DENELE ANALYTICAL, INC.

1232 South Ave. • Turlock, CA 95380 • Ph. (209) 634-9055 • Fax (209) 634-9057 • www.denelelabs.com

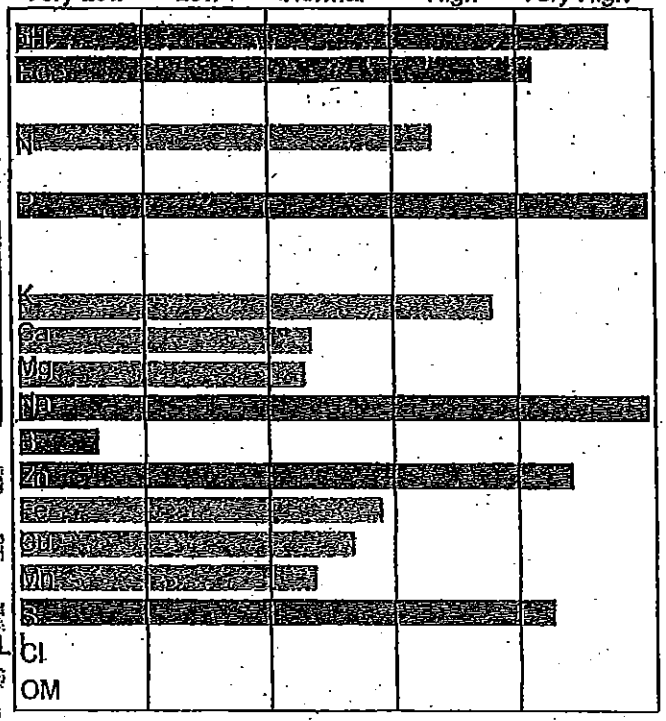
Grower: **V. A. RODDEN**
Lab # S73981902 Variety:
Date Received: 7/01/2009 Acres:
Date Completed: 7/01/2009 Yield: 40 Tons
Crop: Tomatoes
Sample ID: **Bank Of Pond**

Submitted By:
Analyzed By: Denele Agri-Link
MVAS-Linden
PO BOX 593
Linden, CA 95236
Jeff Groen

Soil Test Results

pH			8.3	su
E.C.e			4.06	m.mhos
Soluble Salts			2,598	ppm
NO_3 - Nitrate Nitrogen			66	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			114	ppm
PO_4 - Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	9.3	2 - 5 %	581	ppm
Ca - Calcium	66.9	65-80 %	2,140	ppm
Mg - Magnesium	12.8	10-20 %	249	ppm
Na - Sodium	10.9	0-5 %	401	ppm
B - Boron			0.05	ppm
Zn - Zinc			45.0	ppm
Fe - Iron			98.0	ppm
Cu - Copper			8.6	ppm
Mn - Manganese			17.0	ppm
SO_4 - Sulfate Sulfur			150	ppm
Cl - Chloride				meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	16.0	(Est.)
Percolation			High	
Excess Carbonates			Low	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	630 lbs/Acre
P	0 lbs/Acre	B	2.8 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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PATHOLOGY ANALYSIS REPORT

Submitted by: Jeff Groen
Company: Mid Valley Ag Service, Linden
Grower: VA Rodden

Date Received: 6/24/2009
Date Reported: 7/1/2009

Sample ID	Lab ID	Crop:	Analysis Performed: Nematode	Results:	Nematode Units
BANK OF POND	V739819B	TOMATOES	No plant parasitic nematodes recovered		#/500 cc soil
BOTTOM OF POND	V739819C	TOMATOES	No plant parasitic nematodes recovered		#/500 cc soil

The nematodes present represent the sites sampled and the condition of the samples as received by Denele Analytical; therefore, they may not be representative of the total area in question. Further sampling from different areas of the same field, or at different times of the year may produce different results in both numbers and diversity of nematodes.

Joe Mullinax
Plant Pathologist

argon laboratories

13 August 2009

Jeff Schultz
ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

RE: ConAgra Oakdale Project Data

Enclosed are the results for sample(s) received on 07/15/09 09:25 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: Info@argonlabs.com

Chain of Custody

Page 1 of 1

Project No.	Project Name:
102-19	ConAgra Aerated Pond Soil Sampling
Sampler (Signature) [signature]	(Print) Max Marchal

Sample Identification Number	Date	Time	Water	Soil	Other	Sampling Location	No. of Containers	CAM 17 Metals								Remarks:
[illegible]	[illegible]	[illegible]		X												
[illegible]																
WP 187	7/14/09	1638		X			1	X								
WP 183 Sludge	7/14/09	1618		X			1	X								
WP 183 Solids	7/14/09	1618		X			1	X								

Preservative

Report To:

Invoice To:

Copy To:

9.25

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
[signature]	7/14/09 1850	[signature]	7/15/09 18:50
Max Marchal (Print)	Company: Dunn Env.	Sherry L. Hoffman (Print)	Company: Regan Labs
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
(Print)	Company	(Print)	Company

Argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP 183 Solids	J907029-03	Soil	07/14/09 16:18	07/15/09 09:25

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

Argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.: J907029

ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 183 Solids (J907029-03) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Chloride	54	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	5.6	5.0	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

Argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.: J907029

Metals by WET Extraction

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 183 Solids (J907029-03) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	2.1	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	65	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
Cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	160	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	22	2.0	"	"	"	"	
Manganese	4.3	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	0.4	0.1	"	"	"	"	
Potassium	13	2.0	"	"	"	"	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	0.4	0.1	"	"	"	"	
Zinc	1.8	0.5	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

Argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-10 Project Name: ConAgra Oakdale Project Manager: Jeff Schultz	Work Order No.: J907029

ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901528 - General Prep										
Blank (J901528-BLK1)				Prepared & Analyzed: 07/30/09						
Chloride	ND	10	mg/kg							
Sulfate	ND	5.0	"							
LCS (J901528-BS1)				Prepared & Analyzed: 07/30/09						
Chloride	23.4		mg/kg	25		94	80-120			
Sulfate	45.0		"	50		90	80-120			
LCS Dup (J901528-BSD1)				Prepared & Analyzed: 07/30/09						
Chloride	24.1		mg/kg	25		96	80-120	3	20	
Sulfate	47.0		"	50		94	80-120	4	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

Argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.: J907029

Metals by WET Extraction - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901526 - WET (CA Title 22)										
Blank (J901526-BLK1)				Prepared & Analyzed: 08/10/09						
Antimony	ND	0.2	mg/L							
Arsenic	ND	0.1	"							
Barium	ND	0.5	"							
Beryllium	ND	0.1	"							
Cadmium	ND	0.1	"							
Calcium	ND	2.0	"							
Chromium	ND	0.1	"							
Cobalt	ND	0.1	"							
Copper	ND	0.2	"							
Iron	ND	0.5	"							
Lead	ND	0.1	"							
Magnesium	ND	2.0	"							
Manganese	ND	0.5	"							
Mercury	ND	0.01	"							
Molybdenum	ND	0.1	"							
Nickel	ND	0.1	"							
Potassium	ND	2.0	"							
Selenium	ND	0.1	"							
Silver	ND	0.1	"							
Sodium	ND	5.0	"							
Thallium	ND	0.1	"							
Vanadium	ND	0.1	"							
Zinc	ND	0.5	"							
LCS (J901526-BS1)				Prepared & Analyzed: 08/10/09						
Antimony	9.1		mg/L	10		91	80-120		20	
Arsenic	9.5		"	10		95	80-120		20	
Barium	110		"	100		110	80-120		20	
Beryllium	10.5		"	10		105	80-120		20	
Cadmium	8.8		"	10		88	80-120		20	
Calcium	970		"	1000		97	80-120		20	
Chromium	9.9		"	10		99	80-120		20	
Cobalt	10.7		"	10		107	80-120		20	
Copper	11.5		"	10		115	80-120		20	
Iron	111		"	100		111	80-120		20	
Lead	9.1		"	10		91	80-120		20	
Magnesium	93.0		"	100		93	80-120		20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.: J907029

Metals by WET Extraction - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901526 - WET (CA Title 22)										
LCS (J901526-BS1)				Prepared & Analyzed: 08/10/09						
Manganese	94.0		mg/L	100		94	80-120		20	
Mercury	0.4		"	0.50		90	80-120		20	
Molybdenum	9.3		"	10		93	80-120		20	
Nickel	8.7		"	10		87	80-120		20	
Potassium	109		"	100		109	80-120		20	
Selenium	8.8		"	10		88	80-120		20	
Silver	8.7		"	10		87	80-120		20	
Sodium	890		"	1000		89	80-120		20	
Thallium	9.1		"	10		91	80-120		20	
Vanadium	10.8		"	10		108	80-120		20	
Zinc	95.0		"	100		95	80-120		20	
LCS Dup (J901526-BSD1)				Prepared & Analyzed: 08/10/09						
ntimony	9.3		mg/L	10		93	80-120	2	20	
rsenic	8.9		"	10		89	80-120	7	20	
Barium	115		"	100		115	80-120	4	20	
Beryllium	9.7		"	10		97	80-120	8	20	
Cadmium	9.3		"	10		93	80-120	6	20	
Calcium	1030		"	1000		103	80-120	6	20	
Chromium	9.7		"	10		97	80-120	2	20	
Cobalt	11.3		"	10		113	80-120	5	20	
Copper	10.6		"	10		106	80-120	8	20	
Iron	103		"	100		103	80-120	7	20	
Lead	8.8		"	10		88	80-120	3	20	
Magnesium	107		"	100		107	80-120	14	20	
Manganese	99.0		"	100		99	80-120	5	20	
Mercury	0.5		"	0.50		95	80-120	5	20	
Molybdenum	9.7		"	10		97	80-120	4	20	
Nickel	9.6		"	10		96	80-120	10	20	
Potassium	105		"	100		105	80-120	4	20	
Selenium	9.6		"	10		96	80-120	9	20	
Silver	8.5		"	10		85	80-120	2	20	
Sodium	920		"	1000		92	80-120	3	20	
Thallium	10.3		"	10		103	80-120	12	20	
Vanadium	10.3		"	10		103	80-120	5	20	
Zinc	91.0		"	100		91	80-120	4	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-10 Project Name: ConAgra Oakdale Project Manager: Jeff Schultz	Work Order No.: J907029

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

28 July 2009

Jeff Schultz
ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

RE: ConAgra Oakdale Project Data

Enclosed are the results for sample(s) received on 07/15/09 09:25 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: main@argonlabs.com

Chain of Custody

Project No.	Project Name:	Page 1 of 1
102-19	ConAgra Aerated Pond Soil Sampling	
Sampler (Signature) Max M[illegible]	(Print) Max Murchl	

Sample Identification Number	Date	Time	Water	Soil	Other	Sampling Location	No. of Containers	CAM 17 Metals								Remarks:
~~WP [illegible]~~	~~7/14/09~~	~~[illegible]~~		~~X~~												
WP 187	7/14/09	1638		X			1	X								
WP 183 Sludge	7/14/09	1618		X			1	X								
WP 183 Solids	7/14/09	1618		X			1	X								

Preservative

Report to:

Invoice to:

Copy to:

9.25

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
[signature]	7/14/09 1650	Sherry L Hoffman [signature]	7/15/09 18:50
Max Murchl (Print)	Company Dunn Env.	Sherry L. Hoffman (Print)	Company Pagon Labs
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
(Print)	Company	(Print)	Company

Argon Laboratories Sample Receipt Checklist

Client Name: ConAgra Oakdale — Date & Time Received: 07/15/09 9:25

Project Name: ConAgra Aerated pond Soil Sampling — Client Project Number: 102-19

Received By: S.H. — Matrix: Water ☐ Soil ☑ Sludge ☐

Sample Carrier: Client ☐ Laboratory ☑ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: J907029

Shipper Container in good condition?	N/A____ Yes ☑	No ☐	Samples received in proper containers?	Yes ☑	No ☐
Samples received under refrigeration?	Yes ☑	No ☐	Samples received intact?	Yes ☑	No ☐
Chain of custody present?	Yes ☑	No ☐	Sufficient sample volume for requested tests?	Yes ☑	No ☐
Chain of Custody signed by all parties?	Yes ☑	No ☐	Samples received within holding time?	Yes ☑	No ☐
Chain of Custody matches all sample labels?	Yes ☑	No ☐	Do samples contain proper preservative?	N/A ☑ Yes ☐	No ☐
			Do VOA vials contain zero headspace?	(None submitted ☑) Yes ☐	No ☐

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

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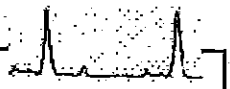

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP 187	J907029-01	Soil	07/14/09 16:38	07/15/09 09:25
WP 183 Sludge	J907029-02	Soil	07/14/09 16:18	07/15/09 09:25
WP 183 Solids	J907029-03	Soil	07/14/09 16:18	07/15/09 09:25

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

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ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 187 (J907029-01) Soil Sampled: 14-Jul-09 16:38 Received: 15-Jul-09 09:25							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	**1.2**	1.0	"	"	"	"	
Barium	**48**	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	**15**	1.0	"	"	"	"	
Cobalt	**2.1**	1.0	"	"	"	"	
Copper	**32**	2.0	"	"	"	"	
Lead	**1.7**	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	**12**	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	**12**	1.0	"	"	"	"	
Zinc	**47**	5.0	"	"	"	"	
WP 183 Sludge (J907029-02) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	**1.0**	1.0	"	"	"	"	
Barium	**35**	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	**11**	1.0	"	"	"	"	
Cobalt	**1.7**	1.0	"	"	"	"	
Copper	**24**	2.0	"	"	"	"	
Lead	**1.4**	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	**8.8**	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	**8.4**	1.0	"	"	"	"	
Zinc	**39**	5.0	"	"	"	"	

Approved By

\rgon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.:
J907029

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 183 Solids (J907029-03) Soil Sampled: 14-Jul-09 16:18 Received: 15-Jul-09 09:25							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	2.6	1.0	"	"	"	"	
Barium	50	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	17	1.0	"	"	"	"	
Cobalt	2.7	1.0	"	"	"	"	
Copper	31	2.0	"	"	"	"	
Lead	6.1	1.0	"	"	"	"	
Mercury	0.3	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	25	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	27	1.0	"	"	"	"	
Zinc	47	5.0	"	"	"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert #2359

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.: J907029

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901393 - 3050B										
Blank (J901393-BLK1)				Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	ND	2.0	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	5.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	1.0	"							
Cobalt	ND	1.0	"							
Copper	ND	2.0	"							
Lead	ND	1.0	"							
Mercury	ND	0.1	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	1.0	"							
Silver	ND	1.0	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	5.0	"							
LCS (J901393-BS1)				Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	9.50		mg/kg	10		95	80-120			
Arsenic	11.1		"	10		111	80-120			
Barium	102		"	100		102	80-120			
Beryllium	9.20		"	10		92	80-120			
Cadmium	9.60		"	10		96	80-120			
Chromium	10.3		"	10		103	80-120			
Cobalt	10.2		"	10		102	80-120			
Copper	10.0		"	10		100	80-120			
Lead	9.60		"	10		96	80-120			
Mercury	0.53		"	0.50		106	80-120			
Molybdenum	10.4		"	10		104	80-120			
Nickel	10.2		"	10		102	80-120			
Selenium	10.0		"	10		100	80-120			
Silver	9.00		"	10		90	80-120			
Thallium	12.7		"	10		127	80-120			
Vanadium	10.0		"	10		100	80-120			
Zinc	94.0		"	100		94	80-120			

