

rich in protein, along with rape. Timothy or a mixed grass pasture would be suitable for this purpose.

COST TO PRODUCE RAPE AT OTTAWA.

*One Acre.*

Ploughing in spring.....	\$2 00
Harrowing (4 times) team, 3 hours.....	75
Rolling, $\frac{1}{2}$ hour.....	20
Seed, 3 lbs. at 8c.....	24
Sowing, 3 hours at 13 $\frac{1}{2}$ c.....	40
Hand wheel hoeing, once, 4 hours.....	53
Cultivating, 3 times, single horse, $\frac{1}{2}$ day at \$2.....	1 50
Hoeing, once, 1 day.....	1 33
	\$6 95

If the rent of land be considered, and any commercial fertilizer or barnyard manure, be applied, the cost of production would of course be increased. As already indicated, however, barnyard manure may be most profitably applied to land used for this crop.

RESULTS FROM FEEDING RAPE AT OTTAWA

Lambs and sheep have been fed with most excellent results. No exact record was kept of the amount consumed, however, as they were pastured.

Steers have been pastured here on rape and good results secured. A bunch of 22 steers made an average of 50 pounds gain, live weight, in 3 weeks on an area of 2 acres. About 30 sheep had been allowed to pasture on part of this same area for 10 weeks. The sheep had had at the same time access to a limited area of natural grass pasture.

EXPERIMENTS WITH PIGS.

A great many pigs are fed annually on rape on the Experimental Farm at Ottawa. The following record is submitted to illustrate the part taken by rape in pork production. In one instance six pigs were pastured from August 14 till snow in 1900 on three-sixteenths of an acre of rape.

LOT OF SIX PIGS ON RAPE PASTURE.

No. of Pig.	WEIGHTS.							
	Aug. 14.	Aug. 23.	Sept. 11.	Sept. 25.	Oct. 9.	Oct. 16.	Oct. 30.	Dec. 6.
	Lbs.		Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
279.....	61	76	80	85	96	108	129	175
280.....	60	73	80	95	105	121	147	195
281.....	64	73	91	103	111	127	150	201
282.....	60	73	90	99	109	120	143	171
283.....	60	72	82	99	114	135	157	203
284.....	53	68	76	90	105	118	141	182
Total.....	358	435	499	571	640	729	867	1,127
Total gain.....		87	64	72	69	89	138	260
Daily rate of gain in lbs.....		1.03	0.76	0.85	0.82	2.12	1.64	1.20
Daily grain ration.....		1	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	3	4	5