



Client: Country Garden Farms	Product: CGF 2017-01	Date Reported: 03/15/17
Attn: Bill Longbrake	Date Sampled: 02/23/17	Laboratory # C17-188
1201 S Grover Lane	Date Received: 03/01/17	Reveiled by Brent Thyssen, CPSSc
Palmer, AK 99645		
907-863-0802		Amount \$ 280.00

Nutrients

	Method	As Rcvd.	Dry Wt.	Units	Low	Normal	High	Typical Range
Moisture	70 C	43		%	*****			15 to 40
Solids	70 C	57		%	*****			60 to 85
pH	1:5	8.3	NA	SU	*****			5.5 to 8.5
E.C	1:5	1.11	1.95	mmhos/cm	*****			below 5.0
Total N	TMECC 04.02D	0.55	0.97	%	*****			1 to 5
Organic C	TMECC 04.01A	8.1	14.2	%	*****			18 to 45
Organic Matter	TMECC 05.07A	15.4	27.1	%	*****			40 to 60
Ash	550 C	41.6	72.9	%	*****			40 to 60
Ammonium -N	TMECC 05.02C	528	926	mg/kg	*****			90 to 450
Nitrate-N	TMECC 04.02B	26	46	mg/kg	*****			50 to 250
Chloride	TMECC 04.12D	499	875	mg/kg	*****			500 to 5000
Sulfate-S	TMECC 04.12D	96	168	mg/kg				
CaCO₃	TMECC 04.08A	23	40	lbs/T	*****			20 to 80
Phosphorous	TMECC 04.12B/04.14A	0.21	0.37	%				
P₂O₅		0.48	0.85	%	*****			1 to 8
Potassium	TMECC 04.12B/04.14A	0.39	0.69	%				
K₂O		0.47	0.83	%	****			3 to 12
Calcium	TMECC 04.12B/04.14A	0.80	1.4	%	*****			0.5 to 10
Magnesium	TMECC 04.12B/04.14A	0.47	0.82	%	*****			0.05 to 0.7
Sodium	TMECC 04.12B/04.14A	0.05	0.08	%	*****			0.05 to 0.7
Sulfur	TMECC 04.12B/04.14A	0.09	0.17	%	*****			0.1 to 1.0
Boron	TMECC 04.12B/04.14A	2.3	4.0	mg/kg	****			25 to 150
Zinc	TMECC 04.12B/04.14A	83	146	mg/kg	*****			100 to 600
Manganese	TMECC 04.12B/04.14A	323	566	mg/kg	*****			250 to 750
Copper	TMECC 04.12B/04.14A	20	35	mg/kg	***			100 to 500
Iron	TMECC 04.12B/04.14A	12353	21670	mg/kg	*****			1000 to 25000
C/N ratio			15	ratio	*****			18 to 24
C/P Ratio			38	ratio	*****			80 to 140
Ag Index			12	ratio	*****			3 to 10

Respiration & Stability

	Method	Units	Low	Normal	High	Normal
CO2 Evolution	TMECC 05.08	0.4	mg CO ₂ -C/g OM/day	**		1 to 7
	TMECC 05.08	0.3	mg CO ₂ -C/g TS/day	*****		0.5 to 5
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	114 %	*****	85 to 100
Plant Description	Mature		

Pathogens

Method	Date Tested	units	3/6/2017	Low	Normal	High	Normal
Fecal Coliforms TMECC 07.01B	11	MPN/g	Pass	***			Less than 1000
Salmonella TMECC 07.02A	Not Tested	MPN/4g		*			Less than 3

ND = None Detected

WAC 173-350-220

Method	Dry Wt.	Units	Low	Normal	High	MDL	WAC Limit
Arsenic TMECC 04.12B/04.14A	8.6	mg/kg	*****			0.34	20
Cadmium TMECC 04.12B/04.14A	0.1	mg/kg	****			0.05	10
Chromium TMECC 04.12B/04.14A	11.1	mg/kg				0.07	-
Cobalt TMECC 04.12B/04.14A	27.0	mg/kg				0.02	-
Copper TMECC 04.12B/04.14A	34.7	mg/kg	****			0.21	750
Mercury TMECC 04.12B/04.14A	0.05	mg/kg	****			0.001	8
Molybdenum TMECC 04.12B/04.14A	5.3	mg/kg	*****			0.70	9
Nickel TMECC 04.12B/04.14A	23.3	mg/kg	****			0.10	210
Lead TMECC 04.12B/04.14A	4.5	mg/kg	****			0.11	150
Selenium TMECC 04.12B/04.14A	<MDL	mg/kg				0.53	18
Zinc TMECC 04.12B/04.14A	146	mg/kg	****			0.11	1400
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
3/8	9.5	98		0.00
1/4	6.3	95		
1/8	4.0	87		

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