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argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.: J907029

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901393 - 3050B										
LCS Dup (J901393-BSD1)				Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	9.70		mg/kg	10		97	80-120	2	20	
Arsenic	11.0		"	10		110	80-120	0.9	20	
Barium	102		"	100		102	80-120	0	20	
Beryllium	9.20		"	10		92	80-120	0	20	
Cadmium	9.50		"	10		95	80-120	1	20	
Chromium	10.3		"	10		103	80-120	0	20	
Cobalt	10.2		"	10		102	80-120	0	20	
Copper	10.0		"	10		100	80-120	0	20	
Lead	9.60		"	10		96	80-120	0	20	
Mercury	0.51		"	0.50		102	80-120	4	20	
Molybdenum	10.4		"	10		104	80-120	0	20	
Nickel	10.2		"	10		102	80-120	0	20	
Selenium	9.90		"	10		99	80-120	1	20	
Silver	9.00		"	10		90	80-120	0	20	
Thallium	12.8		"	10		128	80-120	0.8	20	
Vanadium	10.0		"	10		100	80-120	0	20	
Zinc	94.0		"	100		94	80-120	0	20	
Matrix Spike (J901393-MS1)		Source: J907029-01		Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	6.80		mg/kg	10	0.01	68	70-130			
Arsenic	11.9		"	10	0.01	119	70-130			
Barium	82.0		"	100	0.48	82	70-130			
Beryllium	8.50		"	10	ND	85	70-130			
Cadmium	7.90		"	10	0.002	79	70-130			
Chromium	8.35		"	10	0.15	82	70-130			
Cobalt	8.10		"	10	0.02	81	70-130			
Copper	8.90		"	10	0.32	86	70-130			
Lead	7.70		"	10	0.02	77	70-130			
Mercury	0.60		"	0.50	ND	119	70-130			
Molybdenum	8.40		"	10	0.005	84	70-130			
Nickel	8.10		"	10	0.12	80	70-130			
Selenium	8.20		"	10	ND	82	70-130			
Silver	0.00		"	10	ND		70-130			QM-05
Thallium	6.20		"	10	ND	62	70-130			
Vanadium	8.30		"	10	0.12	82	70-130			
Zinc	81.5		"	100	0.47	81	70-130			

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-10
Project Name: ConAgra Oakdale
Project Manager: Jeff Schultz

Work Order No.: J907029

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901393 - 3050B										
Matrix Spike Dup (J901393-MSD1)	**Source: J907029-01**			**Prepared: 07/22/09 Analyzed: 07/23/09**						
Antimony	6.70		mg/kg	10	0.01	67	70-130	1	20	
Arsenic	12.1		"	10	0.01	121	70-130	2	20	
Barium	83.0		"	100	0.48	83	70-130	1	20	
Beryllium	8.80		"	10	ND	88	70-130	3	20	
Cadmium	8.10		"	10	0.002	81	70-130	3	20	
Chromium	8.65		"	10	0.15	85	70-130	4	20	
Cobalt	8.30		"	10	0.02	83	70-130	2	20	
Copper	8.90		"	10	0.32	86	70-130	0	20	
Lead	7.90		"	10	0.02	79	70-130	3	20	
Mercury	0.61		"	0.50	ND	122	70-130	2	20	
Molybdenum	8.50		"	10	0.005	85	70-130	1	20	
Nickel	8.30		"	10	0.12	82	70-130	2	20	
Selenium	8.30		"	10	ND	83	70-130	1	20	
Silver	0.00		"	10	ND		70-130		20	QM-05
Thallium	6.20		"	10	ND	62	70-130	0	20	
Vanadium	8.50		"	10	0.12	84	70-130	2	20	
Zinc	87.5		"	100	0.47	87	70-130	7	20	

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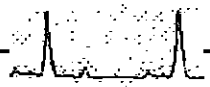

ConAgra Foods Inc.	Project Number: 102-10	
554 S. Yosemite Ave	Project Name: ConAgra Oakdale	Work Order No.:
Oakdale, CA 95361	Project Manager: Jeff Schultz	J907029

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

13 August 2009

Jeff Schultz
ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

RE: ConAgra Aerated Pond Project Data

Enclosed are the results for sample(s) received on 07/15/09 15:40 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: Info@argonlabs.com

Chain of Custody

Project No.	Project Name:	(Print)
102-19	ConAgra Aerated Pond Soil Sampling	J. Fourie

Sampler (Signature)

Sample Identification Number	Date	Time	Water	Soil	Other	Sampling Location	No. of Containers	Parameters: Complete soil Package - Agricultural	Parameters: Additional Tests**	Parameters: Metals (tag method)	Parameters	Parameters	Parameters	Parameters	Preservative	Remarks:
WP 182-Solids	7/14/09			X			1	X	X							* CEC, NO3, Carbonate, pH, Soluble-Salts, Ca
WP 182-CAM17	7/14/09			X			1			X						Mg, Na, SAR, Av. P, Ex.K, B, Zn, Mn
WP 181-Solids	7/14/09			X			1	X	X							**Na%, Moisture, TOC, Total N, Buffer pH,
WP 181-CAM17	7/14/09			X			1			X						TDS, Chloride, FDS, TKN
WP 180-Solids	7/14/09			X			1									Quote JM062209DN
WP 179-Solids	7/14/09			X			1	X	X							
WP 179-CAM17	7/14/09			X			1			X						
WP 172 Sludge	7/14/09			X			1	X	X							
WP 172-Solids	7/14/09			X			1	X	X							
WP 172-CAM17	7/14/09			X			1			X						
WP 175-Sludge	7/14/09			X			1	X	X							
WP 175-Solids	7/14/09			X			1	X	X							
WP 175-CAM17	7/14/09			X			1			X						
WP 176-Sludge	7/14/09			X			1	X	X							
WP 176-Solids	7/14/09			X			1	X	X							
WP 176-CAM17	7/14/09			X			1			X						
WP 178-Solids	7/14/09			X			1	X	X							
WP 178-CAM17	7/14/09			X			1			X						

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
J. Fourie (Print)	7/14/09 17:33	JON SCHUMACHER (Print)	07-14-09 5:35 pm
Company	Dawn Environmental	Company	DENELE
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
(Print)	7/15/09 15:40	(Print)	7/15/09 15:40
	Company DENELE		Company

Page _ of _

Report To:

Invoice To:

Copy To:

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ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP 179 -CAM 17	J907033-03	Soil	07/14/09 08:10	07/15/09 15:40
WP 175 -CAM 17	J907033-05	Soil	07/14/09 08:20	07/15/09 15:40
WP 178 -CAM 17	J907033-07	Soil	07/14/09 08:30	07/15/09 15:40

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

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ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 179 -CAM 17 (J907033-03) Soil Sampled: 14-Jul-09 08:10 Received: 15-Jul-09 15:40							
Chloride	65	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	52	5.0	"	"	"	"	
WP 175 -CAM 17 (J907033-05) Soil Sampled: 14-Jul-09 08:20 Received: 15-Jul-09 15:40							
Chloride	65	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	310	5.0	"	"	"	"	
WP 178 -CAM 17 (J907033-07) Soil Sampled: 14-Jul-09 08:30 Received: 15-Jul-09 15:40							
Chloride	84	10	mg/kg	1	30-Jul-09	EPA 300.0	
Sulfate	28	5.0	"	"	"	"	

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ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals by WET Extraction

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 179 -CAM 17 (J907033-03) Soil Sampled: 14-Jul-09 08:10 Received: 15-Jul-09 15:40							
Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	**2.0**	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	**75**	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
Cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	**140**	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	**22**	2.0	"	"	"	"	
Manganese	**3.5**	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	**0.2**	0.1	"	"	"	"	
otassium	**13**	2.0	"	"	"	"	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	**0.3**	0.1	"	"	"	"	
Zinc	**1.6**	0.5	"	"	"	"	
WP 175 -CAM 17 (J907033-05) Soil Sampled: 14-Jul-09 08:20 Received: 15-Jul-09 15:40							
Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	**1.7**	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	**46**	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
Cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	**170**	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	**18**	2.0	"	"	"	"	
Manganese	**5.0**	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	**0.1**	0.1	"	"	"	"	

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ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals by WET Extraction

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 175 -CAM 17 (J907033-05) Soil Sampled: 14-Jul-09 08:20 Received: 15-Jul-09 15:40							
Potassium	14	2.0	mg/L	1	10-Aug-09	6020A / WET	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	0.2	0.1	"	"	"	"	
Zinc	1.3	0.5	"	"	"	"	
WP 178 -CAM 17 (J907033-07) Soil Sampled: 14-Jul-09 08:30 Received: 15-Jul-09 15:40							
Antimony	ND	0.2	mg/L	1	10-Aug-09	6020A / WET	
Arsenic	ND	0.1	"	"	"	"	
Barium	1.9	0.5	"	"	"	"	
Beryllium	ND	0.1	"	"	"	"	
Cadmium	ND	0.1	"	"	"	"	
Calcium	45	2.0	"	"	"	"	
Chromium	ND	0.1	"	"	"	"	
Cobalt	ND	0.1	"	"	"	"	
Copper	ND	0.2	"	"	"	"	
Iron	210	0.5	"	"	"	"	
Lead	ND	0.1	"	"	"	"	
Magnesium	21	2.0	"	"	"	"	
Manganese	6.0	0.5	"	"	"	"	
Mercury	ND	0.01	"	"	"	"	
Molybdenum	ND	0.1	"	"	"	"	
Nickel	0.2	0.1	"	"	"	"	
Potassium	15	2.0	"	"	"	"	
Selenium	ND	0.1	"	"	"	"	
Silver	ND	0.1	"	"	"	"	
Sodium	ND	5.0	"	"	"	"	
Thallium	ND	0.1	"	"	"	"	
Vanadium	0.2	0.1	"	"	"	"	
Zinc	1.5	0.5	"	"	"	"	

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ConAgra Foods Inc.	Project Number: 102-19	
554 S. Yosemite Ave	Project Name: ConAgra Aerated Pond	Work Order No.:
Oakdale, CA 95361	Project Manager: Jeff Schultz	J907033

ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901528 - General Prep										
Blank (J901528-BLK1)				Prepared & Analyzed: 07/30/09						
Chloride	ND	10	mg/kg							
Sulfate	ND	5.0	"							
LCS (J901528-BS1)				Prepared & Analyzed: 07/30/09						
Chloride	23.4		mg/kg	25		94	80-120			
Sulfate	45.0		"	50		90	80-120			
LCS Dup (J901528-BSD1)				Prepared & Analyzed: 07/30/09						
Chloride	24.1		mg/kg	25		96	80-120	3	20	
Sulfate	47.0		"	50		94	80-120	4	20	

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ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals by WET Extraction - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901526 - WET (CA Title 22)										
Blank (J901526-BLK1)				Prepared & Analyzed: 08/10/09						
Antimony	ND	0.2	mg/L							
Arsenic	ND	0.1	"							
Barium	ND	0.5	"							
Beryllium	ND	0.1	"							
Cadmium	ND	0.1	"							
Calcium	ND	2.0	"							
Chromium	ND	0.1	"							
Cobalt	ND	0.1	"							
Copper	ND	0.2	"							
Iron	ND	0.5	"							
Lead	ND	0.1	"							
Magnesium	ND	2.0	"							
Manganese	ND	0.5	"							
Mercury	ND	0.01	"							
Molybdenum	ND	0.1	"							
Nickel	ND	0.1	"							
Potassium	ND	2.0	"							
Selenium	ND	0.1	"							
Silver	ND	0.1	"							
Sodium	ND	5.0	"							
Thallium	ND	0.1	"							
Vanadium	ND	0.1	"							
Zinc	ND	0.5	"							
LCS (J901526-BS1)				Prepared & Analyzed: 08/10/09						
Antimony	9.1		mg/L	10		91	80-120		20	
Arsenic	9.5		"	10		95	80-120		20	
Barium	110		"	100		110	80-120		20	
Beryllium	10.5		"	10		105	80-120		20	
Cadmium	8.8		"	10		88	80-120		20	
Calcium	970		"	1000		97	80-120		20	
Chromium	9.9		"	10		99	80-120		20	
Cobalt	10.7		"	10		107	80-120		20	
Copper	11.5		"	10		115	80-120		20	
Iron	111		"	100		111	80-120		20	
Lead	9.1		"	10		91	80-120		20	
Magnesium	93.0		"	100		93	80-120		20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals by WET Extraction - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901526 - WET (CA Title 22)										
LCS (J901526-BS1)				Prepared & Analyzed: 08/10/09						
Manganese	94.0		mg/L	100		94	80-120		20	
Mercury	0.4		"	0.50		90	80-120		20	
Molybdenum	9.3		"	10		93	80-120		20	
Nickel	8.7		"	10		87	80-120		20	
Potassium	109		"	100		109	80-120		20	
Selenium	8.8		"	10		88	80-120		20	
Silver	8.7		"	10		87	80-120		20	
Sodium	890		"	1000		89	80-120		20	
Thallium	9.1		"	10		91	80-120		20	
Vanadium	10.8		"	10		108	80-120		20	
Zinc	95.0		"	100		95	80-120		20	
LCS Dup (J901526-BSD1)				Prepared & Analyzed: 08/10/09						
Antimony	9.3		mg/L	10		93	80-120	2	20	
Arsenic	8.9		"	10		89	80-120	7	20	
Barium	115		"	100		115	80-120	4	20	
Beryllium	9.7		"	10		97	80-120	8	20	
Cadmium	9.3		"	10		93	80-120	6	20	
Calcium	1030		"	1000		103	80-120	6	20	
Chromium	9.7		"	10		97	80-120	2	20	
Cobalt	11.3		"	10		113	80-120	5	20	
Copper	10.6		"	10		106	80-120	8	20	
Iron	103		"	100		103	80-120	7	20	
Lead	8.8		"	10		88	80-120	3	20	
Magnesium	107		"	100		107	80-120	14	20	
Manganese	99.0		"	100		99	80-120	5	20	
Mercury	0.5		"	0.50		95	80-120	5	20	
Molybdenum	9.7		"	10		97	80-120	4	20	
Nickel	9.6		"	10		96	80-120	10	20	
Potassium	105		"	100		105	80-120	4	20	
Selenium	9.6		"	10		96	80-120	9	20	
Silver	8.5		"	10		85	80-120	2	20	
Sodium	920		"	1000		92	80-120	3	20	
Thallium	10.3		"	10		103	80-120	12	20	
Vanadium	10.3		"	10		103	80-120	5	20	
Zinc	91.0		"	100		91	80-120	4	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-19 Project Name: ConAgra Aerated Pond Project Manager: Jeff Schultz	Work Order No.: J907033

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

28 July 2009

Jeff Schultz
ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

RE: ConAgra Aerated Pond Project Data

Enclosed are the results for sample(s) received on 07/15/09 15:40 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: main@argonlabs.com

