

BARNYARD MANURE.

COMMERCIAL FERTILIZER ALONE VERSUS COMMERCIAL FERTILIZER TOGETHER WITH BARNYARD MANURE FOR MANGELS.

In order to ascertain the value of barnyard manure for mangels, an experiment was begun using a mixture of commercial fertilizer only on one plot, and the same mixture, together with 16 tons per acre of barnyard manure on a second plot. While the second plot yielded over 3 tons per acre more mangels than the first, the manure could not be considered as having entirely paid for itself from the first crop after application. The yields of succeeding crops, must of course, be considered before the full value of the manure will be known.

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Plot.	Fertilizers.		Yield of mangels per acre.		Cost of fertilizers.	Value of crop per acre less cost of fertilizers.
	Barnyard manure.	Commercial fertilizers.				
			Tons.	Lb.	\$ cts.	\$ cts.
1.	16 tons, fresh applied in spring.	Superphosphate, 350 lb.; Muriate of potash, 150 lb.; nitrate of soda, 100 lb.	26	1820	24.42	56.30
2.		Superphosphate, 350 lb.; muriate of potash, 150 lb.; nitrate of soda, 100 lb.	23	1550	8.42	62.90

SPRING APPLICATION VERSUS WINTER APPLICATION OF FRESH MANURE.

In this very wet winter climate it is thought there may be undue loss through the leaching of barnyard manure applied in the fall or winter. An experiment to learn the probable extent of this loss has been conducted during the past season. The results, as tabulated below, favour spring application.

Further tests, verifying these results, must be made, before accepting them as conclusive.

SPRING APPLICATION VERSUS WINTER APPLICATION OF FRESH MANURE.

Plot.	Fertilizers.		Yield of mangels per acre.		Cost of fertilizers.	Value of crop per acre less cost of fertilizers.
	Barnyard manure.	Commercial fertilizers.				
			Tons.	Lb.	\$ cts.	\$ cts.
1.	16 tons, fresh, applied in winter....	Superphosphate, 350 lb.; muriate of potash, 150 lb.; nitrate of soda, 100 lb.	25	1000	24.42	53.07
2.	16 tons, fresh applied in spring....	Superphosphate, 350 lb.; muriate of potash, 150 lb.; nitrate of soda, 100 lb.	24	1820	24.42	56.30