Growing Good Potatoes in the Pacific Northwest

Some Ideas on the Homely "Spud" by Men Who Know Whereof They Write.



Capital Photograph of the Best Type of Baking Potato, Raised Near Kennewick, Washington. Note the Even Size Common to all These Potatoes,

growing.

BY O. M. MOREIS, Horticulturist; J. G. HALL, Plant Pathologist, and M. A. YOTHERS, Asst. Entomologist.

...

HE size of the seed piece of potato

produced. This fact is founded on the as soon as the roots of the plants begin fundamental principle that the large to extend out into the space between seed piece or whole potato produces the rows the cultivation must be more larger and stronger vines than the extremely small potato or small piece of to the plants. Cutting the roots of potato. Another point that some time the plants by the last tillage will greatly has its influence is the fact that the reduce the possibilities of the crep, cyes located nearest the bud end of The tillage should be continued the potato usually sprout earliest and long as possible without direct harm to are more active in their early develop the plants. Frequent shallow tillage ment of plants than the eyes located will maintain the best supply of moisnearer the stem end. In planting whole ture and help to produce a crop of potatoes, it is commonly observed that only one or two eyes at the bud end produce sprouts, except in the case of extremely large tubers, and that it does not tend to produce too many plants in a hill, as is sometimes thought.

Colorado Experiment Station found by actual trial that seed pieces of tato crop is more frequently planted on potato or whole potatoes weighing less than two ounces produced smaller and weaker plants and a lighter crop than seed pieces or whole potatoes weighing two ounces or more; that when the piece of seed potato weighed far in excesses of two ounces there was very little gained in vigor of plants or crop produced. Considering the value of the seed, a two-ounce piece or whole potato gave approximately the maximum returns for the money invested in seed. This has, been found true in field crop work and to be easily followed, shallow tillage is now generally accepted by many should be continued. The soil should be growers in different sections of the gradually thrown in a ridge over the country. Some prefer to plant the entire tuber and never use gut seed. There duces the covering necessary for the appears to be some foundation for faith protection of the potatoes. Deep tillage in this system. However, it does not prove to be equally well founded in dif. it is, for that reason, always a good ferent localities. In localities where the practice to ridge the land early. soil condition is such that the seed po tato decays rapidly the whole potato is better for planting, but in cases irrigated sections can often be mulched where the pieces of seed potato do not with straw or marsh hay with good redecay rapidly, the advantage is not so sults.

apparent.

level. · produce the tubers very close to the may extend above thesurface. tilage is to keep down weeds and conserve soil moisture.

If a crop of clover or some other vegeplanted seems to have a direct in- tation has been turned under it may be fluence over the crop of potatoes found advisable to till deep early, but shallow or serious harm will be done

The tillage should be continued as smooth, even potatoes

In Irrigated Sections.

In irrigated sections a little different system of tillage is necessary. The systems suited to localities differ more than in non-irrigated regions. The peland than has had a clover or alfalfa sod turned under. In this case it is usually necessary to cultivate very deep as soon as the planting is done. The harrow can be used to great-advantage to keep down weeds and to drag to the surface and break up any sods that may be lifted by the cultivator. The first cultivation is often given immediately after planting and the land should then be harrowed thoroughly and as soon as the plants are tall enough for the rows row. This facilities irrigation and prois-sure to be injurious to the plants and

Mulching.

Small fields or garden patches in non-

The mulch should be applied just be-

earth. Breaking the skin, cutting or ground. This is the first of a series () This ridge of soil will protect the bruising the potato in any way reduces. The potatoes should not be allowed to of articles discussing potato () potatoes from sunburn. Some varieties its market value and storage quality. Iie on the surface of the soil for more Careful work will reduce this loss to than a few hours. Those that are dug ♦ surface, or so near the surface that less than one per cent; and there is in late summer or early fall should be The of harvesting that reduce it above five and hauled to sheds or warehouses.

15

principle thing to be accomplished by per cent. The pickers should follow close Bright sunshine will cause them to after the diggers and it usually pays turn green and sunburn, which injures to have the sorting done as the pick- their market value.

MAKE YOUR MONEY ARN MORE MONEY

The opportunity of the year, and of the splendid era that is opening in Seattle's prosperity! Become associated with a strong organization, made up of leading business men in whom the public have the fullest confidence, and operating along lines marvelously successful in other states, but never developed before to their fullest possibilities in the Northwest.