Chain of Custody

Project No.	Project Name:	Sampler (Signature)	(Print)
102-19	ConAgra Aerated Pond Soil Sampling		J. Fournie

Sample Identification Number	Date	Time	Water	Soil	Other	Sampling Location	No. of Containers	Parameters: * Complete soil Package - Agricultural	Parameters: ** Additional Tests	Parameters: Metals (as method)	Remarks: Preservative
WP 182-Solids	7/14/09			X			1	X	X		* CEC, NO3, Carbonate, pH, Soluble-Salts, Ca
P182-CAM17	7/14/09			X			1			X	Mg, Na, SAR, Av. P, Ex.K, B, Zn, Mn
WP 181-Solids	7/14/09			X			1	X	X		**Na%, Moisture, TOC, Total N, Buffer pH,
WP 181-CAM17	7/14/09			X			1			X	TDS, Chloride, FDS, TKN
WP 180-Solids	7/14/09			X			1				Quote JM062209DN
WP 179-Solids	7/14/09			X			1	X	X		
WP 179-CAM17	7/14/09			X			1			X	
WP 172 Sludge	7/14/09			X			1	X	X		
WP 172-Solids	7/14/09			X			1	X	X		
WP 172-CAM17	7/14/09			X			1			X	
WP 175-Sludge	7/14/09			X			1	X	X		
WP 175 Solids	7/14/09			X			1	X	X		
WP 175-CAM17	7/14/09			X			1			X	
WP 176-Sludge	7/14/09			X			1	X	X		
WP 176-Solids	7/14/09			X			1	X	X		
WP 176-CAM17	7/14/09			X			1			X	
WP 178-Solids	7/14/09			X			1	X	X		
WP 178-CAM17	7/14/09			X			1			X	

Page _ of _

Report To

Invoice To

Copy To

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
J. Fournie (Print)	7/14/09 17:33	JON SCHUMACHER (Print)	07-14-09 5:35 pm
Company	Dunn Environmental	Company	DENELE
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
(Print)	7/15/09 15:40	(Print)	7/15/09 15:40
Company	DENELE	Company	

Argon Laboratories Sample Receipt Checklist

Client Name: ConAgra Oakdale Date & Time Received: 07/15/05 15:40

Project Name: Aerated Pond Soil Sampling Client Project Number: 102-19

Received By: H.C. Matrix: Water ☐ Soil ☑ Sludge ☐

Sample Carrier: Client ☑ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: J907033

Shipper Container in good condition? N/A____ Yes ☑ No ☐

Samples received in proper containers? Yes ☑ No ☐

Samples received intact? Yes ☑ No ☐

Samples received under refrigeration? Yes ☑ No ☐

Sufficient sample volume for requested tests? Yes ☑ No ☐

Chain of custody present? Yes ☑ No ☐

Samples received within holding time? Yes ☑ No ☐

Chain of Custody signed by all parties? Yes ☑ No ☐

Do samples contain proper preservative? N/A ☑ Yes ☐ No ☐

Chain of Custody matches all sample labels? Yes ☑ No ☐

Do VOA vials contain zero headspace? (None submitted ☑) Yes ☐ No ☐

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.:
J907033

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP 182 -CAM 17	J907033-01	Soil	07/14/09 08:00	07/15/09 15:40
WP 181 -CAM 17	J907033-02	Soil	07/14/09 08:05	07/15/09 15:40
WP 179 -CAM 17	J907033-03	Soil	07/14/09 08:10	07/15/09 15:40
WP 172 -CAM 17	J907033-04	Soil	07/14/09 08:15	07/15/09 15:40
WP 175 -CAM 17	J907033-05	Soil	07/14/09 08:20	07/15/09 15:40
WP 176 -CAM 17	J907033-06	Soil	07/14/09 08:25	07/15/09 15:40
WP 178 -CAM 17	J907033-07	Soil	07/14/09 08:30	07/15/09 15:40

Approved By

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ConAgra Foods Inc. 554 S. Yosemite Ave Oakdale, CA 95361	Project Number: 102-19 Project Name: ConAgra Aerated Pond Project Manager: Jeff Schultz	Work Order No.: J907033

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 182 -CAM 17 (J907033-01) Soil Sampled: 14-Jul-09 08:00 Received: 15-Jul-09 15:40							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	2.3	1.0	"	"	"	"	
Barium	40	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	14	1.0	"	"	"	"	
Cobalt	2.0	1.0	"	"	"	"	
Copper	26	2.0	"	"	"	"	
Lead	2.8	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	15	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	15	1.0	"	"	"	"	
Zinc	43	5.0	"	"	"	"	
WP 181 -CAM 17 (J907033-02) Soil Sampled: 14-Jul-09 08:05 Received: 15-Jul-09 15:40							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	1.7	1.0	"	"	"	"	
Barium	39	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	12	1.0	"	"	"	"	
Cobalt	2.1	1.0	"	"	"	"	
Copper	24	2.0	"	"	"	"	
Lead	2.3	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	11	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	13	1.0	"	"	"	"	
Zinc	39	5.0	"	"	"	"	

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ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 179 -CAM 17 (J907033-03) Soil Sampled: 14-Jul-09 08:10 Received: 15-Jul-09 15:40							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	**1.5**	1.0	"	"	"	"	
Barium	**40**	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	**14**	1.0	"	"	"	"	
Cobalt	**2.3**	1.0	"	"	"	"	
Copper	**26**	2.0	"	"	"	"	
Lead	**3.0**	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	**13**	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	**14**	1.0	"	"	"	"	
Zinc	**45**	5.0	"	"	"	"	
WP 172 -CAM 17 (J907033-04) Soil Sampled: 14-Jul-09 08:15 Received: 15-Jul-09 15:40							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	**1.5**	1.0	"	"	"	"	
Barium	**34**	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	**11**	1.0	"	"	"	"	
Cobalt	**1.9**	1.0	"	"	"	"	
Copper	**23**	2.0	"	"	"	"	
Lead	**2.7**	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	**13**	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	**13**	1.0	"	"	"	"	
Zinc	**42**	5.0	"	"	"	"	

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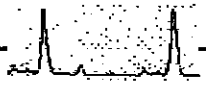

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.:
J907033

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 175 -CAM 17 (J907033-05) Soil Sampled: 14-Jul-09 08:20 Received: 15-Jul-09 15:40							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	1.9	1.0	"	"	"	"	
Barium	48	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	14	1.0	"	"	"	"	
Cobalt	2.3	1.0	"	"	"	"	
Copper	28	2.0	"	"	"	"	
Lead	1.7	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	11	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	12	1.0	"	"	"	"	
Zinc	45	5.0	"	"	"	"	
WP 176 -CAM 17 (J907033-06) Soil Sampled: 14-Jul-09 08:25 Received: 15-Jul-09 15:40							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	1.7	1.0	"	"	"	"	
Barium	68	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	18	1.0	"	"	"	"	
Cobalt	3.0	1.0	"	"	"	"	
Copper	40	2.0	"	"	"	"	
Lead	1.4	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	15	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	17	1.0	"	"	"	"	
Zinc	51	5.0	"	"	"	"	

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
WP 178 -CAM 17 (J907033-07) Soil Sampled: 14-Jul-09 08:30 Received: 15-Jul-09 15:40							
Antimony	ND	2.0	mg/kg	1	23-Jul-09	EPA 6020A	
Arsenic	1.6	1.0	"	"	"	"	
Barium	52	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	18	1.0	"	"	"	"	
Cobalt	2.5	1.0	"	"	"	"	
Copper	30	2.0	"	"	"	"	
Lead	2.5	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	14	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	14	1.0	"	"	"	"	
Zinc	48	5.0	"	"	"	"	

Approved By

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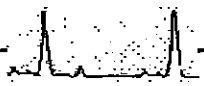

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901393 - 3050B										
Blank (J901393-BLK1)				Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	ND	2.0	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	5.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	1.0	"							
Cobalt	ND	1.0	"							
Copper	ND	2.0	"							
Lead	ND	1.0	"							
Mercury	ND	0.1	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	1.0	"							
Silver	ND	1.0	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	5.0	"							
LCS (J901393-BS1)				Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	9.50		mg/kg	10		95	80-120			
Arsenic	11.1		"	10		111	80-120			
Barium	102		"	100		102	80-120			
Beryllium	9.20		"	10		92	80-120			
Cadmium	9.60		"	10		96	80-120			
Chromium	10.3		"	10		103	80-120			
Cobalt	10.2		"	10		102	80-120			
Copper	10.0		"	10		100	80-120			
Lead	9.60		"	10		96	80-120			
Mercury	0.53		"	0.50		106	80-120			
Molybdenum	10.4		"	10		104	80-120			
Nickel	10.2		"	10		102	80-120			
Selenium	10.0		"	10		100	80-120			
Silver	9.00		"	10		90	80-120			
Thallium	12.7		"	10		127	80-120			
Vanadium	10.0		"	10		100	80-120			
Zinc	94.0		"	100		94	80-120			

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.: J907033

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901393 - 3050B										
LCS Dup (J901393-BSD1)				Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	9.70		mg/kg	10		97	80-120	2	20	
Arsenic	11.0		"	10		110	80-120	0.9	20	
Barium	102		"	100		102	80-120	0	20	
Beryllium	9.20		"	10		92	80-120	0	20	
Cadmium	9.50		"	10		95	80-120	1	20	
Chromium	10.3		"	10		103	80-120	0	20	
Cobalt	10.2		"	10		102	80-120	0	20	
Copper	10.0		"	10		100	80-120	0	20	
Lead	9.60		"	10		96	80-120	0	20	
Mercury	0.51		"	0.50		102	80-120	4	20	
Molybdenum	10.4		"	10		104	80-120	0	20	
Nickel	10.2		"	10		102	80-120	0	20	
Selenium	9.90		"	10		99	80-120	1	20	
Silver	9.00		"	10		90	80-120	0	20	
Thallium	12.8		"	10		128	80-120	0.8	20	
Vanadium	10.0		"	10		100	80-120	0	20	
Zinc	94.0		"	100		94	80-120	0	20	
Matrix Spike (J901393-MS1)	Source: J907029-01			Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	6.80		mg/kg	10	0.01	68	70-130			
Arsenic	11.9		"	10	0.01	119	70-130			
Barium	82.0		"	100	0.48	82	70-130			
Beryllium	8.50		"	10	ND	85	70-130			
Cadmium	7.90		"	10	0.002	79	70-130			
Chromium	8.35		"	10	0.15	82	70-130			
Cobalt	8.10		"	10	0.02	81	70-130			
Copper	8.90		"	10	0.32	86	70-130			
Lead	7.70		"	10	0.02	77	70-130			
Mercury	0.60		"	0.50	ND	119	70-130			
Molybdenum	8.40		"	10	0.005	84	70-130			
Nickel	8.10		"	10	0.12	80	70-130			
Selenium	8.20		"	10	ND	82	70-130			
Silver	0.00		"	10	ND		70-130			QM-05
Thallium	6.20		"	10	ND	62	70-130			
Vanadium	8.30		"	10	0.12	82	70-130			
Zinc	81.5		"	100	0.47	81	70-130			

Approved By

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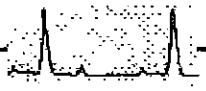

ConAgra Foods Inc.
554 S. Yosemite Ave
Oakdale, CA 95361

Project Number: 102-19
Project Name: ConAgra Aerated Pond
Project Manager: Jeff Schultz

Work Order No.:
J907033

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901393 - 3050B										
Matrix Spike Dup (J901393-MSD1)	Source: J907029-01			Prepared: 07/22/09 Analyzed: 07/23/09						
Antimony	6.70		mg/kg	10	0.01	67	70-130	1	20	
Arsenic	12.1		"	10	0.01	121	70-130	2	20	
Barium	83.0		"	100	0.48	83	70-130	1	20	
Beryllium	8.80		"	10	ND	88	70-130	3	20	
Cadmium	8.10		"	10	0.002	81	70-130	3	20	
Chromium	8.65		"	10	0.15	85	70-130	4	20	
Cobalt	8.30		"	10	0.02	83	70-130	2	20	
Copper	8.90		"	10	0.32	86	70-130	0	20	
Lead	7.90		"	10	0.02	79	70-130	3	20	
Mercury	0.61		"	0.50	ND	122	70-130	2	20	
Molybdenum	8.50		"	10	0.005	85	70-130	1	20	
Nickel	8.30		"	10	0.12	82	70-130	2	20	
Selenium	8.30		"	10	ND	83	70-130	1	20	
Silver	0.00		"	10	ND		70-130		20	QM-05
Thallium	6.20		"	10	ND	62	70-130	0	20	
Vanadium	8.50		"	10	0.12	84	70-130	2	20	
Zinc	87.5		"	100	0.47	87	70-130	7	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

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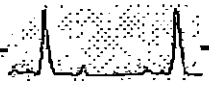

ConAgra Foods Inc.	Project Number: 102-19	
554 S. Yosemite Ave	Project Name: ConAgra Aerated Pond	Work Order No.:
Oakdale, CA 95361	Project Manager: Jeff Schultz	J907033

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratoiy is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

DENELE ANALYTICAL, INC.

1232 South Ave. • Turlock, CA 95380 • Ph. (209) 634-9055 • Fax (209) 634-9057 • www.denelelabs.com

July 20, 2009

Dunn Environmental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado CA 95762

Listed below are the lab results for soil you submitted to our lab to be analyzed:

LAB#	SAMPLE ID	SAR%	BUFFER pH	FDS mg/L
S73994901	6-25 NE CORNER	.16	*	224
S73994902	6-26 SETTLING POND	.45	*	796
S73994903	6-27 SE CORNER	.56	*	412
S73994904	6-27 SW CORNER	.37	*	301
S73994905	6-29 S CENTRAL	.31	*	376
S73994906	6-29 WEST SIDE	.42	*	174
S73994907	6-29 SE SIDE	.47	*	277
S73394908	6-30 EAST SIDE	.36	*	156
S73994909	6-30 SOUTH SIDE	.47	6.7	196
S73994910	6-26 NW CORNER	.59	*	191

* *indicates pH 6.0 or below*

Any questions please do not hesitate to contact us at 209-634-9055. Thank you for choosing Denele Analytical, Inc. as your preferred lab.

Sincerely,

Julie Mormile
Office Manager
Denele Analytical

DENELE ANALYTICAL, INC.

