## Rape.

As the questions of cheap meat-production and probitate catte--rasing come more to the fore for stockers, as well as pigs and sheep, must come mory stockerse to the front.
green food alone. but the importancer and necessit of feeding him on such is very often overlossited Another cons datue of different forage phants for the end in view. The conditions governing the feeding
operations, however, enter into this matter. and operations, however, enter into this matter, and
frenuently such crops as can le most conveniently produced or utilized must take prec
others better adaptel to the end in view
Of the various crops more or less extensively cultivated as forage crops at the Central vixperi-
mental farm during the past few years, for cattle.
 for forage is I) wratf Fissex. During the past yeal about to acres have been under rape. The pitots Plot 1. This plot. [1 acres
slighty loamy sand. It was mannred 15 tons to the acre in May, and the rape sown in drills sis inches
apart, on Nay IPth. This crop grew very rapidly apart, on way int. Tugist. es tons green very rapidy acre. A second crop grew up and gave atout 3 tons Plot 2 This plot. 11 acres in area, was a good
Po mas manured 12 tons to the
 Angust it cut 2 y tons to the acre and the lend was then plowed
Plot $:$. This Plot : 3 -This plot. 'acre in area, was sown
broadcast, on June lith. This plot had been used at pig pasture the preceding summer so no mannure
was necessary. . $h$ his plot was used as a pasture for store pigs.
Plot 1.
Prent 1 .- This plot, three-sixteenths of an acre in used as pasture for pigs.
Plot :
This plot,
sod plowed July lith ficres manure was was sown on was prepared, and the plot sown July $\cdot 3$ and in drills ${ }^{\text {sis inches apart, and partly broadeast partly }}$ land being lather dirty and in ${ }^{\text {a }}$, poor state of
tith, this plot did not do very well. The part sown broadcast was a very light croo indeed. The part
sown in drills did very much better howe the was possible to cultivate by means of the handwhee hoe.
Prots 1 and 2 were cut and used as soiling crops sible to get any idea of the exact feeding value from the animats fed. The steers. 11 in number, averaged 1, (ont) pounds weight, and made gain at the rate of 2 pounds per diem each while on the rape nograin sumil , uartities ate it with avidity and were quite given a good feed daily at of ten steer calves were juicy leaves and stems very much, and to thrive and ate it down quite close. As soon as turned up, on the rape they began to improve in Heses. The
greattest value of the crop would appear to greatest
pasture for pige of
with a lot of six pigs:


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From a study of the habits of pigs pasturiny on
plot 1 thould say that the best results would he mpart, at the mate of apout three pounds of seed can be cultivated the acte has a tendency to branch out and develop a large esting to watcr han go to stem. It is most interesting to watch the niceness of descrimination exer-
cised hy your practical rape-ating pix as he strolls
leiswoly down leisurely down the row and selectsthejimic leaves that
lest please his fancy. Ihdere obsereed, ton that your trest please his fancy. Thave observed, tor that your
trained pig is equal to the best of chemists in picktrained pig is equal to the best of chemists in pick-
ing out those parts of the plant most valuable for
foord. He soon food. He soon learns to shun the larger or old juice, A study of the chemisitry, of the thend the whl
be foumd in the report of Mr. F. T. Shutt. (hemill of the tixperimental Farms.

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Ni.w whive


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## Territorial Crop Statisties.

sit compluted the compilation of threshegina has wor the year I! mone. Below will be found a statement varions seetions of the Territories ans erop in the puison with the figures for the preceding season



 Torriturion amblay







Territorico .... 357. E1
The total area under crops of whent, oats and in the year 1900, and from this was harvested 8, ,iv) (,bie bushels of grain. This shows 93,610 more preceding year, lute the yield falls short by $3,331,118$
p preceding year, hat the yield falls short by 3331,118 dry spring and early summer in the eastern por-
tions of the Territories and by bad harwe tions of the Territories and hy bad harevesting
weather throughout. Early snowstorms in the weather throughout. Early snowstorms in the
West caused heavy losses by lodging the grain, and thus materially reduced the yield.

