apart in rows placed 5 feet apart. There are several advantages in the drill method. First there is less labor in seeding; second, the plants are better distributed; third, there is chance of a better and more even stand; fourth, more moisture is available for the individual plant during the dry season; fifth, the rows are narrower for cultivation, and again there is more room between the individual plant for hoeing, rather than when they are standing close together in the hills.

Growers use both methods, with a stronger tendency toward the drill method. One grower who has raised a very large amount of pickles per acre sows his seed with a seed drill, using about 3 1/2 pounds per acre, having the ground furrowed out every three and a half feet. After these furrows are worked well with a fine toothed cultivator the seed is sown. As soon as convenient, so that the furrows are cultivated, so that the furrows are filled up, thereby making the cucumber plants deeply rooted. This would be a very desirable method of seeding where there might be a tendency for the soil to dry out considerably during the summer time.

Dusting Plants for Insects--The striped cucumber beetle is active on the young plants soon after they show up well following germination. Experiments in controlling this beetle show that nicotine sulphate dust is effective, especially when put on early in the day while the air is still, or by means of a cheesecloth sack, or a small bellows hand duster. It may be necessary to repeat this dust two or three times, according to weather conditions prevailing. It is especially desirable to put this dust on the young plants soon after they are through the ground. It is not advisable to thin all of the plants in the row at one time.

Another harmful insect is the twelve-spotted bean weevil, which can also be controlled by using the same dust as above mentioned, or there may be an addition to the nicotine sulphate or some arsenate of lead powder, so that the grower would be in a position to use a combined dust, which is on the market ready for application.

Thinning Plants--If the drill method of seeding has been used it is advisable to thin the plants to a distance of about 12 inches apart in the row. If the hill method of seeding has been used there would usually be about 3 plants left to each hill, placed as far apart as possible, so that each plant may have as much moisture as it is possible to get, and also so that the plants can be hoed in between.

Harvesting--Picking is the chief item of expense. Vines must be picked clean in order to prevent formation of large unmarketable cucumbers. The highest price is paid for the smallest cucumbers, so a constant regular picking is necessary. The area can conveniently be divided into two or more parts, one of which is harvested each day.

Yields--These vary according to individual farms and different soils. An analysis of farms producing pickles shows that an average of 10 best growers in a district was 7 tons per acre, the variation being between 5 and 10 tons. Of these yields there is ordinarily about one-third of each grade, with a slightly smaller number of No. 3 grades, and the others when the fields are properly picked. The average of 7 tons would be divided somewhat as follows:

No. 1, 2 and three-quarters tons; No. 2, 2 1/4 tons; No. 3, 2 tons. From such yields as above mentioned there would be an income of about \$225 per acre.

Success in growing pickles may be summarized as follows: 1. Soil well fertilized and thoroughly tilled. 2. Strong vigorously growing vines necessary, made possible by ample fertilization and good moisture holding capacity of the soil.

3. Control of injurious beetles. 4. Clean picking, to prevent

formation of large cucumbers. Publications dealing with the Control of Garden Insects: Extension Bulletin 325, Insects Affecting Garden and Truck Crops; U. S. D. A. Farmers' Bulletin 1282, The Use of Nicotine Dusts in Control of Garden Insects. Publications relative to vegetable gardening in general: The Market Growers Journal, Louisville, Kentucky; National Vegetable Growers Paper.

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Barker & Co., 444 S. Com'l. Don't fail to see Parker about repairing your car. Expert mechanics at your service. All work guaranteed.

PRIZE CABBAGE GROWS IN LINCOLN

County Agricultural Agent Beck Tells Reasons Why This Is So

A great big cabbage head, fifteen, twenty or more inches across up to recent years has occupied the centers of interest at many fairs, along side of the biggest pumpkin, the largest cucumber, or what not. It used to be that size counted for a great deal when considering the value of a head of cabbage; but both producers and consumers are uniting in their preference for the small, hard, heavy head of cabbage, particularly for the family trade. Growers of cabbage in Lincoln county have realized this fact, and for two years have carried off both the blue and red ribbons, denoting first and second prizes, for the best exhibits of cabbage at the state fair. These cabbages have been grown on the farms of Claus Christianson and Gabriel Dahl, just outside of the town of Toledo.

What these men have done is being done to a greater or less extent on much of the bottom land along the creeks and on the tide lands of the county. Danish Ballhead is the approved variety for late cabbage, and the yields are heavy; with quality, as indicated above, of the highest degree. The humble cabbage is used by the head in nearly every kitchen of the country--consequently the demand is heavy. But as the crop is generally grown in home gardens and elsewhere, the poundage price is not ordinarily high. However, quality receives a steady demand, and as a result local growers are able to dispose of their crops profitably. Cabbages grow in this high degree of excellence in this county because of the high fertility of the soil and the large amount of moisture that seeps into these soils from the adjacent hills, in conjunction with either warm or cool days throughout the summer. Also because of the mild seasons, cabbage is held over well into the winter months, and affords excellent roughage for the human diet.

Cabbage is just one of the many vegetable or garden crops that is grown to perfection in this county. J. R. BECK, County Agricultural Agent, Toledo, Or., June 26, 1926.