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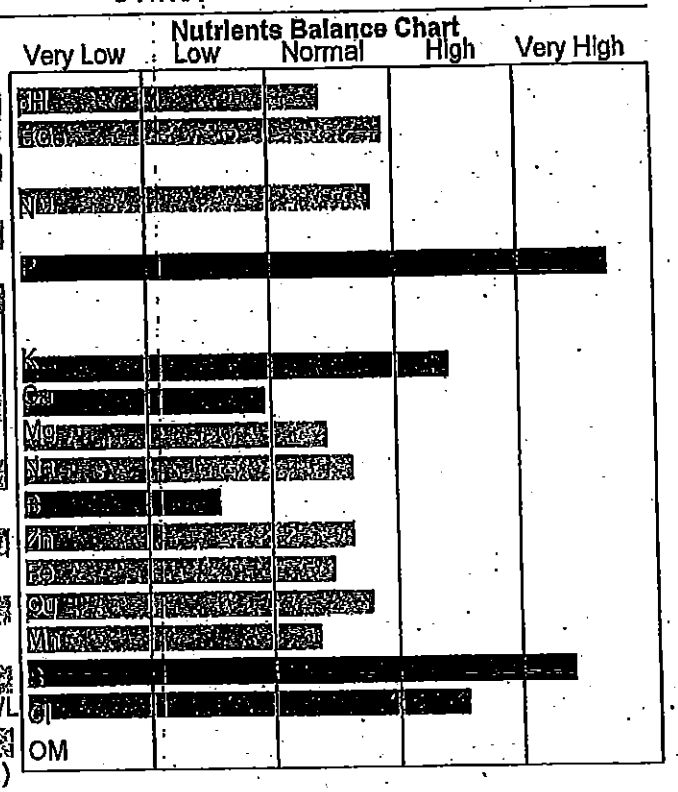
Grower: G000188
Lab # S73994901
Date Received: 7/09/2009
Date Completed: 7/09/2009
Crop: Fallow
Sample ID: **6-25 NE CORNER**

Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

Soil Test Results

pH			6.3	su
E.C.e			1.59	m.mhos
Soluble Salts			1,018	ppm
NO_3 - Nitrate Nitrogen			44	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			98	ppm
POX - Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	8.2	2 - 5 %	348	ppm
Ca - Calcium	56.8	65-80 %	1,230	ppm
Mg - Magnesium	15.3	10-20 %	201	ppm
Na - Sodium	2.9	0 - 5 %	73	ppm
B - Boron			0.15	ppm
Zn - Zinc			16.0	ppm
Fe - Iron			58.0	ppm
Cu - Copper			12.0	ppm
Mn - Manganese			17.0	ppm
SO_4 - Sulfate Sulfur			180	ppm
Cl - Chloride			4.3	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	10.8	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 80% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 297mg/L TN .294% MOIST 59.3% TDS 828mg/L TOC 2.2%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: G000188
Lab # S73994902
Date Received: 7/09/2009
Date Completed: 7/09/2009
Crop: Fallow
Sample ID: **6-26 SETTLING POND**

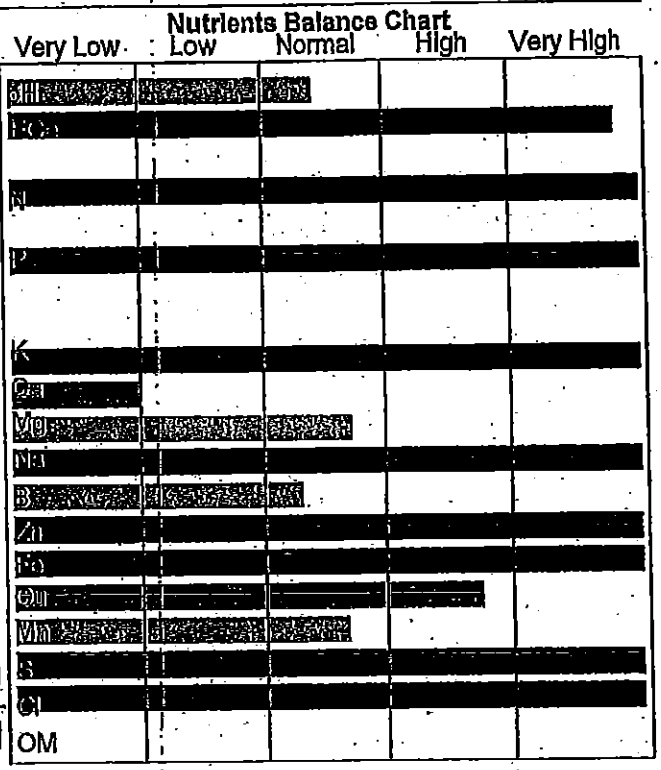
Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

Soil Test Results

pH			6.3	su
E.C.e			6.43	m.mhos
Soluble Salts			4116	ppm
NO_3- Nitrate Nitrogen			340	ppm
NH_4- Ammonium Nitrogen			2	ppm
PO_4- Olsen Phosphorus			125	ppm
PO_4- Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	16.5	2 - 5 %	1,050	ppm
Ca - Calcium	34.9	65-80 %	1,140	ppm
Mg - Magnesium	20.1	10-20 %	398	ppm
Na - Sodium	11.9	0 - 5 %	446	ppm
B - Boron			0.44	ppm
Zn - Zinc			64.0	ppm
Fe - Iron			261.0	ppm
Cu - Copper			26.0	ppm
Mn - Manganese			28.0	ppm
SO_4- Sulfate Sulfur			445	ppm
Cl - Chloride			12.6	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	16.3	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 778mg/L TN 1.12% MOIST 77% TDS 3340mg/L TOC 1.9%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: **G000188**
Lab # S73994903
Date Received: 7/09/2009
Date Completed: 7/09/2009
Crop: Fallow
Sample ID: **6-27 SE CORNER**

Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

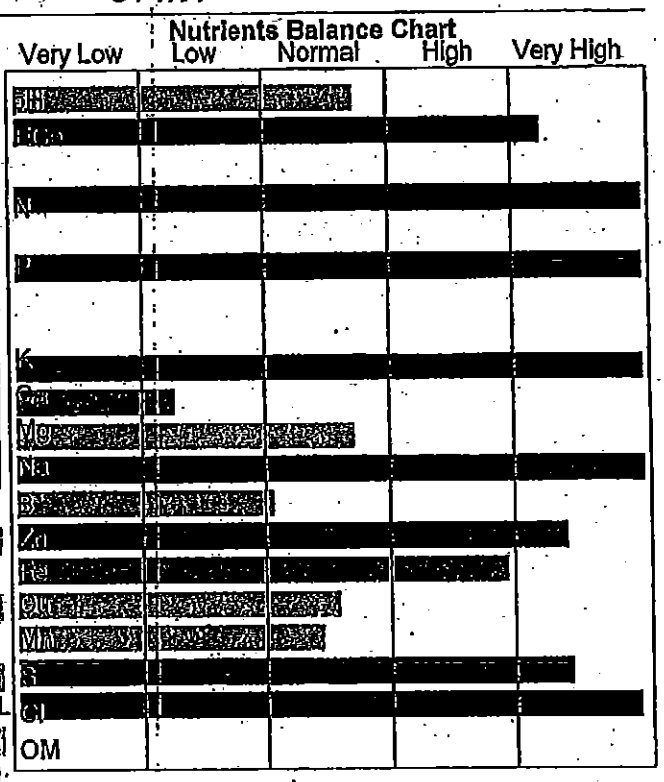
Soil Test Results

pH		6.8	su
E.C.e		4.29	m.mhos
Soluble Salts		2746	ppm
NO_3- Nitrate Nitrogen		220	ppm
NH_4- Ammonium Nitrogen			ppm
PO_4- Olsen Phosphorus		118	ppm
PO_4- Bray Phosphorus			ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	17.1	2 - 5 %	722	ppm
Ca - Calcium	41.1	65-80 %	890	ppm
Mg - Magnesium	19.9	10-20 %	261	ppm
Na - Sodium	12.8	0 - 5 %	318	ppm

B - Boron	0.25	ppm
Zn - Zinc	46.0	ppm
Fe - Iron	174.0	ppm
Cu - Copper	9.6	ppm
Mn - Manganese	20.0	ppm
SO_4- Sulfate Sulfur	185	ppm
Cl - Chloride	9.8	meq/L
Organic Matter	1.2	%
Cation Exchange Capacity	meq/100 gm 10.8	(Est.)
Percolation	High	
Excess Carbonates	None	
Free Lime		
SMP Buffer pH		

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 627mg/L TN .615% MOIST 56.3% TDS 2300mg/L TOC 2.3%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: **G000188**
Lab # S73994904 Variety:
Date Received: 7/09/2009 Acres:
Date Completed: 7/09/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **6-27 SW CORNER**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

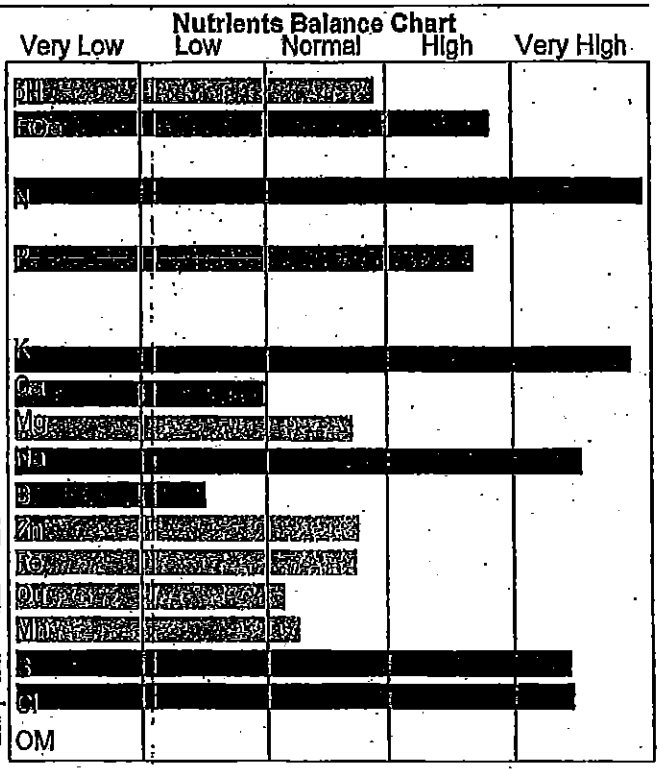
Soil Test Results

pH			7.01	su
E.C.e			3.21	m.mhos
Soluble Salts			2054	ppm
NO_3 - Nitrate Nitrogen			287	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			60	ppm
PO_4 - Bray Phosphorus				ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	14.6	2 - 5 %	323	ppm
Ca - Calcium	57.9	65-80 %	660	ppm
Mg - Magnesium	19.7	10-20 %	136	ppm
Na - Sodium	8.0	0 - 5 %	104	ppm

B - Boron	0.14	ppm
Zn - Zinc	17.0	ppm
Fe - Iron	82.0	ppm
Cu - Copper	9.7	ppm
Mn - Manganese	13.0	ppm
SO_4 - Sulfate Sulfur	180	ppm
Cl - Chloride	7.1	meq/L
Organic Matter		%
Cation Exchange Capacity	meq/100 gm	5.7 (Est.)
Percolation		High
Excess Carbonates		None
Free Lime		
SMP Buffer pH		

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 179mg/L TN .140% MOIST 27.6% TDS 1710mg/L TOC .6%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: G000188
Lab # S73994905 Variety:
Date Received: 7/09/2009 Acres:
Date Completed: 7/09/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **6-29 S CENTRAL**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

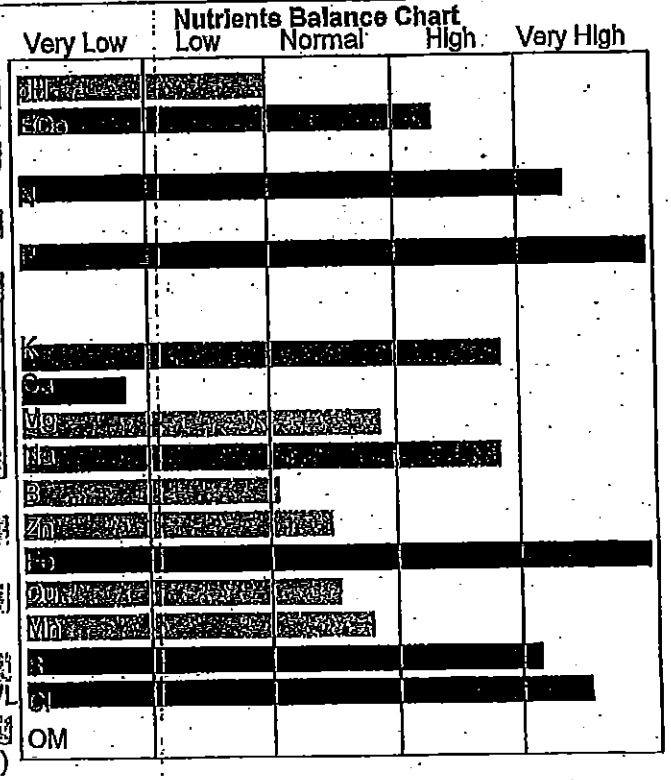
Soil Test Results

pH			5.6	su
E.C.e			2.34	m.mhos
Soluble Salts			1498	ppm
NO_3 - Nitrate Nitrogen			94	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			118	ppm
PO_4 - Bray Phosphorus				ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	9.5	2 - 5 %	481	ppm
Ca - Calcium	29.2	65-80 %	760	ppm
Mg - Magnesium	22.5	10-20 %	355	ppm
Na - Sodium	6.6	0 - 5 %	165	ppm

B - Boron	0.25	ppm
Zn - Zinc	120.0	ppm
Fe - Iron	239.0	ppm
Cu - Copper	8.9	ppm
Mn - Manganese	32.0	ppm
SO_4 - Sulfate Sulfur	125	ppm
Cl - Chloride	7.6	meq/L
Organic Matter		%
Cation Exchange Capacity	meq/100 gm 13.0	(Est.)
Percolation	High	
Excess Carbonates	None	
Free Lime		
SMP Buffer pH		

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	1/2 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 224mg/L TN .188% MOIST 22.5% TDS 1250mg/L TOC 1.2%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: G000188
Lab # S73994906 Variety:
Date Received: 7/09/2009 Acres:
Date Completed: 7/09/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **6-29 WEST SIDE**

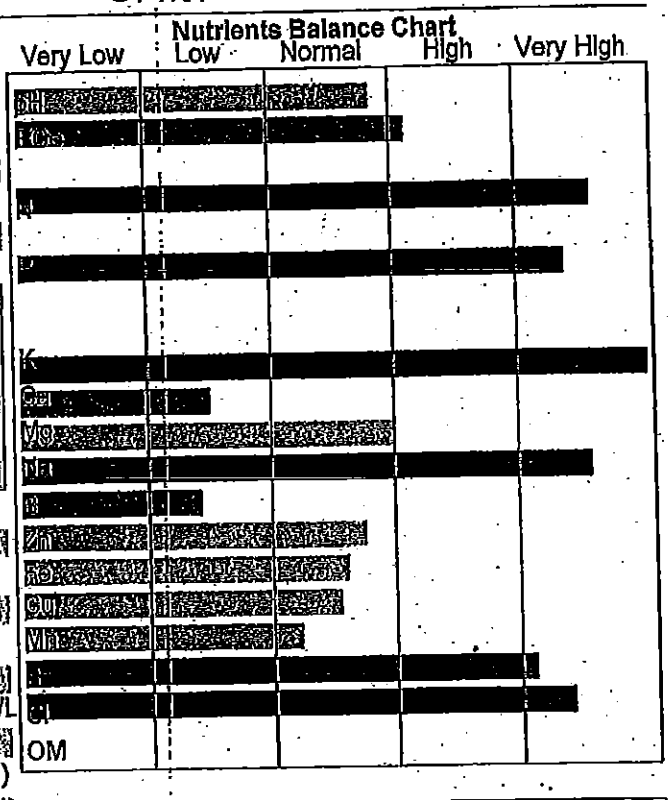
Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

