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one-quarter acre with common alfalfa. This also was sickly the first year, but since is doing extra well, yielding three crops each season. This plot I feed green to the herd bull and bull badly thinned last winter, as there was little or winter wheat would not ripen. no snow.

there should be no trouble with alfalfa.

K. McIver.

Alfalfa, Five Tons per Acre

EDITOR FARMER'S ADVOCATE:

at the rate of five tons per acre.

been in oats the year before the alfalfa was vantage in favor of earlier maturity. seeded. I gave it a dressing of barnyard manure My advice would be wait and see what the bed. The seed was sown by hand and harrowed take action. As an experiment I seeded a strip without in- may be oats, barley, other.

Soil may be obtained from the first patch for year. as they eat the crown down too closely.

ideal for chickens in winter.

E. WALTON.

Handling Winter Wheat

Editor Farmer's Advocate:

from five to seven head in feed until about the when spring comes has a chance to make a crop, minimum. end of August. Three years ago I sowed one but will be later than if it had started last fall. and one-half acres in an open field to alfalfa, that If the season is favorable this field may make was used previously as a hog pasture for a few as good crop as spring wheat, but it is sure to years, then plowed up and seeded to rape and be a little later than the spring variety. Your turnips. The soil in this field is ordinary black enquirer does not say what kind of wheat he

ly after the extra dry fall, I will have no hesita- early spring both crops would come on together crop had ripened before the fall frosts came. able crop I can raise than alfalfa. It is, as far it will be pretty sure to start as soon as the for the growing of certain varieties of corn. slim chance to get a crop with the amount of maize. rainfall that usually comes in that district.

I should be afraid to sow any other crop on this land with that winter wheat seed lying I have had very fair success growing alfalfa. there. I should not want to re-seed with any In 1908 I seeded half an acre, cut it that year other grain until I felt sure what the seed already and left the cutting on the ground as protection there was going to do. I have known winter seeds and fungi spores? for the plants. Last year the half acre yielded wheat to make a fairly good crop when it did two and one-half tons from two cuttings, being not start at all in the fall; but of course it may proper conditions of control that the seeds of be possible that it will not ripen, but it has a I seeded at the rate of twenty pounds per acre, fair chance to do so. I have seen fall wheat may he destroyed? inoculating the seed with nitro-culture. The start in the fall and grow sprouts from one-eighth variety was Turkestan, it being chosen because to one-quarter of an inch, lie through the winter taining masses of new sorts of weed seeds? the experimental farms recommend it as being in that state and then come on and do well the hardier than the common varieties. The land following spring. But, of course, we can see planted? had been broken two years previous and had that even that much of a start would be an ad-

in the winter, spreading it on the surface. In winter wheat does before sowing more seed of the spring the land was plowed to a good depth, any kind. After it is seen what the fall-sown machinery of wholesale seed firms? harrowed and rolled until I got a good, fine seed seed is going to do there is plenty of time to

green feed, or flax, or it die out oculating the seed. The plants came up and may be possible if one has stock to turn them on Why not observe and think out the habits of late to make a crop this season. I would say, cannot change? I would strongly advise every farmer to sow however, that it should start at once in the Why not prevent the maturing of weeds and a small piece of alfalfa and add to it each year. spring to have any chance to make a crop this plant diseases upon our lands and upon the road-

the inoculation of the remainder. And do not Will say in regard to the pasturing proposition forget to manure the land well. You can't that I have carried rye over in this way and run blue-grass and white clover with which sods get it too rich. If the soil has never grown al- it clear through one summer by pasturing it few weeds can compete? falfa before and you can get no soil from fields enough to keep it from jointing when it had that have grown it, be sure to inoculate the seed. started the fall before and do not see any reason lines and, if he will not be educated, why not de-Select a fairly level piece of land for alfalfa and it could not be done in this case with this patch or whatever is necessary to place the land. see that no water can stand on it. Get the of wheat. I only mention this as a possibility, right kind of seed, even if it does cost a little provided the occasion presents itself to do so, more, and do not let the stock pasture on alfalfa, but not as a choice, for it would without a doubt be more profitable to get a crop without the loss Alfalfa is the most valuable crop we can grow, of the use of the land, especially in a country estimate is put on the feeding value of good Last fall when the grass dried up I fed my cows where there is plenty of pasture without pastur- alfalfa hay, as compared with the other feeds alfalfa and they milked fine all fall. It is the ing the wheat. This incident will serve to warn there named: Alfalfa hay per ton, \$20.16; clover greatest feed I ever saw for brood sows and is other farmers against sowing winter wheat so hay per ton, \$14.12; timothy hay per ton, \$9.80; late as this lot was sown and in dry soil. We take wheat bran per ton, \$22.80; shelled corn per chances enough when we prepare by summer ton, \$20.16.

