

Nutrient Production

Logeman Brothers Farm

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
Nursery	458,121	3.6	0.8	7.4	1,649	366	3,390
West Finisher	1,384,831	16.8	7.6	26.1	23,265	10,525	36,144
East Finisher	1,401,269	5.1	1.6	12.1	7,146	2,242	16,955
Overflow Finisher	48,980	16.8	7.6	26.1	823	372	1,278
Whole Farm					32,884	13,505	57,768

* 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	137	157
Corn (bean rotation)	200.0	200	86	56	164	157
Beans	60.0	0	51	78	n/a	265
Grass	7.0	150	84	350	219	161

**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	19	7
Corn (bean rotation)	258	51,681	22,223
Beans	232	0	11,818
Grass	52	7,815	4,376
Total	542	59,515	38,424

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