Soil Test Results

pH	7.0	su	
E.C.e	1.98	m.mhos	
Soluble Salts	1267	ppm	
NO_3- Nitrate Nitrogen	102	ppm	
NH_4- Ammonium Nitrogen		ppm	
PO_4- Olsen Phosphorus	84	ppm	
PO_4- Bray Phosphorus		ppm	

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	20.6	2 - 5 %	554	ppm
Ca - Calcium	46.4	65-80 %	640	ppm
Mg - Magnesium	24.9	10-20 %	208	ppm
Na - Sodium	8.2	0 - 5 %	129	ppm

B - Boron	0.13	ppm	
Zn - Zinc	17.0	ppm	
Fe - Iron	70.0	ppm	
Cu - Copper	9.0	ppm	
Mn - Manganese	12.0	ppm	
SO_4 - Sulfate Sulfur	116	ppm	
Cl - Chloride	6.9	meq/L	
Organic Matter		%	
Cation Exchange Capacity	meq/100 gm	6.9	(Est.)
Percolation		High	
Excess Carbonates		None	
Free Lime			
SMP Buffer pH			



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 207mg/L TN .200% MOIST 31.2% TDS 1020mg/L TOC 2.1%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: G000188
Lab # S73994907
Date Received: 7/09/2009
Date Completed: 7/09/2009
Crop: Fallow
Sample ID: **6-29 SE SIDE**

Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G RYKA

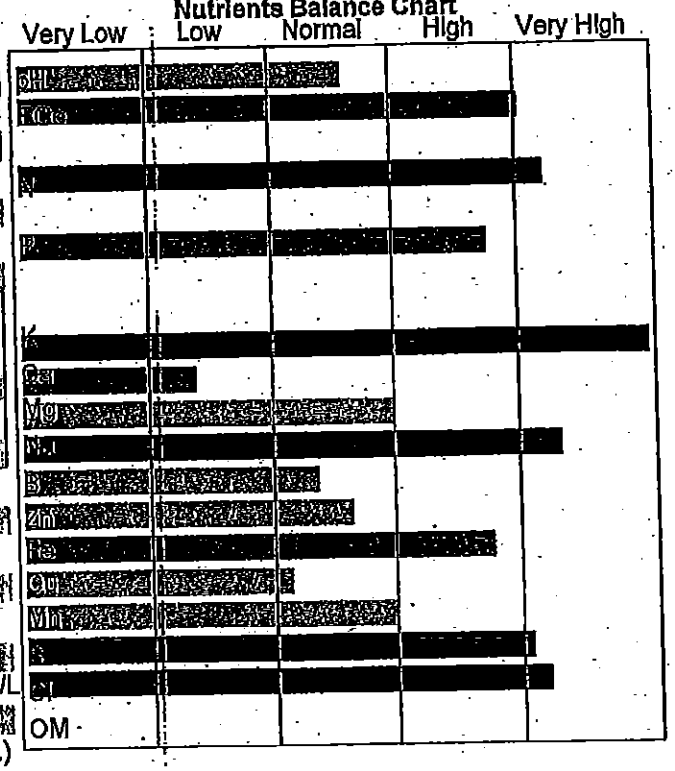
Soil Test Results

pH		6.6	su
E.C.e		3.50	m.mhos
Soluble Salts		2240	ppm
NO_3- Nitrate Nitrogen		87	ppm
NH_4- Ammonium Nitrogen			ppm
PO_4- Olsen Phosphorus		62	ppm
PO_4- Bray Phosphorus			ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	15.4	2 - 5 %	365	ppm
Ca - Calcium	43.7	65-80 %	530	ppm
Mg - Magnesium	24.6	10-20 %	181	ppm
Na - Sodium	7.2	0 - 5 %	100	ppm

B - Boron	0.49	ppm
Zn - Zinc	150	ppm
Fe - Iron	163.0	ppm
Cu - Copper	37	ppm
Mn - Manganese	39.0	ppm
SO_4 - Sulfate Sulfur	110	ppm
Cl - Chloride	6.9	meq/L
Organic Matter		%
Cation Exchange Capacity	meq/100 gm	6.1 (Est.)
Percolation		High
Excess Carbonates		None
Free Lime		
SMP Buffer pH		

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 218mg/L TN .216% MOIST 35% TDS 1810mg/L TOC 1.1%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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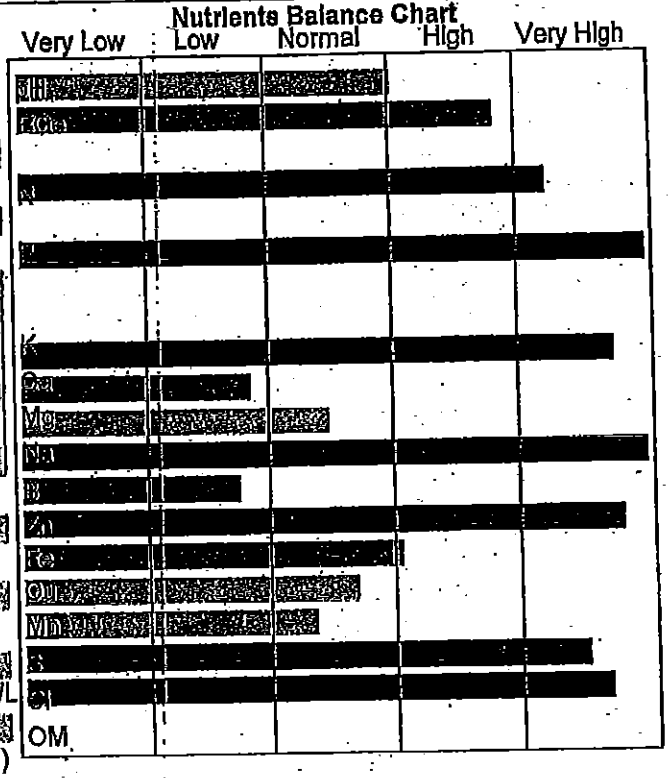
Grower: G000188
Lab # S73994908 Variety:
Date Received: 7/09/2009 Acres:
Date Completed: 7/09/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **6-30 EAST SIDE**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

Soil Test Results

pH			7.3	su
E.C.e			3.09	m.mhos
Soluble Salts			1978	ppm
NO_3- Nitrate Nitrogen			88	ppm
NH_4- Ammonium Nitrogen				ppm
PO_4- Olsen Phosphorus			124	ppm
PO_4- Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	13.6	2 - 5 %	708	ppm
Ca - Calcium	54.5	65-80 %	1450	ppm
Mg - Magnesium	16.2	10-20 %	261	ppm
Na - Sodium	15.7	0 - 5 %	480	ppm
B - Boron			0.17	ppm
Zn - Zinc			55.0	ppm
Fe - Iron			112.0	ppm
Cu - Copper			11.0	ppm
Mn - Manganese			17.0	ppm
SO_4- Sulfate Sulfur			200	ppm
Cl - Chloride			8.4	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	13.3	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	0 Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 941mg/L TN 1.28% MOIST 72.9% TDS 1620mg/L TOC 3.3%

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: G000188
Lab # S73994909
Date Received: 7/09/2009
Date Completed: 7/09/2009
Crop: Fallow
Sample ID: **6-30 SOUTH SIDE**

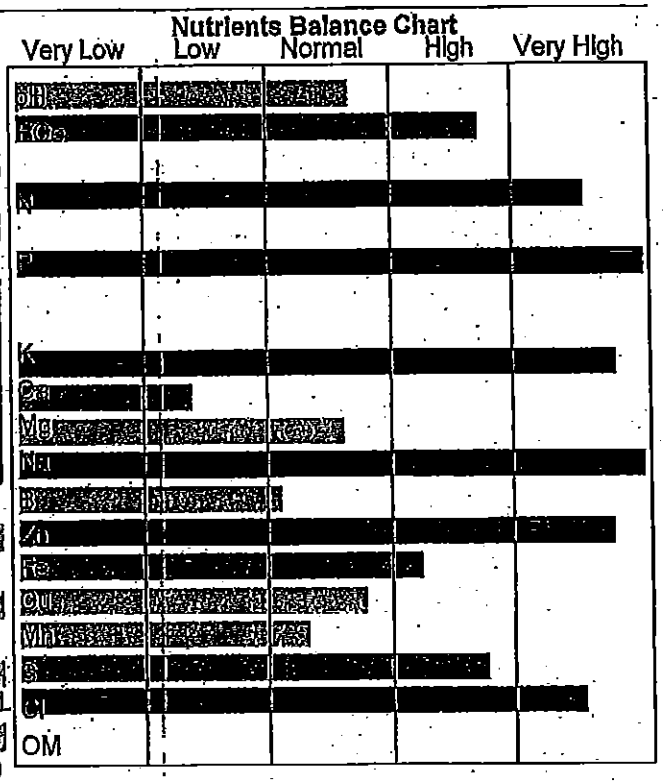
Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

Soil Test Results

pH			6.7	su
E.C.e			2.98	m.mhos
Soluble Salts			1907	ppm
NO_3- Nitrate Nitrogen			101.	ppm
NH_4- Ammonium Nitrogen				ppm
PO_4- Olsen Phosphorus			119	ppm
PO_4- Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	13.9	2 - 5 %	729	ppm
Ca - Calcium	44.2	65-80 %	1,190	ppm
Mg - Magnesium	18.2	10-20 %	297	ppm
Na - Sodium	14.6	0 - 5 %	461	ppm
B - Boron			0.28	ppm
Zn - Zinc			54.0	ppm
Fe - Iron			125.0	ppm
Cu - Copper			12.0	ppm
Mn - Manganese			15.0	ppm
SO_4- Sulfate Sulfur			90.	ppm
Cl - Chloride			7.6	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	13.4	(Est.)
Percolation			None	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 711mg/L TN .827% MOIST 68.4% TDS 1540mg/L TOC 2.7%

Reviewed/Approved by: JOSHUA HUOT

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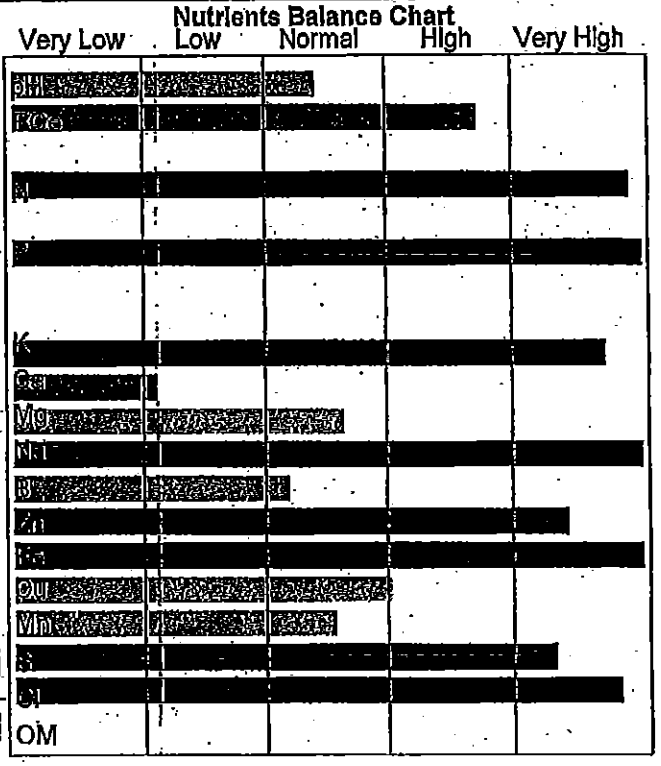
Grower: G000188
Lab # S73994910 Variety:
Date Received: 7/09/2009 Acres:
Date Completed: 7/09/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **6-26 NW CORNER**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
G PYKA

Soil Test Results

pH			6.3	su
E.C.e			2.92	m.mhos
Soluble Salts			1869	ppm
NO_3 - Nitrate Nitrogen			116	ppm
NH_4 - Ammonium Nitrogen			1.1	ppm
PO_4 - Olsen Phosphorus			122	ppm
PO_4 - Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	13.6	2 - 5 %	661	ppm
Ca - Calcium	37.8	65-80 %	950	ppm
Mg - Magnesium	18.8	10-20 %	286	ppm
Na - Sodium	13.2	0 - 5 %	384	ppm
B - Boron			0.35	ppm
Zn - Zinc			48.0	ppm
Fe - Iron			226.0	ppm
Cu - Copper			15.0	ppm
Mn - Manganese			24.0	ppm
SO_4 - Sulfate Sulfur			1604	ppm
Cl - Chloride			9.1	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	12.5	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	0 Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TKN 616mg/L TN .717% MOIST 62% TDS 1510mg/L TOC 2.8%

Reviewed/Approved by: JOSHUA HUOT

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Grower: **DC CLarifier**
Lab # S74054601 Variety:
Date Received: 8/12/2009 Acres:
Date Completed: 8/12/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **KM-1 Ag**

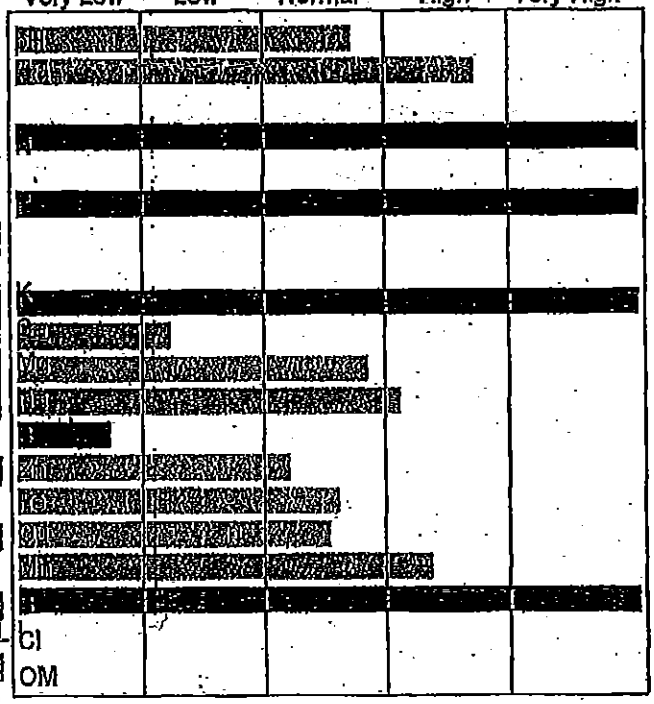
Submitted By:
Con Agra Foods
554 S. Yosemite

