



# JRPeters Laboratory

"Superior horticultural testing since 1947"

6656 Grant Way, Allentown, PA 18106 • Phone: 610-395-7104 • FAX: 610-391-1337 • Toll Free: 1-866-522-5752  
www.jrpeterslab.com

## SOLUTION ANALYSIS

### FERTILIZER

ACCT #	4538109	DATE RECEIVED	12/13/2005
NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/14/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	1
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512583
PHONE	765-496-3710	SAMPLE I. D.	WSLR 50 ppm N
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm .914	Copper	Cu ppm .075
pH	7.07	Zinc	Zn ppm .333
Alkalinity **	ppm 219. *	Molybdenum	Mo ppm .016
Calcium	Ca ppm 109.	Aluminum	Al ppm .000
Magnesium	Mg ppm 36.3	Nitrate	NO <sub>3</sub> -N ppm 42.3
Sodium	Na ppm 16.7	Ammonium	NH <sub>4</sub> -N ppm .000
Chloride	Cl ppm 38.6	Total Nitrogen	N ppm 48.0
Boron	B ppm .141	Phosphorus	P ppm 7.51
Fluoride	F ppm 5.77	Potassium	K ppm 37.5
Urea	K ppm 5.77	P as P2O5	ppm 17.2
Iron	Fe ppm .292	K as K2O	ppm 45.0
Manganese	Mn ppm .210		
Sulfur	S ppm 26.9		

\* Outside of normal range

\*\* Addition of acid or fertilizer to irrigation water may affect alkalinity.

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## SOLUTION ANALYSIS

### FERTILIZER

ACCT #	4538109	DATE RECEIVED	12/13/2005
NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/14/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	1
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512585
PHONE	765-496-3710	SAMPLE I. D.	WSLR 200 ppm N
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm 1.54	Copper	Cu ppm .168
pH	6.76	Zinc	Zn ppm .591
Alkalinity **	ppm 227. *	Molybdenum	Mo ppm .085
Calcium	Ca ppm 142.	Aluminum	Al ppm .000
Magnesium	Mg ppm 47.8	Nitrate	NO <sub>3</sub> -N ppm 118.
Sodium	Na ppm 20.7	Ammonium	NH <sub>4</sub> -N ppm 5.21
Chloride	Cl ppm 30.8	Total Nitrogen	N ppm 151.
Boron	B ppm .219	Phosphorus	P ppm 24.8
Urea	N ppm 28.0	Potassium	K ppm 137.
Iron	Fe ppm .519	P as P2O5	ppm 56.8
Manganese	Mn ppm .479	K as K2O	ppm 164.
Sulfur	S ppm 23.6		

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### FERTILIZER

ACCT #	4538109	DATE RECEIVED	12/13/2005
NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/14/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	1
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512586
PHONE	765-496-3710	SAMPLE I. D.	HGRH siphon 200ppm N
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm 1.54	Copper	Cu ppm .177
pH	6.65	Zinc	Zn ppm .392
Alkalinity **	ppm 238. *	Molybdenum	Mo ppm .073
Calcium	Ca ppm 140.	Aluminum	Al ppm .000
Magnesium	Mg ppm 46.8	Nitrate	NO <sub>3</sub> -N ppm 113.
Sodium	Na ppm 19.3	Ammonium	NH <sub>4</sub> -N ppm 4.70
Chloride	Cl ppm 31.1	Total Nitrogen	N ppm 142.
Boron	B ppm .182	Phosphorus	P ppm 24.5
Fluoride Urea	R ppm 24.6	Potassium	K ppm 133.
Iron	Fe ppm .553	P as P2O5	ppm 56.1
Manganese	Mn ppm .541	K as K2O	ppm 160.
Sulfur	S ppm 21.4		

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## SOLUTION ANALYSIS

WATER

ACCT #	4538109	DATE RECEIVED	12/13/2005
NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/14/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	1
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512580
PHONE	765-496-3710	SAMPLE I. D.	WSLR clear water
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm .650	Copper	Cu ppm .027
pH	7.06	Zinc	Zn ppm .342
Alkalinity	ppm 282. *	Molybdenum	Mo ppm .000
Calcium	Ca ppm 97.1 *	Aluminum	Al ppm .000
Magnesium	Mg ppm 32.1	Nitrate	NO <sub>3</sub> -N ppm 20.0 *
Sodium	Na ppm 12.1	Ammonium	NH <sub>4</sub> -N ppm .000
Chloride	Cl ppm 31.1	Total Nitrogen	N ppm 20.0
Boron	B ppm .018	Phosphorus	P ppm .944
Urea	K ppm .000	Potassium	K ppm 3.04
Iron	Fe ppm .060		
Manganese	Mn ppm .060		
Sulfur	S ppm 20.6		

