Milo Maize, New Crop for Semi-Arid Lands; Extracts from U. S. Government Bulletin

as a Dry Land Grain Crop," com- Nebraska and South Dakota. suggested for such trials. piled by Carlton R. Ball, has been Because of its earlier maturity, Where the plate on the The railroad company is underissued by the U. S. department milo can be planted later than planter can be set to run at dif- stood to be behind the move. of agriculture, from which the the varieties of kaffir wherever ferent rates to the acre the following extracts are taken:

successful summer grain crop spring frost is past and the soil testing the planter on a floor, or it will not be necessary to sink for the southern half of the has become warm. Plains region. It is an earlier and more drought-resistant crop bushels less to the acre.

vation of about 4,500.

on rather noor lands: better sand or mud, . i Ida in good sails, In the semi-

The growth of Milo maize is from about April 13 in southern known, each farmer should test they are safe crops. Milo should proper speed to use for each de-Milo is at present the most not be sown until all danger of sired rate can be ascertained by strike water it is believed that

Methods of Planting

than corn and makes a satisfac- surface planted, as the experi- readily observed and the proper of a grain warehouse during the tory feeding substitute. The ence in any particular locality distance secured. Where the summer is being talked of. It is highest average yields of corn has shown to be the best for speed of the plate cannot be said that unless the farmers deunder the same conditions have crops of this class. Listing is a changed, several plates with sire to build their own warehouse been ten bushels to the acre less common practice in much of the different numbers of holes will that the Balfour Guthrie comthan those of milo. The yields Hlains region where milo is now, be necessary to secure different pany will build one. Paxton of blackhuli kafir have been five or is likely to become, a staple rates of planting. Each hole will be a heavy wheat shipping

Milo is now a staple crop in a secured from listing. The young two small seeds at once, but not that neighborhood do not exlarge part of western Texas and plants are protected from the two medium-sized or large ones. pect for any city to spring up in the adjacent portions of New strong winds of spring and from The holes should be countersunk there. They hope to get a post Mexico, Colorado, Kansas, and the cutting aceion of sand carried well on the under side of the office and a good warehouse. Oklahoma. This section lies at by such winds, which sometimes plate. The number of holes reelevations of 1,500 to 4,000 feet cuts the stems of the surface quired in the plates in order to above sea level and has a vary- grown crops entirely off. The drop seeds 3, or 6, or 8 inches ing annual rainfall of 17 to 25 root system of listed crops are apart, respectively can be readily inches. Milo is well adapted to also said to lie deeper, because figured out for each kind of the whole southern half of the of the deeper sowing, but this planter, the holes then drilled by plains region lying below an ele- fact is doubtful, owing to the the farmer or a blacksmith, and the later growth of surface roots. the results tested as described On the other hand, listing tends above.

The soil requirements for milo to make the crop ripen later beare about the same as those for cause the young plants at the duces small stalks and small erect corn. Well-worked sandly loams bottom of the furrow grow more heads, but many more heads on or clay are best. Light sands slowly than those planted at the an acre. Thin seeding makes and heavy clays are much less surface. In wet season the lister larger stalks and larger heads, desirable. The roots penetrate to furrow fills with water and the but fewer of them. Thin sowing depths of 3 to 4 feet in ordinary young plants may be either also produces a larger number of friable soils. Fair yields result washed out or covered up with the objectionable pendent heads.

arid country much depends, how- large part of the milo country the farm will be as feeding ever, on the way the soil is and will increase in importance grain, similiar to corn. Chemihandled to conserve moisture. as a method of sowing even in cal analyses show that the seeds Early and deep plowing to catch sections where listing is now of corn and milo are nearly idenand hold the rainfall when it generally practiced, since better tical in composition. Whether ranch north of town Friday and comes, with surface cultivation methods of conserving soil mois- their feeding values are as nearly says that he has 400 acres in

attracting the attention of pro- Texas and the lower Southwest for himself two or three differgressive farmers in the semi- to about May 25 on the higher ent rates of seeding. Four arid districts at present. A plains of northwest Texas, and pounds, six pounds and eight a station to be known as Paxton, bulletin, No. 322, entitled "Milo to about June 1 to 15 in pounds of seed to the acre are about eight miles north of Mad-

Milo may be either listed or are dropped can then be very structed there and the building crop. Certain advantages are should be large enough to drop point. The farmers living in

In general, thick sowing pro-Feeding on The Farm

Surface sowing is the rule in a The principal use of milo on

creasing quantities are being used in poultry foods and in **HOW TO KILL** chops. Some is sold on local markets for seed or for feeding purposes, but most of it is fed on the farms where grown. ...

