

Nutrient Production

Dare Farms

Nutrient Production							
Per 1,000 Gal							
Type of animal	Gallons Produced *	Total N	P2O5	K2O	Total N Produced Per Year	Total P2O5 Produced Per Year	Total K2O Produced Per Year
Liquid Cattle Manure	3,730,575	20.8	15.2	18.9	77,596	56,705	70,508
Solid Cattle Manure	4,772	21.0	18.0	26.0	100,202	85,887	124,059
Whole Farm					177,797	142,592	194,567

* From Waste volume calculation page

Crop Nutrient Need

Per Acre

Crop	Yield	N lbs/ac	P2O5 lbs/ac	K2O lbs/ac	Acres needed based on N produced**	Acres needed based on P2O5 produced***
Corn (continuous)	200.0	240	86	56	741	1,658
Corn (bean rotation)	200.0	200	86	56	889	1,658
Beans	50.0	0	42	65	n/a	3,395
Wheat	75.0	75	67.5	22.5	2371	2,112
Alfalfa Hay	4.0	0	48	200	n/a	2,971
Silage	34.0	216	88.4	238	823	1,613

**Total N produced/N needed per acre

***Total P produced/P needed per acre

Current crop rotation			
Crop	Acres	N needed	P2O5 needed
Corn (continuous)	0	0	0
Corn (bean rotation)	1,096	219,120	94,222
Beans	0	0	0
Wheat	0	0	0
Alfalfa Hay	0	0	0
Silage	53	11,357	4,648
Total	1,148	230,477	98,870

Calculations do not take into account nutrient losses from application of waste.