fallow or summer tilling for our winter wheat, without sowing late in the fall in dry soil. New breaking that has been well broken and well In answer to your subscriber from Medicine rotted and taken care of to conserve the mois-This plot I feed gives for the feed about June 15th, Hat, enquiring about winter wheat which was ture is also a fairly safe place to put winter wheat. when the alfalfa is about two feet high. This sown too late to germinate last fall, it is my The very best conditions should be striven for plot, with what grass I cut round the yard, keeps opinion that such wheat if left to germinate in order to reduce the danger of failure to the

D. W. WARNER.

Growing Maize In Alberta

That corn can be successfully grown in Alberta loam with clay subsoil, one end being decidedly sowed. I think any variety would come on has been demonstrated. Thos. Rider, of Lamerwet and springy. I may say that I seeded the and mature in an ordinary season, even if it did ton, north of the Red Deer river, harvested ten wet end more for experiment than in the ex- not start during the fall; but some varieties are acres of corn last season. The grain was fully pectation of securing a satisfactory crop. As earlier than others, and some seasons shorter ripened and this year Mr. Rider purposes growing from reading I understand that water should than others, so if the variety were of the latest fifteen or twenty acres, sown from seed of last not be within eight feet of the surface in ideal and the season an extraordinarily short one year's growth. From tests made he has found alfalfa soil. But contrary to expectation the the crop might not fully mature. I should be the germination quality of this seed of high wet piece is the best, giving two very heavy cut- inclined to give this wheat a chance. I think percentage and well up to the standard. "For tings each season for the last two years, with no that in the Medicine Hat country there would twenty-one years I grew corn across the line, winter-killing. The remainder of the plot was be but a very few seasons that our ordinary but few crops equalled the one I harvested in Alberta last year," stated Mr. Rider. His corn, It may be that the weather will continue dry he claimed, grew eleven feet high, and besides Last spring I seeded about one-eighth of an during the spring. If it does no other crop of was well eared. The varieties he grew were acre with Grimm's alfalfa on light soil in the open wheat that could be put in would improve the the Australian white and the yellow Terechan. without any protection. If it survives, especial- chances, for if spring wheat were sown in the Early June was the time of planting and the

tion in recommending this as a perfectly hardy and be a mixed crop in quality and very likely When asked regarding summer frosts, Mr. variety. I may say that I never inoculated to be too thick for best results. If he waits Rider stated that some localities might be more either seed or soil; but can do so in future from until he sees whether the winter wheat is coming, subject to early frosts than others, yet he was my own soil. From what little experience I the season will then be too late for spring wheat, of the opinion that many localities in Alberta have had I will say that there is no more profit- and if the seed did not start in the fall at all were well adapted, both as to soil and climate,

as I know, the earliest to cut, the heaviest crop- warmth comes in the spring. At least I should Growing corn would do away with the need per, yielding four to six tons of cured hay, and have faith enough to wait until it would have of summer-fallowing and besides the summer is very palatable and high in feeding value. a chance to start before taking any action. If cultivation for corn would clear the land of many There are few if any farms which could not have the seed does not start before time to put in oats noxious weeds. After a corn crop the soil is their plot of alfalfa, and there are many districts it will not come unless the soil has continued in left in fine tilt, in perfect condition for the making in this province where it could be grown without such a dry state as to prevent the germination of an excellent wheat bed. Mr. Rider is very any protection. Where red clover will winter and growth. If this dry condition does continue enthusiastic over his results from growing small until it is too late to sow oats there is a pretty fruits and vegetables as well as from growing

"Why Nots"

PROFESSOR BOLLEY ON THE WEED PROBLEM Why not compost manures to destroy weed

Why not handle our feeding stuffs under such weeds and the spores of disease producing fungi

Why not refuse to buy agricultural seeds con-

Why not treat and disinfect all seeds sown or

Why not have a seed plot so as to be able to pick out any weeds or disease bearing plants, thus raising your own clean seed and not depending upon the purchase of seed that is contaminated in the elevators and warehouses and seed cleaning

Why not rotate to give weeds a harder time and give diseases which live upon special crops once after seeding. No nurse crop was used. The second crop, if it is necessary to sow one, and special crop refuse of the soil a chance to

survived, but were fully six inches shorter than the fall wheat and keep it pastured down during each weed and fungous parasite with which you plants from the inoculated area and of a sickly the summer and run it over in this way for a come in contact and plan to side-track them by color. Of course it inoculates itself from the crop the following year if it should start too attacking the habit of growth which the pest

sides adjoining and in the waste places?

Why not seed waysides and waste places to

Why not educate our neighbor along similar "menace. or whatever is necessary to please the lawyers and then make him think some of the rights of others.

* * * In United States Bulletin 339, the following