## An Unfavorable Opinion of Spelt.

 The following is a letter from an Iowa correread with interest by many of our readers:If your correspondent from Narshall If Your correspondent from Marshall county, fully look through the catalogues of several seedsmeil, he will soon discover that the identical cuts used by some of them to show the wonderful stooling properties of spelt are used by others to to represent certain grass. Qtack grass could be mucpresetter represested by these cuts than spelt Those cuts have induced many farmers to introduce this new kind of grain.
Being short on
this grain last spring. It matured several acres of this grain last spring. Matured after the barley mowed man stacked the same as hay. In bulk the spelt exceeded che oats, but in welgat it was much
less at time of stacking, less at time of stacking.
During the winter the
horses, had free access to the pigs, and often the contained barley, oats, spelt, clover, prairie hay stover, corn fodder, and millet. The unanimous preterence which these animals exhibited for cer-
tain stacks, and their disinclination for others, proved a valuable object lesson.
It was clearly evident
chief attraction. After that the harley was the cher fatraction, Atter that in order came oats,
corn fodder, clover, millet, prairie hay, The corn stover which I hauled out into a dry feed lot was the only feed which my dairy cows had during the day, but at night I filled their mangers
with oat hav, with an coccasional dessert of and a siunday dinner of fodder corn.
and Is spring approached, the oat hay disappeared to tonch it grew gaunt and decreased the supply of milk, and while the horses ate some of it, yet
they seemed to take any other grain or hay better: It was stacked rainprof, and came out fresh and hright, but the fiber is too woody, in my opinion, to
hee oft much value as hav. The grain is less in Maility and quantity than oats. I will not sow any
 wollowemd bilt hay, cut insi hedoue it is fulls riph


A llay with a Westerm Nhepheren.
The Doukhobors and Galicians and their cus have becume part of ter sting to as, because they lack the initial interest of fellowship and ot the nationality that many other settlers in the West have for their eastern friends. Apart from the arge foreign immigration that is setting in Canada vards, the TVest has absorbed a great many enst rin men or boys who have felt that they could do better they only had the chance, and have conse mently left the competition of the east for the en praries of the west. These may be artisans, armers sons, or varsity grads. If they come is . West as Southern Alberta or W estern Assini nder the tindy grasses and balmy winter climate he cattle chinook, they soon conclude that and the goal of most is business of the country cows: hence, many start riding for the tig a few and convert their annual savings into catle outfits, nough their bunch to grow until it is larre ient to afford constant employment and suffi-quarter-section, putting up a shack he cow business in an independent wayg int nd boy life has been written and talked of " good picturesqu, as the Western phrase goes. The by fulsome newspaper correspondents neglected the pomp and circumstance of the old cowboy life agger cartridge belts, guns, rough-riding, and nence and emphasises, have been given a promihumdrum working conditions warrant pual prent Western men are not rough-riding, irresponsible cowboys: they are not even cattlemen at all. mere sem goodmany shepherds. The newspape they are an interesting and an important up, but factor of Western life just the same.

Fe had decided to see them at work. The natural grasses soon exhaust near the towns, and possible. A visit to a sheep ranch does netse is, if arive in a broad-cushioned phaeton for three miles The idenrn, but a horseback ride of twenty miles is on the frisky pical way, of traveling in the West called. He may be heady and fresh at first pony is your a bit for the first couple of miles for the heulthy pony is fond of moving. His wind and constitu tion are good, for he has been brought up outside dry feed. By and by you get closer to your Mexi can saddle, with its high pommel and cantel Mexd it is much more comfortable than the diminutive English saddle - "postage stamp," the cow-man pagne. Your whole frame is in pleasurable exer dru, and you feel for once independent of the druggist and his drugs. But this is another story our shepherd host har brought us to the camp of ouven over tulting a real varsity man, but he has light enough to see the camp lay-out. Large shed tural more noticeabie for its extent than architec plant, wool press, at mower, horse-rake, dipping basket wagon, with which to gather the larg prairie hay, against an occasional bad winter spell. the shack of the proprietor seeders: and, finally, before us as we jolted down the coulee to picture "bottom," protected on both sides by highiver banks which carried up the bench lands at both sides of the stream. The sheep bunch were in the corral for the night. We could see the white mass ber of the flock, who allways seemed to have two or three, or perhaps half a dozen, imitators.
We ate and slept, and ate again, the last time shopherd must he early afield. The dogs were already clamorous to be out before the lamp was extinguished-two collies and a greyhound, the
collies to work the flock, the grey the panicky, stupid sheep greyhound to protect the panicky, stupid sheep against wolves and
coyotes. The greyhound hore many a scar, and was quiet and sedate, but the Scotch dogs were all movement, back and forth, and had to be brought noisy: a second's pause found hock were already then came a regular chorus until the corral sent out a confused din of sheep calls. The corral is opened, a black goat is the recognized leader, but
hundreds of quick hooves are striking the hund trodden, dry way up the coulee. the dogs hard quickening the front ranks by barking along the sides, and are shooting lack to hurry the loiterers
behind, and the daves worl behind, and the day's work has opened. The pace slackens after the corral is empty, and the flock
ascend the slope to the bench in long files, one after one, in a continuous, wary movement. that seems of one sheep instead of twenty five hundred the grass are reached, the head ones panse for and to right and the ones behind spread and dress up oir hatf a mile fiont, and in this wasy the cirole for the day progreses A amomb men. the aggresive