Well at Paxton

Arrangements are being made for the drilling of a deep well at ras on the Deschutes railroad.

Judging from the depths re quired in neighboring wells to a smooth hard piece of ground. more than 150 feet. A wheat The distance at which the seed platform has already been con-

Workers Welcome "Y" Cars

J. W. Flitchwir, who is in charge of the Railway Y. M. C. A. car which is visiting the age, as Paris green sometime camps along the Deschutes rail- does. For ordinary use two way, was in town last Friday. He states that the car is gladly gallons of water is effective. At welcomed by the men, providing times it is necessary to use five as it does a library and reading pounds of arsenate of lead to room, and all the attractions fifty gallons of water as some inpossible to be carried in such a sects do not readily succumb to a manner. The headquarters for small amount of poison. "The dry the management of all the rail- sprays are applied in a powdered way Y. M. C. A. work has been form, and there are number of recently located in Portland, in these on the market, including order to be in closer reach of the several brands of powdered arwork where it is being most ex- senate of lead. Paris green and

Grain Doing Fine

Fred Fisher was in from his



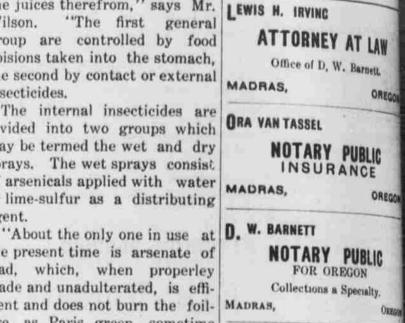
pests of the vegetable and flower garden are described in a new bulletin which is in preparation for publication by W. F. Wilson assistant entomologist at the Oregon Agricultural College.

"Destructive insects secure their food either by eating portions of the plants, or by sucking the juices therefrom," says Mr. Wilson, "The first general group are controlled by food poisions taken into the stomach, the second by contact or external insecticides.

The internal insecticides are divided into two groups which may be termed the wet and dry sprays. The wet sprays consist of arsenicals applied with water or lime-sulfur as a distributing agent.

the present time is arsenate of lead, which, when properley made and unadulterated, is efficient and does not burn the foilpounds of arsenate of lead to 50 tensively done at the present. arsenate of lead, when pure, are

as efficient as any, although at HOWARD W. TURNER the present time Paris green is more in use than the other. Paris green applied to plants in an unadulterated condition may



ORDAN

D. L. Wylde

CROOK COUNTY ABSTACT CO

Complete tract index to all

made accurately on short no

town lots in Crook county. Alat

W. P. MYERS

John T. Ross

PRINEVILLE,

LAWYER

CULVER JUNCTION, OREGON Practice in all courts and Department of the Interior.

O. C. COLLVER

NOTARY PUBLIC Justice of the Peace CULVER PRECINCT

OREGON

CULVER

U. S. COMMISSIONER NOTARY PUBLIC INSURANCE

to keep down weeds and prevent ture is understood. evaporation, are the two principal lines of treatment possible.

Preparing The Seed Bed

spring plowing where it can be or lister planter. done, because it increases the water-absorbing power of the yield of the crop.

cultivated.

Planting the Seed

planting, especially those con- under Panhandle conditions, cerning the rate and the manner in other practices.

