

REPORT NUMBER

A & L WESTERN AGRICULTURAL LABORATORIES, INC.
 1311 WOOLAND AVENUE, SUITE #1 • MODESTO, CA 95351 • (209) 529-4080 • FAX (209) 529-4736



09-160-070

Client No: 99999-D

SEND TO:

CUSTOMER

COMPOST

SAMPLES SUBMITTED BY:

DANIEL ROJAS

RED WORM FERTILIZING PRODUCTS
 16161 HIGHLAND VALLEY ROAD
 ESCONDIDO, CA 92025-

LAB NO. 26880 DATE 07/10/2009 PAGE 1

ORGANIC AMENDMENT REPORT

REPORT OF ANALYSIS-PERCENT										REPORT OF ANALYSIS-PARTS PER MILLION					
SAMPLE NUMBER	N NITRO-GEN	P PHOS-PHORUS	P ₂ O ₅ PHOS-PHATE	K POTAS-SIUM	K ₂ O POTASH	S SULFUR	Mg MAG-NESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUM-NUM	Mn MANGA-NESE	Cu COPPER	Zn ZINC	B
COMPOST	1.19	0.28	0.64	1.050	1.265	0.260	0.440	1.110	0.250	8373	6282	215	104	84	37.0

POUNDS OF NUTRIENTS/TON															
SAMPLE NUMBER	N NITRO-GEN	P PHOS-PHORUS	P ₂ O ₅ PHOS-PHATE	K POTAS-SIUM	K ₂ O POTASH	S SULFUR	Mg MAG-NESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUM-NUM	Mn MANGA-NESE	Cu COPPER	Zn ZINC	B
COMPOST	23.8	5.6	12.8	21.0	25.3	5.2	8.8	22.2	5.0	16.7	12.6	0.4	0.2	0.2	<0.1

- Reported on an as-received basis Moisture = %
- Reported on a dry basis Moisture = 48.14 %

pH = 8.0
 C:N Ratio = 21:1
 Soluble Salts = 4.6 dS/m
 Organic Matter = 42.69 %
 Ammonia Nitrogen = <0.0025 %
 Nitrate Nitrogen = 0.015 %

Remarks:
 To convert to pounds of nutrients/ton as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100.

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This report applies only to the sample(s) listed. Samples are retained a maximum of thirty days after testing.

By  ROBERT S. SATTERFIELD

A & L WESTERN AGRICULTURAL LABORATORIES, INC.

Report No: 09-160-070

1311 Woodland Avenue, Suite 1 • Modesto, California 95351 • (209) 529-4080

Account No: 99999-D



Send to: RED WORM FERTILIZING PRODUCTS
16161 HIGHLAND VALLEY ROAD
ESCONDIDO, CA 92025

Lab No.: 26880

Sample Id: Compost

Date Received: 06/09/2009

Date Reported: 07/10/2009

503 METALS ANALYSIS REPORTS

Detection Limit mg/kg	Analyte	Level Found mg/kg	Method Code
0.5	Arsenic	1.7	EPA SW846-6010
0.1	Cadmium	1.4	EPA SW846-6010
0.5	Chromium	17.7	EPA SW846-6010
0.1	Copper	104.0	EPA SW846-6010
1.2	Lead	3.8	EPA SW846-6010
0.05	Mercury	0.26	EPA SW846-7471A
1.0	Molybdenum	1.7	EPA SW846-6010
0.1	Nickel	18.0	EPA SW846-6010
5.5	Selenium	BDL	EPA SW846-6010
0.1	Zinc	84.3	EPA SW846-6010

BDL - INDICATES THE LEVEL FOUND IS BELOW THE ESTABLISHED DETECTION LIMIT FOR THAT ANALYTE.
ANALYZED AT A DRY WEIGHT BASIS

A & L Western Agricultural Laboratories

Robert Butterfield
Laboratory Director

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ESCONDIDO, CA 92025

Date Received: 06/09/2009

Date Reported: 07/10/2009

PATHOGEN ANALYSIS REPORT

Lab Number:	Sample ID:	Fecal Coliform MPN/1g	Salmonella /4g
26880	Compost	<2	Negative

A & L Western Agricultural Laboratories

A handwritten signature in black ink, appearing to read 'Robert Butterfield', is written over a horizontal line.

