



Client: Country Garden Farms	Product: CGF2015-01	Date Reported: 04/20/15
Attn: Bill Longbrake	Date Sampled: 03/31/15	Laboratory # C15-290
1201 South Grover Lane	Date Received: 04/01/15	Reviewed by Brent Thyssen, CPSSc
Palmer, Alaska 99645		Invoice #: C15-290
907-863-0802		Amount: \$ 280.00

Nutrients

	Method	As Rcvd.	Dry Wt.	Units	Low	Normal	High	Typical Range
Moisture	70 C	39.0		%	*****			15 to 40
Solids	70 C	61.0		%	*****			60 to 85
pH	1:5	7.4	NA	SU	*****			5.5 to 8.5
E.C	1:5	1.14	1.87	mmhos/cm	*****			below 5.0
Total N	TMECC 04.02D	0.59	0.97	%	*****			1 to 5
Organic C	TMECC 04.01A	7.7	12.6	%	*****			18 to 45
Organic Matter	TMECC 05.07A	15.1	24.7	%	**			40 to 60
Ash	550 C	45.9	75.3	%	*****			40 to 60
Ammonium -N	TMECC 05.02C	26	42	mg/kg	*****			90 to 450
Nitrate-N	TMECC 04.02B	330.0	541.3	mg/kg	*****			50 to 250
Chloride	TMECC 04.12D	667	1094	mg/kg	*****			500 to 5000
Sulfate-S	TMECC 04.12D	58	95	mg/kg				
CaCO₃	TMECC 04.08A	61	100	lbs/T	*****			20 to 80
Phosphorus	TMECC 04.12B/04.14A	0.18	0.29	%				
P₂O₅		0.41	0.67	%	*****			1 to 8
Potassium	TMECC 04.12B/04.14A	0.33	0.54	%				
K₂O		0.39	0.64	%	****			3 to 12
Calcium	TMECC 04.12B/04.14A	0.80	1.3	%	*****			0.5 to 10
Magnesium	TMECC 04.12B/04.14A	0.46	0.76	%	*****			0.05 to 0.7
Sodium	TMECC 04.12B/04.14A	0.05	0.07	%	*****			0.05 to 0.7
Sulfur	TMECC 04.12B/04.14A	0.08	0.13	%	*****			0.1 to 1.0
Boron	TMECC 04.12B/04.14A	7	12	mg/kg	*****			25 to 150
Zinc	TMECC 04.12B/04.14A	63	104	mg/kg	*****			100 to 600
Manganese	TMECC 04.12B/04.14A	302	496	mg/kg	*****			250 to 750
Copper	TMECC 04.12B/04.14A	0.07	0.12	mg/kg	***			100 to 500
Iron	TMECC 04.12B/04.14A	18459	30280	mg/kg				1000 to 25000
C/N ratio			13	ratio	*****			18 to 24
C/P Ratio			43	ratio	*****			80 to 140
Ag Index			10	ratio	*****			3 to 10

Respiration & Stability

	Method		Units	Low	Normal	High	Normal
CO2 Evolution	TMECC 05.08	0.9	mg CO ₂ -C/g OM/day	*****			1 to 7
	TMECC 05.08	0.4	mg CO ₂ -C/g TS/day	*****			0.5 to 5
	TMECC 05.08	0.2	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	Normal
Emergence TMECC 05.05A	96 %	*****		80 to 100
Vigor TMECC 05.05A	91 %	*****		85 to 100
Plant Description	Mature			

Pathogens

Method	Date Tested	units	Low	Normal	High	Normal
Fecal Coliforms TMECC 07.01B	4/16/2015	10 MPN/g	***			Less than 1000
Salmonella TMECC 07.01c		Not Tested MPN/4g				Less than 3

ND = None Detected

EPA 503 Metals

Method	Dry Wt.	Units	Low	Normal	High	EPA Limit
Arsenic TMECC 04.12B/04.14A	8.4	mg/kg	*****			41
Cadmium TMECC 04.12B/04.14A	0.1	mg/kg	****			39
Chromium TMECC 04.12B/04.14A	40.5	mg/kg				-
Cobalt TMECC 04.12B/04.14A	8.2	mg/kg				1200
Copper TMECC 04.12B/04.14A	0.12	mg/kg	****			1500
Lead TMECC 04.12B/04.14A	2.3	mg/kg	****			300
Mercury EPA 7473	0.04	mg/kg	****			17
Molybdenum TMECC 04.12B/04.14A	5.6	mg/kg	*****			-
Nickel TMECC 04.12B/04.14A	23	mg/kg	****			420
Selenium TMECC 04.12B/04.14A	0.5	mg/kg	****			36
Zinc TMECC 04.12B/04.14A	104	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	Total Plastic	0.00
1	25	100	Film Plastic	0.00
3/4	19.1	100	Glass	0.00
5/8	16	100	Metal	0.00
1/2	12.5	99	Sharps	0.00
3/8	9.5	98		
1/4	6.3	85		

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