Oakdale, CA 95361
Geoff Pyka

Soil Test Results

		Base Saturation % Yours	Optimum	Ammonium Acetate	
pH				6.8	su
E.C.e				2.90	m.mhos
Soluble Salts				1987.2	ppm
NO_3 - Nitrate Nitrogen				141	ppm
NH_4 - Ammonium Nitrogen				3.5	ppm
PO_4 - Olsen Phosphorus				125	ppm
P - Bray Phosphorus				7.0	ppm
K	- Potassium	24.7	2 - 5 %	2,580	ppm
Ca	- Calcium	40.5	65-80 %	2,170	ppm
Mg	- Magnesium	22.1	10-20 %	719	ppm
Na	- Sodium	3.7	0 - 5 %	229	ppm
B	- Boron			0.06	ppm
Zn	- Zinc			6.8	ppm
Fe	- Iron			70.0	ppm
Cu	- Copper			5.5	ppm
Mn	- Manganese			54.0	ppm
SO_4	- Sulfate Sulfur			430	ppm
Cl	- Chloride				meq/l
Organic Matter				1.2	%
Cation Exchange Capacity				meq/100 gm 26.8	(Est.)
Percolation				High	
Excess Carbonates				None	
Free Lime					
SMP Buffer pH					

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	P2O5	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	0 Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

Reviewed/Approved by: JOSHUA HUOT

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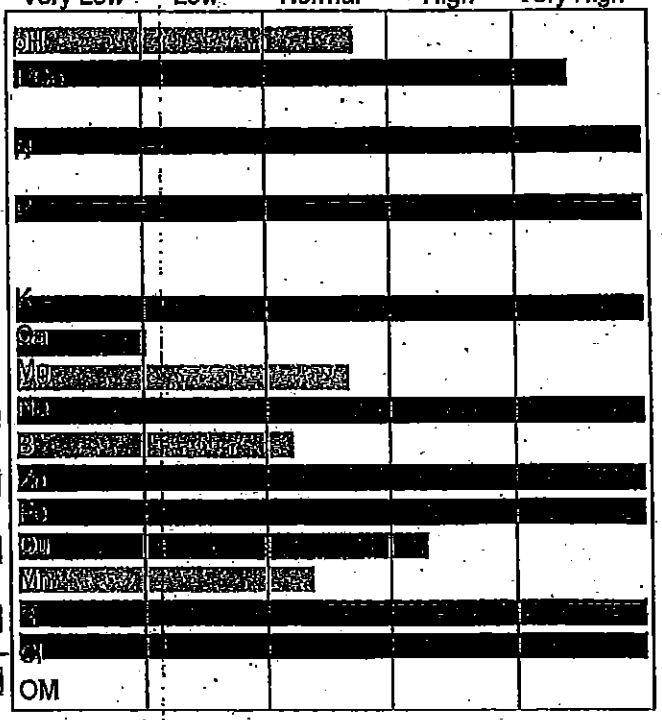
Grower: **102-19**
Lab # S74015308 Variety:
Date Received: 7/22/2009 Acres:
Date Completed: 7/22/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **WP175-Solids**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
J. FOURIE

Soil Test Results

pH			6.8	su
E.C.e			5.06	m.mhos
Soluble Salts			3266	ppm
NO_3- Nitrate Nitrogen			298	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			330	ppm
PO_4 - Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	18.7	2 - 5 %	990	ppm
Ca - Calcium	35.7	65-80 %	970	ppm
Mg - Magnesium	19.3	10-20 %	318	ppm
Na - Sodium	17.3	0 - 5 %	540	ppm
B - Boron			0.36	ppm
Zn - Zinc			0.10	ppm
Fe - Iron			244.0	ppm
Cu - Copper			1.10	ppm
Mn - Manganese			17.0	ppm
SO4 - Sulfate Sulfur			326	ppm
Cl - Chloride			13.2	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	13.6	(Est.)
Reaction			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 4.3% TN 3.01 FDS 766 MOIST 77.5% TDS 2630 mg/L TKN 8850

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: **102-19**
Lab # S74015309 Variety:
Date Received: 7/22/2009 Acres:
Date Completed: 7/22/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **WP176-Sludge**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2.
El Dorado Hills, CA 95762
J. FOURIE

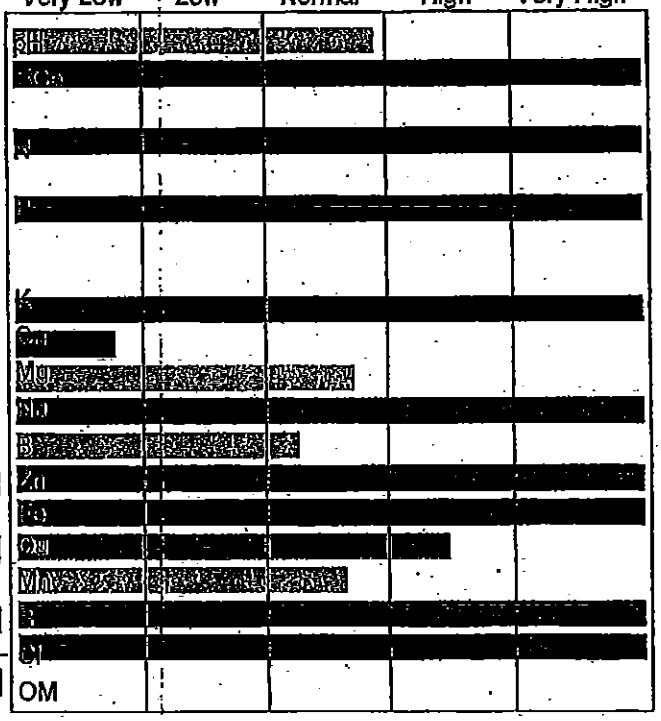
Soil Test Results

pH	7.1	su	
E.C.e	7.49	m.mhos	
Soluble Salts	4,794	ppm	
NO_3- Nitrate Nitrogen	410	ppm	
NH_4- Ammonium Nitrogen		ppm	
PO_4- Olsen Phosphorus	515	ppm	
PO_4- Bray Phosphorus		ppm	

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	22.7	2 - 5 %	2,280	ppm
Ca - Calcium	27.6	65-80 %	1,420	ppm
Mg - Magnesium	20.1	10-20 %	628	ppm
Na - Sodium	29.6	0 - 5 %	1,750	ppm

B - Boron	0.41	ppm	
Zn - Zinc	14.10	ppm	
Fe - Iron	294.0	ppm	
Cu - Copper	22.0	ppm	
Mn - Manganese	27.0	ppm	
SO_4 - Sulfate Sulfur	360	ppm	
Cl - Chloride	27.1	meq/L	
Organic Matter		%	
Cation Exchange Capacity	meq/100 gm	25.7	(Est.)
Percolation		Low	
Excess Carbonates		None	
Free Lime			
SMP Buffer pH			

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 4.9% TN .98 FDS 1040 MOIST 96.2% TDS 3760 mg/L TKN 6940

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: **102-19**
Lab # S74015310
Date Received: 7/22/2009
Date Completed: 7/22/2009
Crop: Fallow
Sample ID: **WP176-Solids**

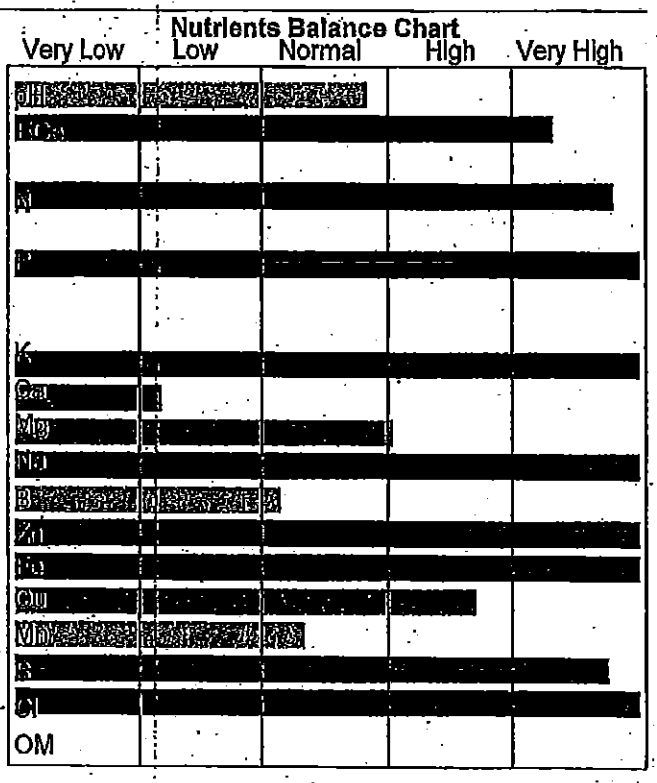
Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
J. FOURIE

Soil Test Results

pH			7.0	su
E.C.e			4.72	m.mhos
Soluble Salts			3021	ppm
NO_3 - Nitrate Nitrogen			112	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			131	ppm
PO_4 - Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	18.8	2 - 5 %	831	ppm
Ca - Calcium	39.3	65-80 %	890	ppm
Mg - Magnesium	25.1	10-20 %	345	ppm
Na - Sodium	16.9	0 - 5 %	438	ppm
B - Boron			0.31	ppm
Zn - Zinc			85.0	ppm
Fe - Iron			238.0	ppm
Cu - Copper			25.01	ppm
Mn - Manganese			16.0	ppm
SO_4 - Sulfate Sulfur			250	ppm
Cl - Chloride			12.2	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	11.3	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	0 Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 3.5% TN 1.18 FDS 617 MOIST 76.7% TDS 2460 mg/L TKN 9460

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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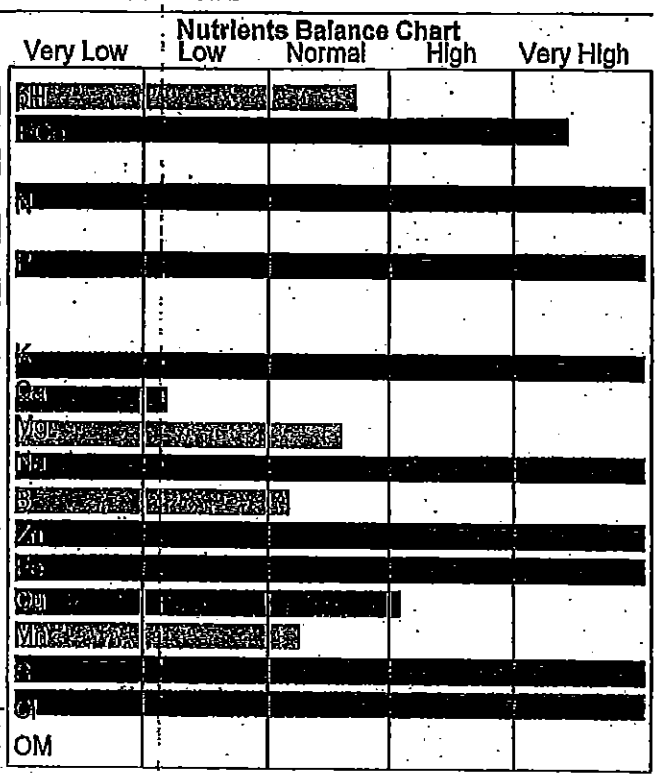
Grower: 102-19
Lab # S74015311 Variety:
Date Received: 7/22/2009 Acres:
Date Completed: 7/22/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **WP178-Solids**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
J. FOURIE

Soil Test Results

pH			6.8	su
E.C.e			4.89	m.mhos
Soluble Salts			3130	ppm
NO_3 - Nitrate Nitrogen			152	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			128	ppm
PO_4 - Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	16.7	2 - 5 %	832	ppm
Ca - Calcium	39.7	65-80%	1010	ppm
Mg - Magnesium	18.1	10-20 %	279	ppm
Na - Sodium	16.4	0 - 5%	479	ppm
B - Boron			0.33	ppm
Zn - Zinc			66.0	ppm
Fe - Iron			217.0	ppm
Cu - Copper			16.0	ppm
Mn - Manganese			13.0	ppm
SO_4 - Sulfate Sulfur			370	ppm
Cl - Chloride			11.9	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	12.7	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 3.7% TN 1.17 FDS 702 MOIST 72.9% TDS 2540 mg/L TKN 7950

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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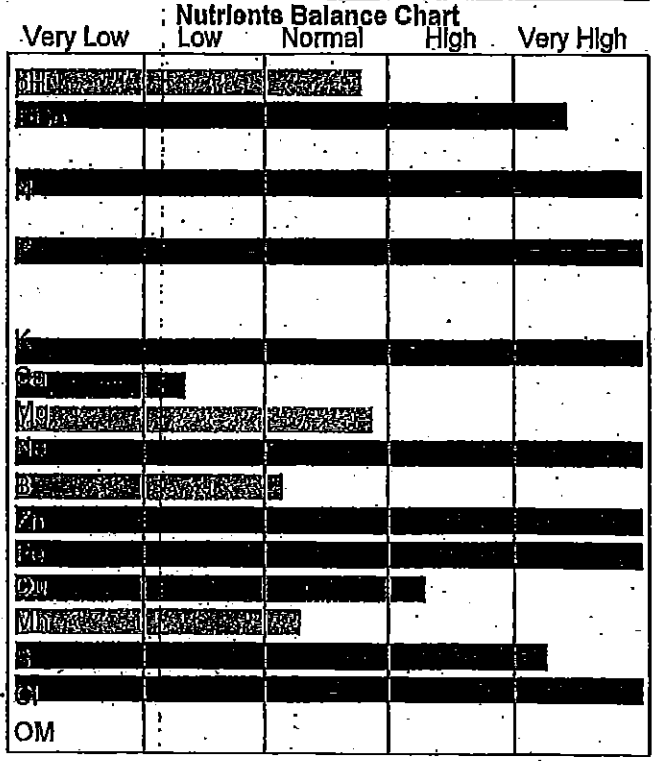
Grower: 102-19
Lab # S74015304 Variety:
Date Received: 7/22/2009 Acres:
Date Completed: 7/22/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **WP179-Solids**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
J. FOURIE

Soil Test Results

pH			6.9	su
E.C.e			6.05	m.mhos
Soluble Salts			3,232	ppm
NO_3 - Nitrate Nitrogen			214	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			380	ppm
PO_4 - Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	17.5	2 - 5 %	937	ppm
Ca - Calcium	46.0	65-80 %	1,180	ppm
Mg - Magnesium	22.4	10-20 %	373	ppm
Na - Sodium	17.0	0 - 5 %	536	ppm
B - Boron			0.31	ppm
Zn - Zinc			88.0	ppm
Fe - Iron			231.0	ppm
Cu - Copper			19.0	ppm
Mn - Manganese			14.0	ppm
SO_4 - Sulfate Sulfur			145	ppm
Cl - Chloride			14.1	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	13.7	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 80% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 4.3% TN 1.51 FDS 941 MOIST 79.3% TDS 2650 mg/L TKN 11200