Robert Butterfield
Laboratory Director

A & L WESTERN AGRICULTURAL LABORATORIES, INC.

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Account No: 99999-D



Send to: RED WORM FERTILIZING PRODUCTS
16161 HIGHLAND VALLEY ROAD
ESCONDIDO, CA 92025

Lab Number: 26880

Sample Id: Compost

Date Received: 06/09/2009

Date Reported: 07/10/2009

MATURITY ANALYSIS

Method: TMECC 05.05-A

Positive Control: Uni-Gro Orchid Mix

Negative Control: Uni-Gro Vermiculite

Mixture: 50% Compost/ 50% Vermiculite

Seed Type: Cucumber (Marketmore 76, Lot 17302)

Evaluation Parameters

% of seed population

Emergence (relative to positive control)

100

Vigor (relative to positive control)

92

A & L Western Agricultural Laboratories, Inc.

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Laboratory Director

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Account No: 99999-D



Send to: RED WORM FERTILIZING PRODUCTS
16161 HIGHLAND ROAD
ESCONDIDO, CA 92025

Lab Number: 26880

Sample ID: Compost

Date Received: 06/09/2009

Date Reported: 08/14/2009

RESPIROMETRY ANALYSIS

Method: TMECC 05.08-B

Pre-Incubation: 3 Day @ 20° C

Incubation: 4 Days @ 35.5° C

Day	Respiration Rate	
	mg CO ₂ -C/g TS/day	mg CO ₂ -C/g OM/day
1	1.82	4.27
2	1.07	2.50
3	1.07	2.50
4	0.81	1.91
Average	1.19	2.80

Stability Rating: Stable

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Laboratory Director

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Send to: RED WORM FERTILIZING PRODUCTS
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ESCONDIDO, CA 92025

Lab Number: 26880

Sample ID: Compost

Date Received: 06/09/2009

Date Reported: 08/14/2009

PARTICLE SIZE ANALYSIS

Method: TMECC 02.02-B

Sieve Size		Percent by Weight (dry basis)
Millimeters	Inches	
>50	>2.0	0
25-50	1.0-2.0	0
16-25	0.64-1.0	0
9.5-16	0.38-0.64	12.9
6.4-9.5	0.25-0.38	4.8
4-6.4	0.16-0.25	7.5
2-4	0.08-0.16	17.1
<2	<0.08	57.7

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Robert Butterfield
Laboratory Director

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1311 WOODLAND AVENUE, SUITE #1 • MODESTO, CA 95351 • (209) 529-4080 • FAX (209) 529-4736



09-160-069

Client No: 99999-D

SEND TO:

CUSTOMER

WORM CASTINGS

SAMPLES SUBMITTED BY:

DANIEL ROJAS

RED WORM FERTILIZING PRODUCTS
16161 HIGHLAND VALLEY ROAD
ESCONDIDO, CA 92025-

LAB NO. 26879 DATE 06/22/2009 PAGE 1

ORGANIC AMENDMENT REPORT

REPORT OF ANALYSIS-PERCENT										REPORT OF ANALYSIS-PARTS PER MILLION					
SAMPLE NUMBER	N NITRO-GEN	P PHOS-PHORUS	P ₂ O ₅ PHOS-PHATE	K POTAS-SIUM	K ₂ O POTASH	S SULFUR	Mg MAG-NESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUMI-NUM	Mn MANGA-NESE	Cu COPPER	Zn ZINC	
WORM CASTINGS	1.38	0.24	0.55	0.380	0.458										

POUNDS OF NUTRIENTS/TON															
SAMPLE NUMBER	N NITRO-GEN	P PHOS-PHORUS	P ₂ O ₅ PHOS-PHATE	K POTAS-SIUM	K ₂ O POTASH	S SULFUR	Mg MAG-NESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUMI-NUM	Mn MANGA-NESE	Cu COPPER	Zn ZINC	
WORM	27.6	4.8	11.0	7.6	9.2										

- Reported on an as-received basis Moisture = %
- Reported on a dry basis Moisture = 42.33 %

Remarks:

To convert to pounds of nutrients/ton as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100.