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## SOLUTION ANALYSIS

WATER

ACCT #	4538109	DATE RECEIVED	12/13/2005
NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/15/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	2
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512582
PHONE	765-496-3710	SAMPLE I. D.	HGRH RO water
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm .010 *	Copper	Cu ppm .000
pH	5.91	Zinc	Zn ppm .000
Alkalinity	ppm 2.61 *	Molybdenum	Mo ppm .000
Calcium	Ca ppm .000 *	Aluminum	Al ppm .000
Magnesium	Mg ppm .000 *	Nitrate	NO <sub>3</sub> -N ppm 2.41
Sodium	Na ppm 1.25	Ammonium	NH <sub>4</sub> -N ppm .130
Chloride	Cl ppm 2.24	Total Nitrogen	N ppm 3.18
Boron	B ppm .004	Phosphorus	P ppm .000
Fluoride	F ppm .640	Potassium	K ppm .000
Urea	N ppm .000		
Iron	Fe ppm .000		
Manganese	Mn ppm .003		
Sulfur	S ppm .047 *		

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## SOLUTION ANALYSIS

### FERTILIZER

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NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/14/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	1
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512584
PHONE	765-496-3710	SAMPLE I. D.	HGRH FERT
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm 1.90	Copper	Cu ppm .165
pH	6.28	Zinc	Zn ppm .832
Alkalinity **	ppm 89.2	Molybdenum	Mo ppm .157
Calcium Ca	ppm 166.	Aluminum	Al ppm .000
Magnesium Mg	ppm 57.2	Nitrate	NO <sub>3</sub> -N ppm 156.
Sodium Na	ppm 13.4	Ammonium	NH <sub>4</sub> -N ppm 16.5
Chloride Cl	ppm 30.4	Total Nitrogen	N ppm 181.
Boron B	ppm .319	Phosphorus	P ppm 29.4
Fluoride	ppm	Potassium	K ppm 163.
XXXXX Urea	ppm 8.66	P as P2O5	ppm 67.3
Iron Fe	ppm 1.70	K as K2O	ppm 196.
Manganese Mn	ppm .918		
Sulfur S	ppm 67.9		

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## SOLUTION ANALYSIS

### WATER

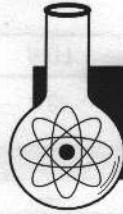
ACCT #	4538109	DATE RECEIVED	12/13/2005
NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/14/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	1
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512579
PHONE	765-496-3710	SAMPLE I. D.	HGRH clear water
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm .654	Copper	Cu ppm .028
pH	7.00	Zinc	Zn ppm .000
Alkalinity	ppm 245. *	Molybdenum	Mo ppm .011
Calcium	Ca ppm 97.3 *	Aluminum	Al ppm .000
Magnesium	Mg ppm 32.5	Nitrate	NO <sub>3</sub> -N ppm 23.1 *
Sodium	Na ppm 11.9	Ammonium	NH <sub>4</sub> -N ppm .000
Chloride	Cl ppm 33.1	Total Nitrogen	N ppm 25.6
Boron	B ppm .021	Phosphorus	P ppm 1.30
<del>Urea</del> Urea	X ppm 2.52	Potassium	K ppm 3.02
Iron	Fe ppm .235		
Manganese	Mn ppm .169		
Sulfur	S ppm 20.5		

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## SOLUTION ANALYSIS

WATER

ACCT #	4538109	DATE RECEIVED	12/13/2005
NAME	Purdue Univ./Horticulture	DATE COMPLETE	12/15/2005
ADDRESS	ATTN: Rob Eddy	TURNAROUND	2
CITY/STATE/ZIP	West Lafayette, IN 47907	LAB I. D.	2512581
PHONE	765-496-3710	SAMPLE I. D.	WSLR RO water
FAX	1-765-494-0391e		