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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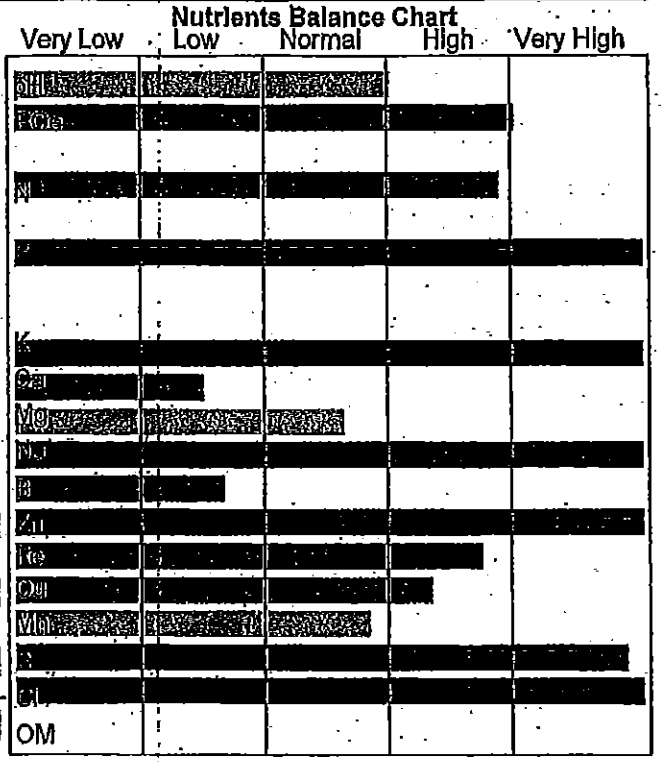
Grower: **102-19**
Lab # S74015303 Variety:
Date Received: 7/22/2009 Acres:
Date Completed: 7/22/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **WP180-Solids**

Submitted By:
Dunn Enviromental Inc.
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
J. FOURIE

Soil Test Results

pH			7.3	su
E.C.e			3.66	m.mhos
Soluble Salts			2,342	ppm
NO_3- Nitrate Nitrogen			76	ppm
NH_4- Ammonium Nitrogen				ppm
PO_4- Olsen Phosphorus			111	ppm
PO_4- Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	20.6	2 - 5 %	1,050	ppm
Ca - Calcium	46.8	65-80 %	1,220	ppm
Mg - Magnesium	18.8	10-20 %	297	ppm
Na - Sodium	13.8	0 - 5 %	413	ppm
B - Boron			0.16	ppm
Zn - Zinc			6.10	ppm
Fe - Iron			161.0	ppm
Cu - Copper			20.0	ppm
Mn - Manganese			34.0	ppm
SO_4- Sulfate Sulfur			276	ppm
Cl - Chloride			12.2	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	13.0	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	1 Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 4.2% TN .95 FDS 610 MOIST 43.1% TDS 1880 mg/L TKN 5712

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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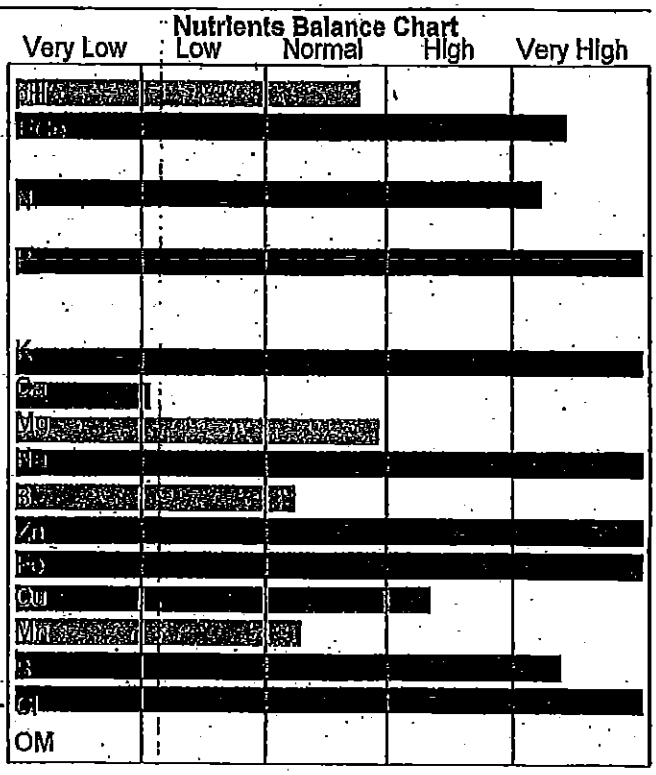
Grower: 102-19
Lab # S74015302 Variety:
Date Received: 7/22/2009 Acres:
Date Completed: 7/22/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **WP181-Solids**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
J. FOURIE

Soil Test Results

pH			6.9	su
E.C.e			4.86	m.mhos
Soluble Salts			3,110	ppm
NO_3- Nitrate Nitrogen			88	ppm
NH_4- Ammonium Nitrogen				ppm
PO_4- Olsen Phosphorus			128	ppm
PO_4- Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	22.1	2 - 5 %	1,020	ppm
Ca - Calcium	36.8	65-80 %	870	ppm
Mg - Magnesium	23.4	10-20 %	336	ppm
Na - Sodium	17.7	0 - 5 %	481	ppm
B - Boron			0.38	ppm
Zn - Zinc			7.60	ppm
Fe - Iron			254.0	ppm
Cu - Copper			2.10	ppm
Mn - Manganese			14.0	ppm
SO_4- Sulfate Sulfur			170	ppm
Cl - Chloride			12.9	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	11.8	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	0 Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 3.6% TN 1.04 FDS 490 MOIST 74% TDS 2550 mg/L TKN 9464

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: 102-19
Lab # S74015301 Variety:
Date Received: 7/22/2009 Acres:
Date Completed: 7/22/2009 Yield: 1 Tons
Crop: Fallow
Sample ID: **WP182-Solids**

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
J. FOURIE

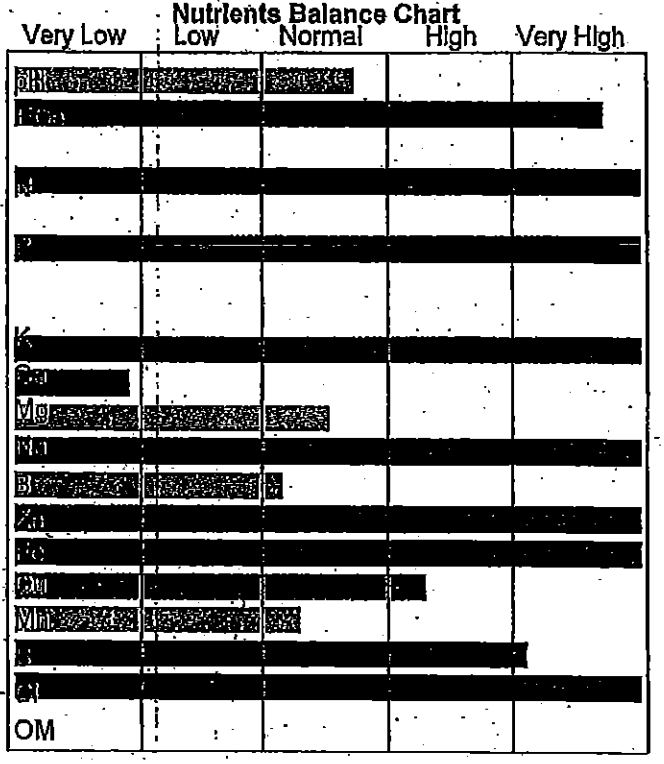
Soil Test Results

pH		6.8	su
E.C.e		5.80	m.mhos
Soluble Salts		3712	ppm
NO_3- Nitrate Nitrogen		161	ppm
NH_4- Ammonium Nitrogen			ppm
PO_4- Olsen Phosphorus		345	ppm
PO_4- Bray Phosphorus			ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	19.5	2 - 5 %	1,230	ppm
Ca - Calcium	31.9	65-80%	1,030	ppm
Mg - Magnesium	16.8	10-20 %	330	ppm
Na - Sodium	22.7	0 - 5 %	840	ppm

B - Boron	0.32	ppm
Zn - Zinc	18.0	ppm
Fe - Iron	249.0	ppm
Cu - Copper	19.0	ppm
Mn - Manganese	14.0	ppm
SO_4- Sulfate Sulfur	115	ppm
Cl - Chloride	15.1	meq/L
Organic Matter		%
Cation Exchange Capacity	meq/100 gm 16.1	(Est.)
Percolation	High	
Excess Carbonates	None	
Free Lime		
SMP Buffer pH		

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	0 Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

TOC 4.2% TN 1.23 FDS 876 MOIST 84.8% TDS 3070 mg/L TKN 11704

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: 102-19
Lab # S74017103
Date Received: 7/22/2009
Date Completed: 7/22/2009
Crop: Fallow
Sample ID: **WP183 SOLIDS**

Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
MAX MARCHOL

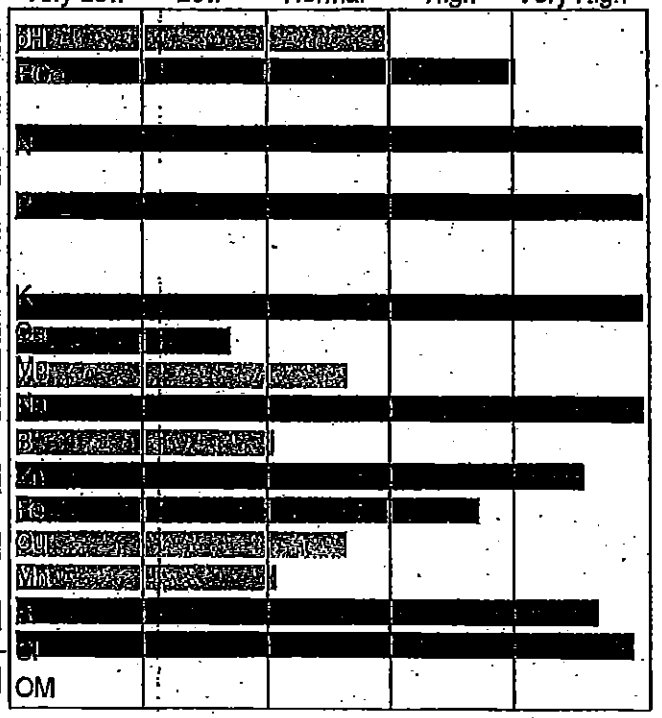
Soil Test Results

pH			7.2	su
E.C.e			3.53	m.mhos
Soluble Salts			2269	ppm
NO_3 - Nitrate Nitrogen			155	ppm
NH_4 - Ammonium Nitrogen				ppm
PO_4 - Olsen Phosphorus			118	ppm
PO_4 - Bray Phosphorus				ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	17.5	2 - 5 %	567	ppm
Ca - Calcium	51.2	65-80 %	850	ppm
Mg - Magnesium	18.8	10-20 %	189	ppm
Na - Sodium	12.6	0 - 5 %	240	ppm

B - Boron		0.23	ppm
Zn - Zinc		48.0	ppm
Fe - Iron		158.0	ppm
Cu - Copper		10.0	ppm
Mn - Manganese		6.3	ppm
SO_4 - Sulfate Sulfur		225	ppm
Cl - Chloride		9.6	meq/L
Organic Matter			%
Cation Exchange Capacity	meq/100 gm	8.3	(Est.)
Percolation		High	
Excess Carbonates		None	
Free Lime			
SMP Buffer pH			

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

FDS 326 TN .72 MOIST 62.3% TDS 1810 mg/L TOC 2.6% TKN 5090

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: 102-19
Lab # S74017102
Date Received: 7/22/2009
Date Completed: 7/22/2009
Crop: Fallow
Sample ID: **WP183 SLUDGE**

Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
MAX MARCHOL

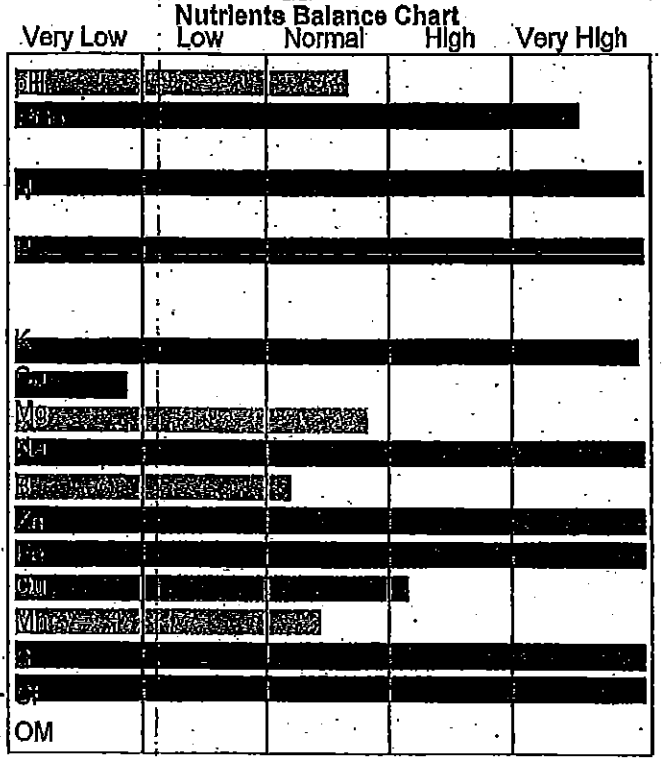
Soil Test Results

pH			6.7	SU
E.C.e			5.20	m.mhos
Soluble Salts			3328	ppm
NO_3- Nitrate Nitrogen			276	ppm
NH_4- Ammonium Nitrogen				ppm
PO_4- Olsen Phosphorus			415	ppm
PO_4- Bray Phosphorus				ppm

	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	14.8	2 - 5 %	907	ppm
Ca - Calcium	31.2	65-80 %	980	ppm
Mg - Magnesium	21.6	10-20 %	411	ppm
Na - Sodium	23.3	0 - 5 %	840	ppm

B - Boron	0.34	ppm
Zn - Zinc	6710	ppm
Fe - Iron	238.0	ppm
Cu - Copper	17.0	ppm
Mn - Manganese	19.0	ppm
SO_4- Sulfate Sulfur	500	ppm
Cl - Chloride	15.1	meq/L
Organic Matter		%
Cation Exchange Capacity	meq/100 gm	15.7 (Est.)
Percolation		High
Excess Carbonates	None	
Free Lime		
SMP Buffer pH		

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:

The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

FDS 581 TN 1.38 MOIST 85.7% TDS 2730 mg/L TOC 3.7% TKN 8740

Reviewed/Approved by: JOSHUA HUOT

DENELE ANALYTICAL, INC.