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TRACTOR SPROCKETS
Trucks etc., built up good as new for less than half price. General welding of all kinds Steel, cast, iron, aluminum etc. An Oppen Weld Has Always Held

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PILES AND PILES OF PICKLES ARE PUT UP BY SALEM PLANT

A Small Mountain of New Barrels Are Already Here to Receive the Cucumbers for the Dill Pickles--The Growing of Dill is a Side Line to the Industry of Cucumber Growing

If you should happen out at the huge building opposite the Southern Pacific passenger depot in Salem, that was the largest hop warehouse in this country, and is now the bean and pumpkin cannery and salting station and pickle factory of the Oregon Packing company, which is a member of the far-flung cannery and packing family of the Del Monte brand people, reaching around the world, you would probably wonder what use there could be for the small mountain of new barrels being collected there--barrels coming in car lots, the advance consignment of which began to arrive some weeks ago. These barrels will hold around 225 to 300 pounds of dill pickles each.

There will be some 2500 of these barrels on hand when the cucumber picking season commences, in about ten days. Then there will be about 1600 more barrels for salt cured pickles to be sent to the San Jose, Cal., plant, to be finished for the market, according to the demands thereof, with some of them passed on to the San Francisco processing and preserving plant of this great concern.

Then, if you have an inquiring mind, like a newspaper reporter is supposed to and ought to have, you would find great vats of salted cucumbers, each vat holding perhaps a couple or three car loads--long rows of these vats. These vats of salted cucumbers are in the nature of a reservoir of cucumbers, to be drawn upon the whole year through, as the market demands. They are about half empty now, from last year's picking. But they are going out in car lots all the time. A car was ready to go a few days ago, when the slogan man was there. They will all be empty, likely, by the time the coming cucumber crop is all gathered. Emptied ready for the new crop.

Need Constant Attention These great vats of salted cucumbers need constant attention. They must be watched to keep them just right. In this way they may be safely kept over for several years; almost indefinitely. Two men are on guard the year through at that big warehouse; one of them an expert. Just now, the whole big institution is being gone over, including the boiler house, in order to have buildings, machinery and appliances all ready for the receipt of the cucumbers, to begin coming in about 10 days, and for the string beans that will start coming about July 20, and for the pumpkins, to begin coming at a later date.

This cannery and pickle factory is separate and apart from the big fruit tannery of the Oregon Packing company, a couple of blocks north, on Twelfth street. The Oregon Packing company

Commissioners' Court (Continued from page 10.)
Shepherd, A. J., moving 6.40
Shipper, Floyd, operating 26.25
Whitlock, Leon, on fresco, etc. 25.50
Market Road No. 28
Hoffman, Fred, cutting brush, etc. 3.20
Kimberlin, Smith, ditching 1.60
McNamee, H. H., do. 1.60
Kimsey, J. E., foreman... 2.00

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VIBBERT & TODD
Ferry & High Sts.
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MOTOR SERVICE

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High Street at Trade

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managers are evidently satisfied with this part of their packing operations, for they have contracted for a greatly increased acreage for this year, of cucumbers, beans and pumpkins. It is said their operations in these branches of their business here will be double the size of last year's. Besides the cucumbers, they contract with certain of our farmers for the growing of dill, for the making of dill pickles; and this has become quite a side line.

The prices of cucumbers go according to size. The little cucumbers bring \$60 a ton. They are called No. 1. The next size, No. 2, bring \$40 a ton; No. 3, \$15, and No. 4, \$10. The No. 2 and 3 go into dill pickles. The No. 4 are the over sized cucumbers and the badly shaped ones. The No. 1 cucumbers, that bring \$60 a ton, are the babies of the family, and they go into fancy stock for the high grade trade.

Have Other Plants The Oregon Packing company is the only concern now operating in pickles in this section. But they cover the Salem district very completely. They have salting stations at both Woodburn and Albany, where the cucumbers grown on contract in those districts are received and put in brine, to be shipped to their pickling plants here and elsewhere.

C. A. Luthy, Reliable jewelry store. What you are looking for in jewelry. Where a child can buy as safely as a man or woman. Repairing in all lines. (*)

Telephone 155 Capital City Laundry. The laundry of pure materials. We give special attention to all home laundry work. Telephone and we will call. (*)

COMMISSIONERS' COURT
(Continued from page 10.)

Market Road No. 34
Deldrich, Peter, acc. 2.00
Rigdon Bros., gravel 147.00
Sydney, A. C., foreman 9.00
Stayton Cement Stone Works, tile 3.05
Clymer, Geo., work on grade 119.25
Hogan, William, do. 32.00
Kintz, Andy, do. 119.25
Lampman, Harry, do. 63.60
Mix, Arthur, do. 63.60
Ondenthal, George, do. 32.00
Park, L. L., do. 119.25
Riggs, W. A., do. 74.53
Sacre, Lyle, do. 32.00
Simpson, Frank, do. 63.60
Steward, Calvin, do. 48.00
Steward, C. W., do. 90.00
Young, L. A., do. 16.00
Zuber, John, work on grade 60.40