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By ROBERT BUTTERFIELD

REPORT NUMBER

A & L WESTERN AGRICULTURAL LABORATORIES, INC.

1311 WOODLAND AVENUE, SUITE #1 • MODESTO, CA 95351 • (209) 529-4080 • FAX (209) 529-4736



07-354-013

Client No: 99999-D

SEND TO:

CUSTOMER

SAMPLES SUBMITTED BY:

WORM CASTINGS

DANIEL ROJAS

RED WORM PRODUCTS
16161 HIGHLAND VALLEY RD
ESCONDIDO, CA 92025-

LAB NO. 20645 DATE 01/04/2008 PAGE 1

ORGANIC AMENDMENT REPORT

REPORT OF ANALYSIS-PERCENT										REPORT OF ANALYSIS-PARTS PER MILLION						
SAMPLE NUMBER	N NITROGEN	P PHOSPHORUS	P ₂ O ₅ PHOSPHATE	K POTASSIUM	K ₂ O POTASH	S SULFUR	Mg MAGNESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUMINUM	Mn MANGANESE	Cu COPPER	Zn ZINC	B	
WORM CASTINGS	0.38	0.24	0.55	0.450	0.542	0.140	0.430	0.850	0.060	15280	15680	295	12	78	76.0	

POUNDS OF NUTRIENTS/TON																
SAMPLE NUMBER	N NITROGEN	P PHOSPHORUS	P ₂ O ₅ PHOSPHATE	K POTASSIUM	K ₂ O POTASH	S SULFUR	Mg MAGNESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUMINUM	Mn MANGANESE	Cu COPPER	Zn ZINC	B	
WORM	7.6	4.8	11.0	9.0	10.8	2.8	8.6	17.0	1.2	30.6	31.4	0.6	< 0.1	0.2	0.2	

Reported on an as-received basis Moisture = %

Reported on a dry basis Moisture = 49.38 %

Remarks:

To convert to pounds of nutrients/ton as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100.

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07-059-005

Client No: 99999-D

SEND TO:

CUSTOMER

WORM CASTING

SAMPLES SUBMITTED BY:

DANIEL ROJAS

RED WORM FERTILIZING PRODUCTS
16161 HIGHLAND VALLEY RD
ESCONDIDO, CA 92025-

LAB NO. 26062 DATE 03/02/2007 PAGE 1

ORGANIC AMENDMENT REPORT

REPORT OF ANALYSIS-PERCENT										REPORT OF ANALYSIS-PARTS PER MILLION					
SAMPLE NUMBER	N NITRO-GEN	P PHOS-PHORUS	P ₂ O ₅ PHOS-PHATE	K POTAS-SIUM	K ₂ O POTASH	S SULFUR	Mg MAG-NESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUMI-NUM	Mn MANGA-NESE	Cu COPPER	Zn ZINC	B
WORM CASTING	0.81	0.12	0.27	0.400	0.482	0.150	0.370	0.570	0.050	12550	12890	234	11	68	30.0

POUNDS OF NUTRIENTS/TON															
SAMPLE NUMBER	N NITRO-GEN	P PHOS-PHORUS	P ₂ O ₅ PHOS-PHATE	K POTAS-SIUM	K ₂ O POTASH	S SULFUR	Mg MAG-NESIUM	Ca CALCIUM	Na SODIUM	Fe IRON	Al ALUMI-NUM	Mn MANGA-NESE	Cu COPPER	Zn ZINC	B
WORM	16.2	2.4	5.5	8.0	9.6	3.0	7.4	11.4	1.0	25.1	25.8	0.5	< 0.1	0.1	<0.1

- Reported on an as-received basis Moisture = % pH = 7.4
- Reported on a dry basis Moisture = 52.62 %

Remarks:

To convert to pounds of nutrients/ton as received, multiply pounds of nutrients/ton as reported by (100 - moisture %)/100.

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