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Grower: 102-19
Lab # S74017101
Date Received: 7/22/2009
Date Completed: 7/22/2009
Crop: Fallow
Sample ID: **WP187**

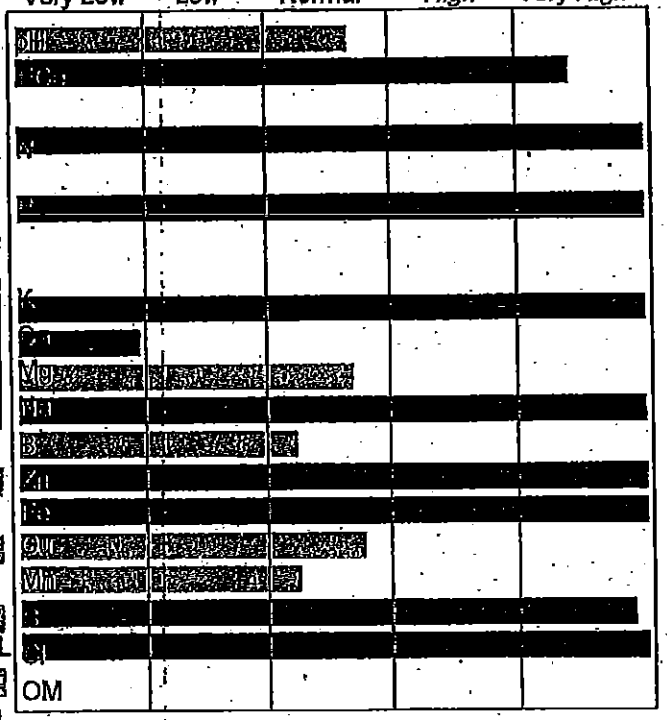
Variety:
Acres:
Yield: 1 Tons

Submitted By:
Dunn Enviromental Inc
5060 Robert J Matthews Parkway
Suite 2
El Dorado Hills, CA 95762
MAX MARCHOL

Soil Test Results

pH			6.7	su
E.C.e			4.73	m.mhos
Soluble Salts			3,027	ppm
NO_3- Nitrate Nitrogen			189	ppm
NH_4- Ammonium Nitrogen			7.0	ppm
PO_4- Olsen Phosphorus			128	ppm
PO_4- Bray Phosphorus				ppm
	Base Saturation % Yours	Optimum	Ammonium Acetate	
K - Potassium	18.7	2 - 5 %	1,010	ppm
Ca - Calcium	33.5	65-80 %	930	ppm
Mg - Magnesium	19.6	10-20 %	330	ppm
Na - Sodium	19.1	0 - 5 %	1,606	ppm
B - Boron			0.38	ppm
Zn - Zinc			72.0	ppm
Fe - Iron			206.0	ppm
Cu - Copper			12.0	ppm
Mn - Manganese			13.0	ppm
SO_4- Sulfate Sulfur			280	ppm
Cl - Chloride			13.9	meq/L
Organic Matter				%
Cation Exchange Capacity		meq/100 gm	13.8	(Est.)
Percolation			High	
Excess Carbonates			None	
Free Lime				
SMP Buffer pH				

Nutrients Balance Chart



Fertilizer Recommendations

N	0 lbs/Acre	S	0 lbs/Acre
P	0 lbs/Acre	B	0 lbs/Acre
K	0 lbs/Acre	Zn	0 lbs/Acre
Cu	0 lbs/Acre	Mn	0 lbs/Acre
Lime	0 Tons/Acre	Gypsum	Tons/Acre

Notes:
The micronutrients recommended are in lbs/acre on a broadcast elemental basis. If micronutrients are banded, divide the recommended value by 3. If chelated fertilizers are used, divide the recommendation by 4.

Research has shown that optimum yields are obtained with Nitrogen split into 2 to 4 applications. Recommended Nitrogen is based on 90% efficiency of application. Highest losses of Nitrogen occur with winter applications. Early Spring to late Summer is the optimum time to apply Nitrogen.

FDS 564 TN 1.27 MOIST 79.3% TDS 2480 mg/L TOC 3.7% TKN 10080

Reviewed/Approved by: JOSHUA HUOT

argon **laboratories**

13 August 2009

Geoff Ryka
ConAgra Foods Inc.
554 S. Yosemite Ave.
Oakdale, CA 95361

RE: ConAgra Oakdale Project Data

Enclosed are the results for sample(s) received on 08/06/09 15:30 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

ARGON LAB

Chain of Custody

Project No.

Project Name:

Sampler (Signature) [signature]

(Print) Geoff PyKA

Page 1 of 1

Report To: Geoff PyKA, geoff.pyka@GarageFactory, 554 S. Yosemite Av, OAKDALE, CA 95361

Sample Identification Number	Date	Time	Water	Soil	Other	Sampling Location	No. of Containers	Complete soil Package - Agricultural	Additional Tests	CAM 17 Metals	Moisture				Remarks:
RM-1	8/6	12:45		x		DS Clarifier	1			X	X				* CEC,NO3,Carbonate,pH,Soluble-Salts, Ca
															Mg, Na, SAR, Av. P, Ex.K, B, Zn, Mn
															**Na%, Moisture, TOC, Total N, Buffer pH,
															TDS, Cloride, FDS, TKN
															Quote JM062209DN
															Denele for the Inorganics.
															Argon for Metals

Preservative (row above the Remarks column)

Invoice To:

Copy To:

Relinquished By: (Signature) (Print)	Date/Time / Company	Received By: (Signature) (Print)	Date/Time / Company
[signature]	8/6 1pm		

Argon Laboratories Sample Receipt Checklist

Client Name: ConAgra Oakdale Date & Time Received: 08/06/09 15:30

Project Name: ConAgra Oakdale Client Project Number: ***

Received By: M.G. Matrix: Water ☐ Soil ☐ Sludge ☑

Sample Carrier: Client ☐ Laboratory ☑ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: J908016

Shipper Container in good condition?	N/A____ Yes ☑	No ☐	Samples received in proper containers?	Yes ☑	No ☐
			Samples received intact?	Yes ☑	No ☐
Samples received under refrigeration?	Yes ☑	No ☐	Sufficient sample volume for requested tests?	Yes ☑	No ☐
Chain of custody present?	Yes ☑	No ☐	Samples received within holding time?	Yes ☑	No ☐
Chain of Custody signed by all parties?	Yes ☑	No ☐	Do samples contain proper preservative? N/A ☑	Yes ☐	No ☐
Chain of Custody matches all sample labels?	Yes ☑	No ☐	Do VOA vials contain zero headspace? (None submitted ☑)	Yes ☐	No ☐

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave.
Oakdale, CA 95361

Project Number: [none]
Project Name: ConAgra Oakdale
Project Manager: Geoff Ryka

Work Order No.:
J908016

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RM-1	J908016-01	Sludge	08/06/09 12:45	08/06/09 15:30

Approved By

gon Laboratories, Inc. California D.O.H.S. Cert. #2359

gon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave.
Oakdale, CA 95361

Project Number: [none]
Project Name: ConAgra Oakdale
Project Manager: Geoff Ryka

Work Order No.:
J908016

ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
RM-1 (J908016-01) Sludge Sampled: 06-Aug-09 12:45 Received: 06-Aug-09 15:30							
% Moisture	85.7	0.1	% by Weight	1	07-Aug-09	ASTM D2216-92	

Approved By

gon Laboratories, Inc. California D.O.H.S. Cert. #2359

gon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave.
Oakdale, CA 95361

Project Number: [none]
Project Name: ConAgra Oakdale
Project Manager: Geoff Ryka

Work Order No.:
J908016

Metals

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
RM-1 (J908016-01) Sludge Sampled: 06-Aug-09 12:45 Received: 06-Aug-09 15:30							
Antimony	ND	2.0	mg/kg	1	11-Aug-09	EPA 6020A	
Arsenic	ND	1.0	"	"	"	"	
Barium	24	5.0	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	
Chromium	7.0	1.0	"	"	"	"	
Cobalt	ND	1.0	"	"	"	"	
Copper	3.6	2.0	"	"	"	"	
Lead	ND	1.0	"	"	"	"	
Mercury	ND	0.1	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	
Nickel	7.8	1.0	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	
Silver	ND	1.0	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	
Vanadium	6.2	1.0	"	"	"	"	
Zinc	9.6	5.0	"	"	"	"	

Approved By

gon Laboratories, Inc. California D.O.H.S. Cert. #2359

2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave.
Oakdale, CA 95361

Project Number: [none]
Project Name: ConAgra Oakdale
Project Manager: Geoff Ryka

Work Order No.: J908016

Organochlorine Pesticides by GC-ECD EPA Method: 8081B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
RM-1 (J908016-01) Sludge Sampled: 06-Aug-09 12:45 Received: 06-Aug-09 15:30							**A-01**
Aldrin	ND	0.50	mg/kg	500	21-Aug-09	EPA 8081B	
alpha-BHC	ND	0.50	"	"	"	"	
beta-BHC	ND	0.50	"	"	"	"	
delta-BHC	ND	0.50	"	"	"	"	
gamma-BHC (Lindane)	ND	0.50	"	"	"	"	
Chlordane (tech)	ND	12	"	"	"	"	
alpha-Chlordane	ND	0.50	"	"	"	"	
gamma-Chlordane	ND	0.50	"	"	"	"	
4,4'-DDD	ND	0.50	"	"	"	"	
4,4'-DDE	ND	0.50	"	"	"	"	
4,4'-DDT	ND	0.50	"	"	"	"	
Dieldrin	ND	0.50	"	"	"	"	
Endosulfan I	ND	0.50	"	"	"	"	
Endosulfan II	ND	0.50	"	"	"	"	
Endosulfan sulfate	ND	0.50	"	"	"	"	
[illegible]drin	ND	0.50	"	"	"	"	
[illegible]rin aldehyde	ND	0.50	"	"	"	"	
Heptachlor	ND	0.50	"	"	"	"	
Heptachlor epoxide	ND	0.50	"	"	"	"	
Methoxychlor	ND	0.50	"	"	"	"	
Toxaphene	ND	25	"	"	"	"	
Surr. Rec.:		*91 %*			"	"	

Approved By

[illegible]rgon Laboratories, Inc. California D.O.H.S. Cert. #2359

2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

ConAgra Foods Inc.
554 S. Yosemite Ave.
Oakdale, CA 95361

Project Number: [none]
Project Name: ConAgra Oakdale
Project Manager: Geoff Ryka

Work Order No.: J908016

ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901510 - General Prep										
Duplicate (J901510-DUP1)	**Source: J908016-01**			Prepared & Analyzed: 08/07/09						
% Moisture	85.7	0.1	% by Weight		85.7			0	20	

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Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901538 - EPA 3050B										
Blank (J901538-BLK1)				Prepared: 08/07/09 Analyzed: 08/11/09						
Antimony	ND	2.0	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	5.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	1.0	"							
Cobalt	ND	1.0	"							
Copper	ND	2.0	"							
Lead	ND	1.0	"							
Mercury	ND	0.1	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	1.0	"							
Silver	ND	1.0	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	5.0	"							
LCS (J901538-BS1)				Prepared: 08/07/09 Analyzed: 08/11/09						
Antimony	10.0		mg/kg	10		100	80-120			
Arsenic	10.6		"	10		106	80-120			
Barium	95.0		"	100		95	80-120			
Beryllium	11.3		"	10		113	80-120			
Cadmium	10.6		"	10		106	80-120			
Chromium	11.8		"	10		118	80-120			
Cobalt	11.1		"	10		111	80-120			
Copper	10.7		"	10		107	80-120			
Lead	10.5		"	10		105	80-120			
Mercury	0.48		"	0.50		97	80-120			
Molybdenum	10.2		"	10		102	80-120			
Nickel	11.1		"	10		111	80-120			
Selenium	10.8		"	10		108	80-120			
Silver	10.2		"	10		102	80-120			
Thallium	10.1		"	10		101	80-120			
Vanadium	11.6		"	10		116	80-120			
Zinc	110		"	100		110	80-120			

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Project Name: ConAgra Oakdale
Project Manager: Geoff Ryka

Work Order No.:
J908016

Metals - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901538 - EPA 3050B										
LCS Dup (J901538-BSD1)				Prepared: 08/07/09 Analyzed: 08/11/09						
Antimony	9.50		mg/kg	10		95	80-120	5	20	
Arsenic	10.2		"	10		102	80-120	4	20	
Barium	90.0		"	100		90	80-120	5	20	
Beryllium	10.7		"	10		107	80-120	5	20	
Cadmium	10.0		"	10		100	80-120	6	20	
Chromium	11.1		"	10		111	80-120	6	20	
Cobalt	10.5		"	10		105	80-120	6	20	
Copper	10.0		"	10		100	80-120	7	20	
Lead	9.90		"	10		99	80-120	6	20	
Mercury	0.46		"	0.50		91	80-120	6	20	
Molybdenum	9.80		"	10		98	80-120	4	20	
Nickel	10.5		"	10		105	80-120	6	20	
Selenium	10.7		"	10		107	80-120	0.9	20	
Silver	9.70		"	10		97	80-120	5	20	
Thallium	9.60		"	10		96	80-120	5	20	
Vanadium	11.0		"	10		110	80-120	5	20	
Zinc	104		"	100		104	80-120	6	20	

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ConAgra Foods Inc.	Project Number: [none]	
554 S. Yosemite Ave.	Project Name: ConAgra Oakdale	Work Order No.:
Oakdale, CA 95361	Project Manager: Geoff Ryka	J908016

Organochlorine Pesticides by GC-ECD EPA Method: 8081B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901921 - EPA 3550B										
Blank (J901921-BLK1)				Prepared: 08/20/09 Analyzed: 08/21/09						
Surrogate: %SS1	*0.103*		*mg/kg*	*0.10*		*103*	*60-140*			
Aldrin	ND	0.001	"							
alpha-BHC	ND	0.001	"							
beta-BHC	ND	0.001	"							
delta-BHC	ND	0.001	"							
gamma-BHC (Lindane)	ND	0.001	"							
Chlordane (tech)	ND	0.025	"							
alpha-Chlordane	ND	0.001	"							
gamma-Chlordane	ND	0.001	"							
4,4'-DDD	ND	0.001	"							
4,4'-DDE	ND	0.001	"							
4,4'-DDT	ND	0.001	"							
ldrin	ND	0.001	"							
dosulfan I	ND	0.001	"							
Endosulfan II	ND	0.001	"							
Endosulfan sulfate	ND	0.001	"							
Endrin	ND	0.001	"							
Endrin aldehyde	ND	0.001	"							
Heptachlor	ND	0.001	"							
Heptachlor epoxide	ND	0.001	"							
Methoxychlor	ND	0.001	"							
Toxaphene	ND	0.050	"							
LCS (J901921-BS1)				Prepared: 08/20/09 Analyzed: 08/21/09						
Aldrin	0.0078		mg/kg	0.010		78	70-130			
gamma-BHC (Lindane)	0.0082		"	0.010		82	70-130			
4,4'-DDT	0.0222		"	0.025		89	70-130			
Dieldrin	0.0215		"	0.025		86	70-130			
Endrin	0.0225		"	0.025		90	70-130			
Heptachlor	0.0091		"	0.010		91	70-130			
LCS Dup (J901921-BSD1)				Prepared: 08/20/09 Analyzed: 08/21/09						
Aldrin	0.0075		mg/kg	0.010		75	70-130	4	20	
gamma-BHC (Lindane)	0.0080		"	0.010		80	70-130	2	20	
4,4'-DDT	0.0205		"	0.025		82	70-130	8	20	
Dieldrin	0.0202		"	0.025		81	70-130	6	20	
Endrin	0.0210		"	0.025		84	70-130	7	20	

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Project Manager: Geoff Ryka

Work Order No.:
J908016

Organochlorine Pesticides by GC-ECD EPA Method: 8081B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch J901921 - EPA 3550B										
LCS Dup (J901921-BSD1)				Prepared: 08/20/09 Analyzed: 08/21/09						
Heptachlor	0.0088		mg/kg	0.010		88	70-130	3	20	

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Project Manager: Geoff Ryka

Work Order No.:
J908016

Notes and Definitions

A-01	Sample diluted due to high organic content.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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