

图 Grop File

Fertilizer & Amendment Technology & Use Issued 06/18 ffv

Typical Beef Waste Analysis: **Effluent** (1% solids or less)

	Analys	Analysis values, wet basis	Pounds per	Pounds per 1000 gallons, lb/1000 gal	Pounds	Pounds per acre-inch Ih/ac-in
	Median	Typical range	Median	Typical range	Modis	Tunical rapas
NUTRIENTS					isicaldi	rypicai range
Total nitrogen, mg/L N	142	80 - 250	1.2	07 - 21	27	
Organic nitrogen, mg/L N	86	40 - 130	0.7	0.3 - 1.1	19	
Ammoniacal-nitrogen, mg/L NH ₄ -N	70	23 - 120	0.6	i e	16	5 27
Nitrate-nitrogen, mg/L NO ₃ -N	1	<1 - 10	< 0.01	1.	< 0.5	<05 0E
Phosphorus, mg/L P	48	31 - 70	0.4	-	311	
Phosphate, mg/L P ₂ O ₅	110	70 - 160	0.9		25	76 36
Potassium, mg/L K	672	371 - 1017	5.6		150	1
Potash, mg/L K ₂ O	780	1	6.5	36 - 98	177	1
METAL					777	9/ - 26/
Calcium, mg/L Ca	136	100 - 190	1.1	0.8 - 1.6	308	
Magnesium, mg/L Mg	80	51 - 120	0.7	0.4 - 1.0	18.1	11 - 27
Sullur, mg/LS	50	33 - 84	0.4	0.3 - 0.7	11.3	ı
sodium, mg/L Na	210	137 - 310	1.8	1.1 - 2.6	47.6	31 - 70
ZITIC, mg/L Zn	1.0	<1 - 1.0	0.01	< 0.01 - 0.01	< 0.30	
IIOII, IIIB/L FE	6.0	3.0 - 10.0	0.05	0.03 - 0.08	1.36	t
Manganese, mg/L Mn	1.0	<1 - 1.0	0.01	ı	< 0.30	<0.3 - 0.30
copper, mg/L Cu	0 1.0	<1 - 1.0	0.01	< 0.01 - 0.01	< 0.20	í
boron, mg/L B	1.0	0.5 - 1.0	0.01	< 0.01 - 0.01	< 0.23	ı
PROPERTIES			1,50		2	1
Moisture, %	99.6	99.4 - 99.8	8312	8295 - 8328	225,830	225,376 - 226,283
Organic matter of Organic	0.4	0.2 - 0.6	33	17 - 50	906	•
Ash (non-valatile talids) %	0.10		80	8 - 17	227	204 - 408
Carbon to mitrogen matic Call	0.22	0.11 - 0.30	17 5	8 - 25	499	249 - 680
Carbon to nitrogen ratio, C:N	5	4 - 7	- 1			
Electrical conductivity, mmho/cm	4.6	3.0 - 6.1				
Sodium adsorption ratio, SAR	3,5	2.6 - 4.8	7			
Chloride, mg/L Cl	570	330 - 830	· · ·			
Data from survey of 3289 samples submitted to Servi-Tech Labs from 12/2006-09/08 & 01/14-12/17, inclusive. "Median" value is 50th necessities	ch Labs from 12/2	2006-09/08 & 01/14-12/17, inclus	ive. "Median" value	is 50th percentile; half (50%) of social		

"Typical range" represents 25th and 75th percentiles. Typical range includes middle 50% of samples; 25% of above range; 25% below. from 12/2006-09/08 & 01/14-12/17, inclusive. "Median" value is 50th percentile; half (50%) of results less than median value; half above median value.

Servi-Tech Laboratories: Dodge City, Kansas; Hastings, Nebraska; Amarillo, Texas