Manure Value Analysis

Troy Otte

Field Information			
Field ID	Schliefert 80	Crop Year	2022
Legal Description	31-7-3W Fillmore	Planned Crop	Corn
Size of Field (acres)	80	Projected Yield	275

Nutrient Balance (Pounds / Acre)					
	N	P	K	S	Zn
Crop Uptake Per Year	330.0	90.8	68.8	24.8	1.5

Manure Analysis (Pounds / Ton)						
Sample ID	Total N	1st Yr N	P	K	S	Zn
Stock Pile 1	24.3	6.1	30.8	27.8	7.8	0.6
Stock Pile 2	12.5	3.1	21.4	26.6	5.7	0.4
Stock Pile 3	22.9	5.7	32.3	31.5	8.1	0.6
Average	19.9	5.0	28.2	28.6	7.2	0.5

Nutrient Value						
	Nutrient (Pounds)					Value
	Available N	P	K	S	Zn	$ / Ton
Analysis (1 Ton)	10.1	28.2	28.6	7.2	0.5	$35.03

Nutrient Value Index	20.00%

Commercial Fertilizer Value Table	
Source	Cost / Ton
32-0-0	$340.00
11-52-0	$585.00
0-0-60	$520.00
12-0-0-26	$360.00
32% Zn	$1,600.00

Nutrient Value Table		
Nutrient	Cost / Pound	Cost / Ton
N	$0.53	$1,062.50
P	$0.45	$900.24
K	$0.43	$866.67
S	$0.45	$894.23
Zn	$2.50	$5,000.00

Nutrient Availability Factor Table	
Nutrient	Availability Factor
1st Yr N	25%
2nd Yr N	15%
3rd Yr N	7%
4th Yr N	4%
P	100%
K	100%
S	100%
Zn	100%

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