### SAMPLE QUESTIONNAIRE RESPONSE

TEST	RESULTS	TEST	RESULTS
Soluble Salts	mmhos/cm .010 *	Copper	Cu ppm .009
pH	6.24	Zinc	Zn ppm .002
Alkalinity	ppm .000 *	Molybdenum	Mo ppm .000
Calcium	Ca ppm .428 *	Aluminum	Al ppm .000
Magnesium	Mg ppm .000 *	Nitrate	NO <sub>3</sub> -N ppm 2.87
Sodium	Na ppm 1.04	Ammonium	NH <sub>4</sub> -N ppm .000
Chloride	Cl ppm 6.53	Total Nitrogen	N ppm 3.86
Boron	B ppm .010	Phosphorus	P ppm .000
Fluoride	F ppm .960	Potassium	K ppm .019
Urea	X ppm		
Iron	Fe ppm .000		
Manganese	Mn ppm .000		
Sulfur	S ppm .082 *		

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## MEDIA ANALYSIS

ACCT # 4538109  
NAME Purdue Univ./Horticulture  
ADDRESS ATTN: Rob Eddy  
CITY/STATE/ZIP West Lafayette, IN 47907  
PHONE 765-496-3710  
FAX 1-765-494-0391e  
SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
DATE COMPLETE 12/14/2005  
TURNAROUND 1  
LAB I. D. 2512576  
SAMPLE I. D. sunshine mix LA4

TEST	RESULTS	NORMAL RANGE
pH	5.83	5.2 - 6.3
Soluble Salts mmhos/cm	1.72	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	133.	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	28.6	5 - 50
Potassium ppm K	159.	35 - 300
Calcium ppm Ca	81.3	40 - 200
Magnesium ppm Mg	101. H	20 - 100
Sulfur ppm S	138.	50 - 250
Boron ppm B	.031 L	0.05 - 0.5
Iron ppm Fe	.170 L	0.30 - 3.0
Manganese ppm Mn	.165	0.02 - 3.0
Copper ppm Cu	.023	0.001 - 0.5
Zinc ppm Zn	.418	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	.151	N/A
Sodium ppm Na	40.3	N/A
Chlorides ppm Cl	17.4	N/A

H = levels higher than the normal range.

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TEST			RESULTS	NORMAL RANGE
pH			6.35 H	5.2 - 6.3
Soluble Salts	mmhos/cm		2.91	0.75 - 3.5
Nitrate	ppm	NO <sub>3</sub> -N	185. H	35 - 180
Ammonium	ppm	NH <sub>4</sub> -N	.000	0 - 20
Phosphorus	ppm	P	21.2	5 - 50
Potassium	ppm	K	236.	35 - 300
Calcium	ppm	Ca	151.	40 - 200
Magnesium	ppm	Mg	106. H	20 - 100
Sulfur	ppm	S	281. H	50 - 250
Boron	ppm	B	.172	0.05 - 0.5
Iron	ppm	Fe	.370	0.30 - 3.0
Manganese	ppm	Mn	.057	0.02 - 3.0
Copper	ppm	Cu	.030	0.001 - 0.5
Zinc	ppm	Zn	.517	0.30 - 3.0
Molybdenum	ppm	Mo	.007 L	0.01 - 0.1
Aluminum	ppm	Al	.412	N/A
Sodium	ppm	Na	279.	N/A
Chlorides	ppm	Cl	46.8	N/A

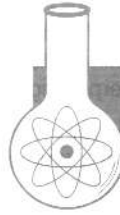
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## MEDIA ANALYSIS

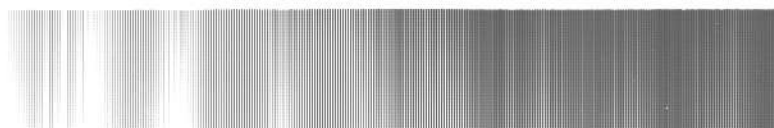
ACCT # 4538109  
NAME Purdue Univ./Horticulture  
ADDRESS ATTN: Rob Eddy  
CITY/STATE/ZIP West Lafayette, IN 47907  
PHONE 765-496-3710  
FAX 1-765-494-0391e  
SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
DATE COMPLETE 12/14/2005  
TURNAROUND 1  
LAB I. D. 2512570  
SAMPLE I. D. ecolite