PACIFIC HOME BUILDERS

OFFICERS.

President H. C. SHUEY Vice-President F. C. FURTH W. S. BELL - - See'y and Treas.

DIRECTORS.

H. O. SHUEY Pres., H. O. Shuey & Co. FRED C. FURTH ger, Vulcan Iron Manager, Works W. S. BELL Sec'y, Equitable Building & Loan Association A. E. KNOFF Sales Agent, American Steel & Wire Co. E. W. CAMPBELL Cashier, National City Bank, Seattle F. A. ERNST Pres., Ernst Hdw. & Plumbing Co. H. R. CLISE, Attorney and Capitalist

ADVISORY BOARD

will build houses and bungalows on a wholesale scale to meet the aiready great needs of the expanding city, and provide the public with securities of unquestioned value and most gratifying earning power. Similar concerns in some of the Southern States are not only proving marvelous revenue producers to their shareholders, but are accomplishing wonders for their home cities in building up community, adding new and highly improved districts, and in making it possible for vast num-bers of thrifty home-loving people to own their own dwellings on the easy payment plan, amidst con-genial neighbors and in localities that are constantly increasing in value.

The "Pacific Home Builders" is no exportment, nor does it is no exportment, nor does it is poculate in any way with the money of its shareholders, turn-ing its money rapidly, and will be to four profits a year on its build-ing, and the building operations, being on a large scale, enable say-ings that are starting when com-pared with the cost to individuale. Always in such a company care-ful management is one of the greatest assurances of success, and his factor may be emphasized with vigor in the "Pacific Home Build-ers." Let us have an opportun-ity to go into details with you on this point. But to almost every one in Seattle and the Northwest the list of officers and directors of the company will be ample assur-ape. ance

Medium Potatoes Best. fore the potato sprouts appear above In cutting potatoes for seed, the ground. Four to eight inches of loose medium sized ones are ordinarily to be material may be used.

preferred. Split the potato lengthwise The plants will grow up through this and if further cutting is desired, cut without trouble, and a good mulch will crosswise, but do not cut to a single conserve more moisture than any ordieye, unless potato seed is very searce, nary system of tillage. This practice or the tubers used are extremely large, should be resorted to only in sections Mechanical cutters are seldom satiswhere the moisture supply is difficult factory, because they do not discrimi- to maintain.

nate or select sizes. Neither do they The mulch material should be free avoid cutting directly through the eyes from seed or another crop will be planted and result in more harm than good. of the potato.

The thickness of planting varies ac. Mulching requires a good deal of time cording to locality and fertility of the and material and is not practical in soil. The general distance between large fields. rows is from 36 to 40 inches and the dis-

Harvesting.

In large fields the machine diggers tance between plants or hills in the row varies from 12 to 18 inches. Early should be used in harvesting the erop. potatoes of small size can be planted It is cheaper than hand digging or more thickly than the large late growing plowing out with an ordinary turning plow. Hand digging is especially ex varieties. pensive, and careless diggers cut and

Cultivation.

In the non-irrigated sections, clean, injure a great many potatoes. shallow, level tillage should be given Plowing out the crop is wasteful, as a until the new potatoes begin to form, large per een tof the crop is left in the but from this time until the cultivation ground.

is discontinued a slight ridge should be The crop should be dug, if possible, thrown over the row . The land be while the soil is drying in order to se-

ALVIN H. HANKINS Manufacturing Jeweler GEORGE BOUCKAERT Wholesale and Retail Confectioner D.R. M. A. MATTHEWS Pastor First Presbyterian Church GEORGE F. VANDERVEER Vanderveer & Cummings, Attorneys W. F. PAULL, Pres., West Scattle State Bank, Seattle H. A. KIMBALL Ass't. Gen'l Freight Agt., G. N. Ry., Seattle C. H. BUSCHMANN & Mgr., Northwestern Fisheries Co. F. J. FLEISCHNER Cashier First State Bank, Prescott, Wn. MARCUS ZUGEE Pres., Exchange Bank, Waitsburg, Wa.

Fully paid shares in the Pacific Home Builders are offered at \$12.50 each, either for cash or on very easy terms.

Franklin Shuey & Co. FISCAL AGENTS Mail and Mail Brand 562-564 Empire Bldg. * Bolle Phone Main 2078 SEATTLE