

## Nutrient Production

### North Fork Pork, LLC

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
Swine Deep Pit	5,555,210	27.8	7.9	14.05	154,435	43,886	78,051
<b>Whole Farm</b>					<b>154,435</b>	<b>43,886</b>	<b>78,051</b>

\* 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)	170.0	204	73	48	757	601
Corn (bean rotation)	170.0	164	73	48	942	601
Beans	55.0	0	46.5	71.5	n/a	944
Wheat	80.0	80	72	24	1930	610
Alfalfa Hay	4.0	0	48	200	n/a	914
Grass	3.0	150	36	150	1030	1,219

\*\*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)	126	25,704	9,198
Corn (bean rotation)	345	56,580	25,185
Beans	534	0	24,824
Wheat	141	11,243	10,119
Alfalfa Hay	0	0	0
Grass	0	0	0
<b>Total</b>	<b>1,145</b>	<b>93,527</b>	<b>69,325</b>

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