

Manure Analysis

Animal Species	Cows	
Units	lbs/ton	
Total N	8.7	lbs/ton
Ammonium-N	0.3	lbs/ton
Organic-N	8.4	lbs/ton
P ₂ O ₅	3	lbs/ton
K ₂ O	5	lbs/ton
Total Solids	10.9	%
Density	8.34	lbs/gallon

Fertilizer Value of Manure

Cost per pound of nutrient

N	\$ 0.45	/lb
P ₂ O ₅	\$ 0.58	/lb
K ₂ O	\$ 0.36	/lb

Note: the actual value of manure nutrients, calculated below, depends on the cost of application and the need for N, P₂O₅ and K₂O by the crop.

Past Manure Applications

Units	tons		N Credit	
Applied last year	20	tons/acre	20	lbs/acre
Applied 2 years ago	15	tons/acre	6	lbs/acre
Total N available from past applications			26	lbs/acre

Past Applications

	\$ 9.07	/acre
	\$ 2.84	/acre
	\$ 11.91	/acre

Current Manure Application

Units	tons
Application Rate	25 tons/acre
Application Method & Timing	Spring incorporated within 3 days

Nutrient Credit

Ammonium-N credit	3	lbs/acre
Organic-N credit	74	lbs/acre
Total N available from current application	77	lbs/acre
Total P₂O₅ from current application	75	lbs/acre
Total K₂O from current application	125	lbs/acre

Current Applications

	\$ 1.38	/acre
	\$ 33.08	/acre
	\$ 34.46	/acre
	\$ 43.50	/acre
	\$ 45.00	/acre

Crop Nutrient Requirements

N	90	lbs/acre
P ₂ O ₅	20	lbs/acre
K ₂ O	45	lbs/acre

Nutrient Balance

	13	lbs/acre	Surplus
	55	lbs/acre	Surplus
	80	lbs/acre	Surplus