Time of Planting

Fall plowing is preferable to ghum plates used in corn planter kaffir varieties prove them to be also has about 60 acres in oats

Rate of Planting

soil. Deep plowing is better grain from 4 to 6 pounds of seed the kaffirs as a feeding grain. than shallow plowing for the to the acre is sufficient if the Unlike kaffirs milo has a benesame reason and because it en- seed is of good quality. Milo is ficial laxitive effect on the courages deeper rooting. Har- usually sown in rows 3 1-2 feet bowels. rowing should be through before apart; sometimes only 3 feet sowing to mellow the soil for apart. The quantity of seed used fed as a threshed grain. To prethe seed bed and to destroy any will vary somewhat with differweeds that may be started. In- ences in soil and climate. Secc.eased labor in preparing a tions with rich soil and more field before sowing is almost al- abundant moisture can sow milo Where hogs follow cattle, the ways well repaid by an increased more thickly in the row than sec- waste in feeding whole grain is

On sandy soils or other soils lighter rainfall. Several years' on the cracked than on the whole which blow about in windy tests on the experimental farm grain. The grain, like corn, weather, fall disking and medium of the Office of Grain investideep spring plowing may be re- gators, at Amerillo, in the north- with some other feed containing quired when the lister is used, ern part of the Texas Panhandle, more protien, such as alfalfa, Sisking in the fall or carly spring show that one plant to the cotton seed, or cowpea hay. is advised or double listing may every six inches of row gives be practiced. Milo usually makes the highest grain yields under a fair crop on fresh sod and in the average conditions obtained the semiarid regions is thought there. The soil on this farm is a be ground and fed, or they may to be the best crop for spring good clay loam, the elevation is be threshed and the grain fed. broken sod land. The seed is about 3,600 feet above sea level, The whole heads are readily dropped in every third or fourth and the average annual rainfall furrow while breaking and cover- about 22 inches. Four pounds of through threshing first and then ed by the next sod turned or is seed to the acre produce under planted with a shoe drill. The these field conditions plants avercrop thus sown cannot usually be aging 6 to 8 inches apart-the desired stand. Thicker stands

than this have generally been

It should be remembered that recommended for grain prothe following directions for duction but are not desirable These figures are suggestive of sowing, are for growing milo rather than final. A series of as a grain crop. Those who are experiments covering three or familiar with handling this and four different rates of seeding bare and woody. When feeding other sorghums as forage crops must be carried on for several should note the difference requir- years at different points in the taken that no more is placed in ed in the rate of seeding and milo belt before the question of the feed racks than is eaten that how much to sow to the acre can day. Stock will not thrive where

The time to plant varies, of may prove to be different for course, with the latitude and each different set of conditions altitude. In general, milo should of soil, moisture, and length of and other sicknesses have been be shown about two to four growing season. It will also be weeks later than the average dependent to a considerable exdate for planting corn. The tent on the cultivation given. average date will therefore vary Until these facts are more fully for milo grain. Apparently, in- m18-j8-pd

equal is not certainly known. wheat that is looking fine and

for feeding purposes. Milo is growth. For the highest yields of equal to or somewhat better than

More and more milo is being vent waste by imperfect digestion, it is best to crack or grind the milo before feeding. tions having thin sandy soils and reduced, but cattle will do better gives the best results when fed

Where milo is headed in the field or from the stock, the heads may be fed whole, or they may ground in any large feed 'mill, grinding the seed is said to require no more power.

A considerable amount of milo is fed in the bundle especially in localities where little grain is grown and separators are not common. This is a fairly satisfactory way of handling the crop, provided the stand is fairly thick and it is cut as soon as ripe, before the stalks become milo in the bundle care should be be fully settled. The best rate their ration becomes moldy or much mussed over in the racks. Many cases of "blind staggers'

Selling The Grain

Whether listed or surface sown No accurate experiments have dandy. The heavy rains of last the most common way of sowing been made to determine this fact. week have worked wonders with milo is by means of special sor- Experiments made with grain of the growing grains. Mr. Fisher a little less valuable than corn that is making a splendid

ITEMS OF INTEREST

YOUNG COW for sale, good milker. C. K. Loucks, Madras, Oregon. m25-j1-pd

WANTED-To buy several young them when they are wet with breeding sows. Address Frank H. dew. Pratt, Madras, Oregon. m11-25 pd

FOR SALE-At the Pioneer Office, Legal Blanks of all kinds; Carbon and Typewriter paper, Installment Sale contracts, Notes and Receipts. FOR SALE-6 good work horses; 4 sets double harness; 2 good wegons. Iuquire at Pioneer office. FOR SALE-Horses, harness and wagons. Terms reasonable. C. F. Bye Madras, Oregon. m16 FARM LOANS !! Madras State Bank.