TEST	RESULTS	NORMAL RANGE
pH	6.49 H	5.2 - 6.3
Soluble Salts mmhos/cm	.138 L	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	25.4 L	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	.338 L	5 - 50
Potassium ppm K	7.23 L	35 - 300
Calcium ppm Ca	2.33 L	40 - 200
Magnesium ppm Mg	.566 L	20 - 100
Sulfur ppm S	4.59 L	50 - 250
Boron ppm B	.000 L	0.05 - 0.5
Iron ppm Fe	.402	0.30 - 3.0
Manganese ppm Mn	.010 L	0.02 - 3.0
Copper ppm Cu	.004	0.001 - 0.5
Zinc ppm Zn	.000 L	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	1.70	N/A
Sodium ppm Na	26.0	N/A
Chlorides ppm Cl	4.25	N/A

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TEST			RESULTS	NORMAL RANGE
pH			10.1 H	5.2 - 6.3
Soluble Salts	mmhos/cm		.095 L	0.75 - 3.5
Nitrate	ppm	NO <sub>3</sub> -N	9.04 L	35 - 180
Ammonium	ppm	NH <sub>4</sub> -N	.000	0 - 20
Phosphorus	ppm	P	.278 L	5 - 50
Potassium	ppm	K	2.20 L	35 - 300
Calcium	ppm	Ca	.330 L	40 - 200
Magnesium	ppm	Mg	2.99 L	20 - 100
Sulfur	ppm	S	3.68 L	50 - 250
Boron	ppm	B	.000 L	0.05 - 0.5
Iron	ppm	Fe	1.30	0.30 - 3.0
Manganese	ppm	Mn	.009 L	0.02 - 3.0
Copper	ppm	Cu	.004	0.001 - 0.5
Zinc	ppm	Zn	.000 L	0.30 - 3.0
Molybdenum	ppm	Mo	.000 L	0.01 - 0.1
Aluminum	ppm	Al	1.55	N/A
Sodium	ppm	Na	26.2	N/A
Chlorides	ppm	Cl	4.54	N/A

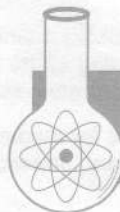
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## MEDIA ANALYSIS

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ADDRESS ATTN: Rob Eddy  
CITY/STATE/ZIP West Lafayette, IN 47907  
PHONE 765-496-3710  
FAX 1-765-494-0391e  
SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
DATE COMPLETE 12/14/2005  
TURNAROUND 1  
LAB I. D. 2512572  
SAMPLE I. D. turface

TEST	RESULTS	NORMAL RANGE
pH	6.77 H	5.2 - 6.3
Soluble Salts mmhos/cm	.707 L	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	9.99 L	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	.232 L	5 - 50
Potassium ppm K	83.9	35 - 300
Calcium ppm Ca	48.4	40 - 200
Magnesium ppm Mg	30.7	20 - 100
Sulfur ppm S	121.	50 - 250
Boron ppm B	.592 H	0.05 - 0.5
Iron ppm Fe	1.39	0.30 - 3.0
Manganese ppm Mn	.506	0.02 - 3.0
Copper ppm Cu	.014	0.001 - 0.5
Zinc ppm Zn	.016 L	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	2.35	N/A
Sodium ppm Na	13.0	N/A
Chlorides ppm Cl	2.91	N/A

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 ADDRESS ATTN: Rob Eddy  
 CITY/STATE/ZIP West Lafayette, IN 47907  
 PHONE 765-496-3710  
 FAX 1-765-494-0391e  
 SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
 DATE COMPLETE 12/14/2005  
 TURNAROUND 1  
 LAB I. D. 2512573  
 SAMPLE I. D. profile

TEST	RESULTS	NORMAL RANGE
pH	6.05	5.2 - 6.3
Soluble Salts mmhos/cm	1.29	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	.000 L	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	.359 L	5 - 50
Potassium ppm K	78.2	35 - 300
Calcium ppm Ca	173.	40 - 200
Magnesium ppm Mg	52.4	20 - 100
Sulfur ppm S	243.	50 - 250
Boron ppm B	.452	0.05 - 0.5
Iron ppm Fe	2.39	0.30 - 3.0
Manganese ppm Mn	.908	0.02 - 3.0
Copper ppm Cu	.005	0.001 - 0.5
Zinc ppm Zn	.012 L	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	3.82	N/A
Sodium ppm Na	21.7	N/A
Chlorides ppm Cl	10.8	N/A

