



soiltest
farm consultants, inc.

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Client: Concurrent Technologies	Product: Ft. Meyer Curing Mix Pile	Date Reported: 01/14/13
Attn: Shannon Siart	Date Sampled: 12/18/12	Laboratory # C12-587
1225 S Clark ST Suite 500	Date Received: 12/31/12	Reveived by Brent Thyssen, CPSSC
Arlington, VA 22202	Job#: 120600134	
703-310-5680		Amount: \$ 280.00

Nutrients

Method	As Rcvd.	Dry Wt.	Units	Low	Normal	High	Typical Range
Moisture	70 C	30		*****			15 to 40
Solids	70 C	70		*****			60 to 85
pH	1:5	8.3	NA	SU	*****		5.5 to 8.5
E.C	1:5	2.64	3.79	mmhos/cm	*****		below 5.0
Total N	TMECC 04.02D	0.79	1.14	%	*****		1 to 5
Organic C	TMECC 04.01A	22.2	31.9	%	*****		18 to 45
Organic Matter	TMECC 05.07A	43.9	63.1	%	*****		40 to 60
Ash	550 C	25.7	36.9	%	*****		40 to 60
Ammonium -N	TMECC 05.02C	515.0	739.8	mg/kg	*****		90 to 450
Nitrate-N	TMECC 04.02B	82.0	117.8	mg/kg	*****		50 to 250
Chloride	TMECC 04.12D	3588	5154	mg/kg	*****		500 to 5000
Sulfate-S	TMECC 04.12D	126	181	mg/kg			
CaCO₃	TMECC 04.08A	70	100	lbs/T	*****		20 to 80
Phosphorous	TMECC 04.12B/04.14A	0.13	0.19	%			
P₂O₅		0.30	0.43	%	***		1 to 8
Potassium	TMECC 04.12B/04.14A	0.54	0.78	%			
K₂O		0.65	0.93	%	***		3 to 12
Calcium	TMECC 04.12B/04.14A	1.13	1.6	%	*****		0.5 to 10
Magnesium	TMECC 04.12B/04.14A	0.48	0.68	%	*****		0.05 to 0.7
Sodium	TMECC 04.12B/04.14A	0.21	0.30	%	*****		0.05 to 0.7
Sulfur	TMECC 04.12B/04.14A	0.09	0.13	%	*****		0.1 to 1.0
Boron	TMECC 04.12B/04.14A	7	11	mg/kg	*****		25 to 150
Zinc	TMECC 04.12B/04.14A	41	58	mg/kg	*****		100 to 600
Manganese	TMECC 04.12B/04.14A	157	226	mg/kg	*****		250 to 750
Copper	TMECC 04.12B/04.14A	19	27	mg/kg	***		100 to 500
Iron	TMECC 04.12B/04.14A	6197	8902	mg/kg	*****		1000 to 25000
C/N ratio			28	ratio	*****		18 to 24
C/P Ratio			170	ratio	*****		80 to 140
Ag Index			3	ratio	*****		3 to 10

Respiration & Stability

Method	Units	Low	Normal	High	Normal	
CO2 Evolution	TMECC 05.08	1	mg CO ₂ -C/g OM/day	*****		1 to 7
	TMECC 05.08	1	mg CO ₂ -C/g TS/day	*****		0.5 to 5
	TMECC 05.08	10	mg NH ₃ -N/kg /day	*****		10 to 100
Stability Rating	Stable					

Sample was received, handled and tested in accordance with TMECC procedures



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Cucumber Bioassay

Method	Units	Low	Normal
Emergence TMECC 05.05A	100 %	*****	80 to 100
Vigor TMECC 05.05A	97 %	*****	85 to 100
Plant Description	Mature		

Pathogens

Method	Date Tested	units	Low	Normal	High	Normal
Fecal Coliforms TMECC 07.01B	1/2/2013	Not Tested MPN/g				Less than 1000
Salmonella TMECC 07.01c		ND MPN/4g	Pass	*		Less than 3

ND = None Detected

EPA 503 Metals

Method	Dry Wt.	Units	Low	Normal	High	EPA Limits
Arsenic TMECC 04.12B/04.14A	0.4	mg/kg	****			41
Cadmium TMECC 04.12B/04.14A	0.5	mg/kg	****			39
Chromium TMECC 04.12B/04.14A	58.1	mg/kg				-
Cobalt TMECC 04.12B/04.14A	7.7	mg/kg	****			1200
Copper TMECC 04.12B/04.14A	27	mg/kg	****			1500
Lead TMECC 04.12B/04.14A	18.1	mg/kg	****			300
Mercury TMECC 04.12B/04.14A	0.01	mg/kg	****			17
Molybdenum TMECC 04.12B/04.14A	11.9	mg/kg				-
Nickel TMECC 04.12B/04.14A	39	mg/kg	****			420
Selenium TMECC 04.12B/04.14A	0.8	mg/kg	****			36
Zinc TMECC 04.12B/04.14A	58	mg/kg	****			2800
Pass						

Particle Size Distribution TMECC 2.02 B & C

inches	mm	% Passing	Inerts	% by wt.
3	76.2	100		
2	50	100	Plastic	0.00
1	25	95	Glass	0.00
3/4	19.1	95		
5/8	16	95	Metal	0.00
3/8	9.5	88	Sharps	0.00
1/4	6.3	82		
1/8	4.0	75		

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