MONEY TO LOAN ON FARMS, See Mudras State Bank.

HAVING-lately settled in Oregon would like to hear from owners of farms, dry or intigated: grazing or timber lands. Want something that will turn into money within the next three or four years. Only replies from owners considered. Address B, care of Madras Pioneer.

Town residence lots for sale in the north end of Madras. For terms please write A. Eagles, Centralia, Wash.

SAPHIR-Imported Belgian Stallion will make the season of 1611, commencing April 1, at the following places: W. C. Moore's ranch Mondays and Tuesdays, Madras. Wednesdays and Saturdays,, Metolius, Thursdays and Fridays. Farmers Union Unras Co. J. A. Coulter, Secretary. m 16

HORSES LOST-Dark brown mare, harness marked, and black three-year already plans are being made for the old gelding, both branded with pipe brand, strayed from Bob O'Donnell directly traced to feeding such ranch on Deschutes near mouth of are building in from the south and Trout creek, six weeks ago Reward judging from the easy grade which is of \$20 offered for the return of the in evidence a large portion of the way,

seriously burn the foilage. To MADRAS obviate this difficulty it should be mixed with 20 or 25 pounds of air-slaked lime, fine road dust or wheat flour for every pound of the Paris green. This may be applied with a dust gun or sifted on with a gunny sack. Hellebore in a powdered form and fresh is valuable to poison such insects as injure small fruits or vegetables which are nearly ready for market and thus are too far advanced for poision to be desirable. It should be dusted over

New Paper at LaPine

The first issue of the La Pine Inter Mountain, a neat five column folio, published by E. N. Hurd, has been received and is a welcome addition to our exchange list. From the first issue we glean the following:

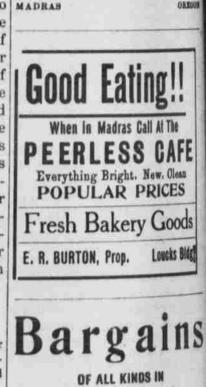
The land in and around LaPine is of the finest tillable soil, of great depth, free from stone, very level and water of the purest and clearest can be had at a depth of from ten to twenty feet which means much to the farmer and homesteader.

Much credit is due to the promoters of LaPine for their far-sightedness as to location. Situated in the center of the beautiful southern Deschutes valley, thirty-three miles south of Bend and one hundred mi'es north of Klamath Falls, in the heart of what promises to be one of the most fertile irrigated tracts in Central Oregon, where there is an abundance of wood, and which covers an area of forty-five square miles of valley, surrounded on the north, east and south by the Paulina and Walker mountains and west by the Cascades, with their beautiful snow caps, which can be seen from most any point in the townsite as well as from all parts of the entire basin.

At present LaPine is about eighty miles from the railroad which is pushing through Central Oregon.

Word was received here from a reliable source in Portland, last week, to the effect that the contract had been awarded for the completion of the Hill road from Bend to Medford at once, and that

work by those in charge. There is now a growing market horses to J. H. Stuart, Youngs, Oregon. will reach LaPine as soon as the one from the north.



FARM PROPETY, HOMESTEAD

RELINQUISHMENTS, and GOVERS. MENT LDND Opened to Entry-18and 820-Acre Tracts; Close to RAILROAD RIGHT-OF-WAY ALL IN Crook County, Oregon. Call on or will BRUCE HOOD, MADRAS REAL ESTATE and HOMESTEADS Balfour Guthrie Co. GRAIN Bought at all points We have on hand at all time Calcutta grain bags and Crown brand twine. Give us a call fo anything in our line. Office in Madras, Orego

MADRAS

ll Drilling C

ARTESIAN AND SURFACE WELLS

DEPTH GUARANTEED

ESTIMATES FURNISHED

MADRAS, OREGON

INQUIRE AT PIONEE OFFICE