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ADDRESS ATTN: Rob Eddy  
CITY/STATE/ZIP West Lafayette, IN 47907  
PHONE 765-496-3710  
FAX 1-765-494-0391e  
SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
DATE COMPLETE 12/14/2005  
TURNAROUND 1  
LAB I. D. 2512574  
SAMPLE I. D. promix bx

TEST	RESULTS	NORMAL RANGE
pH	6.11	5.2 - 6.3
Soluble Salts mmhos/cm	1.05	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	97.6	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	10.1	5 - 50
Potassium ppm K	58.0	35 - 300
Calcium ppm Ca	120.	40 - 200
Magnesium ppm Mg	28.4	20 - 100
Sulfur ppm S	34.5 L	50 - 250
Boron ppm B	.083	0.05 - 0.5
Iron ppm Fe	.563	0.30 - 3.0
Manganese ppm Mn	.270	0.02 - 3.0
Copper ppm Cu	.019	0.001 - 0.5
Zinc ppm Zn	1.22	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	.149	N/A
Sodium ppm Na	18.4	N/A
Chlorides ppm Cl	9.30	N/A

H = levels higher than the normal range. L = levels lower than the normal range.  
High and Low levels do not necessarily indicate a problem.

☎ Questions about this report? Call for technical assistance at 1-866-522-5752.



# JRPeters Laboratory

"Superior horticultural testing since 1947"

6656 Grant Way, Allentown, PA 18106 • Phone: 610-395-7104 • FAX: 610-391-1337 • Toll Free: 1-866-522-5752  
www.jrpeterslab.com

## MEDIA ANALYSIS

ACCT # 4538109  
NAME Purdue Univ./Horticulture  
ADDRESS ATTN: Rob Eddy  
CITY/STATE/ZIP West Lafayette, IN 47907  
PHONE 765-496-3710  
FAX 1-765-494-0391e  
SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
DATE COMPLETE 12/14/2005  
TURNAROUND 1  
LAB I. D. 2512575  
SAMPLE I. D. redi-earth

TEST	RESULTS	NORMAL RANGE
pH	5.84	5.2 - 6.3
Soluble Salts mmhos/cm	1.76	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	100.	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	17.5	5 - 50
Potassium ppm K	83.3	35 - 300
Calcium ppm Ca	50.1	40 - 200
Magnesium ppm Mg	45.1	20 - 100
Sulfur ppm S	164.	50 - 250
Boron ppm B	.052	0.05 - 0.5
Iron ppm Fe	.591	0.30 - 3.0
Manganese ppm Mn	.109	0.02 - 3.0
Copper ppm Cu	.016	0.001 - 0.5
Zinc ppm Zn	.118 L	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	.284	N/A
Sodium ppm Na	216.	N/A
Chlorides ppm Cl	25.2	N/A

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CITY/STATE/ZIP West Lafayette, IN 47907  
PHONE 765-496-3710  
FAX 1-765-494-0391e  
SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
DATE COMPLETE 12/14/2005  
TURNAROUND 1  
LAB I. D. 2512577  
SAMPLE I. D. promix HP

TEST	RESULTS	NORMAL RANGE
pH	5.61	5.2 - 6.3
Soluble Salts mmhos/cm	1.56	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	173.	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	41.3	5 - 50
Potassium ppm K	82.5	35 - 300
Calcium ppm Ca	204. H	40 - 200
Magnesium ppm Mg	31.6	20 - 100
Sulfur ppm S	53.1	50 - 250
Boron ppm B	.104	0.05 - 0.5
Iron ppm Fe	1.12	0.30 - 3.0
Manganese ppm Mn	.295	0.02 - 3.0
Copper ppm Cu	.026	0.001 - 0.5
Zinc ppm Zn	1.22	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	.198	N/A
Sodium ppm Na	32.5	N/A
Chlorides ppm Cl	10.8	N/A

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ADDRESS ATTN: Rob Eddy  
CITY/STATE/ZIP West Lafayette, IN 47907  
PHONE 765-496-3710  
FAX 1-765-494-0391e  
SAMPLE QUESTIONNAIRE RESPONSE