Market Road No. 34
Brunner, Alvis, shoveling dirt, etc. 17.20
Muller, Fred, grading... 6.00
Kuenzi, H. M. foreman... 28.80

Market Road No. 34
Hinze, A. B., nails, etc. 9.14
Cameron Lumber Co., lumber buildings, moving 70.50
Fisher, Erle L., do. 78.50
Michael, Tony, do. 82.50
Robl, Greg A., do. 88.00
Smith, Oren, do. 74.50
Fischer, Phillip, foreman 210.50
Barber, Royal, work on new road 28.80
Chapman, H. T., do. 54.00
Davidson, Glen, do. 28.80
DeFler, Joe, do. 42.00
George, Walt, do. 54.00
Houghton, Weston, do. 54.00
Johnson, Homer, building fences 12.00
Olson, George, grubbing 3.00
Russell, W. B., putting scrapers together 1.60
Stephens, Wes., getting fresnos 5.00
Wilson, A., work on new road 28.80
Winn, Thomas, do. 51.00
Russell, S. H., foreman 54.00

Market Road No. 41
Cook, Jay, on fresco, etc. 66.60
Curtis, James, filling fresco 3.20
Hennies, A. H., dumping fresco, etc. 35.20
Hennies, L. E., foreman 68.00
McKay, G. A., on fresco 15.00
Robertson, B. E., pulling fresco 45.00
Russell, Kenneth, cutting brush, etc. 16.00
Schampler, Frank, holding plow, etc. 48.00
Schirman Geo. filling fresnos 52.80
Schirman, Sam, on fresco, etc. 102.00
Westenhouse, W. W., foreman 45.00

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Market Road No. 34
Gilles, Chas., dragging road 3.00
Market Road No. 37
Mallow, H. W., work on grader 3.00
Dart, J. W. foreman 3.40

Market Road No. 56
Howe, I. N., hauling gravel 151.20
Murphy-Gardner Lumber Co., Lumber 551.68
Becker, C. L., on fresco 99.00
Branson, Troy, work on grade 3.20
Clark, E. G., on wheeler 81.00
Coburn, J. M., on wheeler 117.00
Davis, T. J., work on grade 72.80
Deppen, L. A., do. 24.80
Garner, Orel, on fresco 99.00
Lichte, L. H., work on grade, etc. 78.80
Longmire, Geo. do. 80.00
Meier, W. J., on wheeler 126.00
Mitchell, C. C., work on grade 44.80
Munn, Chris., on wheeler 78.00
Tade, Henry, work on grade, etc. 96.00
White, F. J., do. 100.00
Woodridge, W. C. do. 83.20
McIlwain, Wm., foreman 165.00

Market Road No. 58
Hubbard Lumber Co., lumber 1.40
Scholl, H. F., repair dump wagon 9.85
Scholl, J. & Son, shovels, etc. 100.00
Spaulding, Chas. K. Log ging Co., lumber 33.95
Syron & Van Arman, do. 78.90
Cooper, Elmer, work with dump wagon 6.00
Dunn, Thomas, clearing off 17.00
Engelhart, Astor, work on bridge, etc. 50.40
Guthrie, Tom., work on bridge, etc. 27.60
Hochstetler, Irvin, clearing off 52.40
Jackson, Jerome, work with dump wagon 48.75
Palmer, Earl, do. 37.50
Wolfer, Hugh, do. 40.50
Zeck, George, work on grade, etc. 50.40
Zurliaden, R. K., tripper on excavator 40.00
Miscellaneous Market Roads
Swart, H. S., deputy road-master 183.50
Miscellaneous Account
Adams Hardware Co., bolts, etc. 24.41
Ames Hardware Co., tire.

Market Road No. 58
Palmer, Earl, do. 37.50
Wolfer, Hugh, do. 40.50
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Longmire, Geo. do. 80.00
Meier, W. J., on wheeler 126.00
Mitchell, C. C., work on grade 44.80
Munn, Chris., on wheeler 78.00
Tade, Henry, work on grade, etc. 96.00
White, F. J., do. 100.00
Woodridge, W. C. do. 83.20
McIlwain, Wm., foreman 165.00

Market Road No. 58
Hubbard Lumber Co., lumber 1.40
Scholl, H. F., repair dump wagon 9.85
Scholl, J. & Son, shovels, etc. 100.00
Spaulding, Chas. K. Log ging Co., lumber 33.95
Syron & Van Arman, do. 78.90
Cooper, Elmer, work with dump wagon 6.00
Dunn, Thomas, clearing off 17.00
Engelhart, Astor, work on bridge, etc. 50.40
Guthrie, Tom., work on bridge, etc. 27.60
Hochstetler, Irvin, clearing off 52.40
Jackson, Jerome, work with dump wagon 48.75
Palmer, Earl, do. 37.50
Wolfer, Hugh, do. 40.50
Zeck, George, work on grade, etc. 50.40
Zurliaden, R. K., tripper on excavator 40.00
Miscellaneous Market Roads
Swart, H. S., deputy road-master 183.50
Miscellaneous Account
Adams Hardware Co., bolts, etc. 24.41
Ames Hardware Co., tire.

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