DATE RECEIVED 12/13/2005  
DATE COMPLETE 12/14/2005  
TURNAROUND 1  
LAB I. D. 2512578  
SAMPLE I. D. promix PGX

TEST	RESULTS	NORMAL RANGE
pH	6.18	5.2 - 6.3
Soluble Salts mmhos/cm	.751	0.75 - 3.5
Nitrate ppm NO <sub>3</sub> -N	103.	35 - 180
Ammonium ppm NH <sub>4</sub> -N	.000	0 - 20
Phosphorus ppm P	1.74 L	5 - 50
Potassium ppm K	57.9	35 - 300
Calcium ppm Ca	60.2	40 - 200
Magnesium ppm Mg	31.8	20 - 100
Sulfur ppm S	23.3 L	50 - 250
Boron ppm B	.101	0.05 - 0.5
Iron ppm Fe	.862	0.30 - 3.0
Manganese ppm Mn	.339	0.02 - 3.0
Copper ppm Cu	.031	0.001 - 0.5
Zinc ppm Zn	.839	0.30 - 3.0
Molybdenum ppm Mo	.000 L	0.01 - 0.1
Aluminum ppm Al	.192	N/A
Sodium ppm Na	13.8	N/A
Chlorides ppm Cl	9.40	N/A

H = levels higher than the normal range. L = levels lower than the normal range.  
High and Low levels do not necessarily indicate a problem.

Questions about this report? Call for technical assistance at 1-866-522-5752.

LAB #010-06  
Date: January 13, 2006

Purdue University Greenhouse Soil Testing Laboratory  
Horticulture and Landscape Architecture Department  
625 Agriculture Mall Drive  
West Lafayette, IN 47907-2010

January 13, 2006  
Phone: 765-494-6619  
FAX: 765-494-0391

Name: Rob Eddy  
HLA

Address:  
City/State/Zip:

Phone No.:  
FAX No.:

Extra Copy to Be Sent To:

E-Mail: [robeddy@purdue.edu](mailto:robeddy@purdue.edu)

Greenhouse Soil Analysis Results

Sample Lab No.	Non-Acid Fert	Acidified Fert	Surface 50%	Osmocote 2X	Optimum Range
pH	7.7	7.6	7.2	6.9	5.7 - 6.5
Soluble Salts	7.5	9.5	6.4	2.60	less than 400
Nitrate (NO <sub>3</sub> )					100-200 ppm
Phosphorus (P)					5-20 ppm
Potassium (K)	2.3	4.4	3.6	1.84	80-160 ppm
Ammonium (NH <sub>4</sub> )					less than 15 ppm

Recommendations: None - Report will not be sent to Dr. Hammer.

YOU WILL BE BILLED AT A LATER DATE- n/c

LAB #003-06

Date: January 9, 2006

Purdue University Greenhouse Soil Testing Laboratory  
Horticulture and Landscape Architecture Department  
625 Agriculture Mall Drive  
West Lafayette, IN 47907-2010

January 9, 2006

Phone: 765-494-6619

FAX: 765-494-0391

Name: Rob Eddy  
HLA

Extra Copy to Be Sent To:

Address: Bill Acct#:04-1165-0000 65003  
City/State/Zip: Bill for 2 soil samples.

Phone No.:  
FAX No.:

E-Mail: robeddy@ purdue.edu

Greenhouse Soil Analysis Results

Sample	Marengo Tank 1 0 hours	Marengo Tank 1 24 hours	Pour-Thru ProMix PG-X Arabadopsis	Pour-Thru Sunshine Arabadopsis	Old Sunshine Mix* Arabadopsis	New Sunshine Mix* Arabadopsis	Optimum Range
Lab No.	1	2	3	4	5	6	
pH	6.3	6.5	7.7	7.4	5.9	6.1	5.7 - 6.5
Soluble Salts	246	439	80	137	183	190	less than 400
Nitrate (NO <sub>3</sub> )					91	76	100-200 ppm
Phosphorus (P)					34.3	27.5	5-20 ppm
Potassium (K)	328	328	30	91	124	100	80-160 ppm
Ammonium (NH <sub>4</sub> )					3.5	10.6	less than 15 ppm

\*72 hour analysis.

Recommendations: Recommendations will be sent at a later time.

YOU WILL BE BILLED AT A LATER DATE

3/25/06