



Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 5 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DR1 0-100	Date Received	18/05/2011
Sample No	B051905-001 / SAG2563		
Crop	DATA ONLY		

Additional Comments

You should consult your local agronomist and/or Yara representative before deciding upon any course of action based on this report.

Please Note

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Analysis Results (SOIL)

Customer DALEYS RD
JV RIPLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Sample Ref D132 0-150
Sample No B051005-002 / SAG2054
Crop DATA ONLY

Date Received 16/05/2011

Analysis	Result
pH [1:120]*	4.0
pH [CaCl ₂]*	4.6
Organic Matter (%)	1.1
CEC (meq/100g)	3.38
EC (dS/m)	0.03
NO ₃ -N* (ppm)	2.4
Phosphorus [Olsen]* (ppm)	3
Potassium* (meq/100g)	0.20
Calcium* (meq/100g)	1.14
Magnesium* (meq/100g)	1.48
Sulphur (ppm)	4
Boron* (ppm)	0.1
Copper (ppm)	< 0.1
Iron (ppm)	31
Manganese (ppm)	2.0
Zinc (ppm)	0.4
Sodium* (meq/100g)	0.1
Aluminium (meq/100g)	0.44
Chloride* (ppm)	15
Ca base saturation (%)	33.7
K base saturation (%)	5.0
Mg base saturation (%)	43.8
Na base saturation (%)	3.6
Al base saturation (%)	13.00
Ca:Mg Ratio	0.8
Aluminium (ppm)	40.0
Sodium (ppm)	20.0
Calcium (ppm)	220.0
Magnesium (ppm)	178.0
Potassium (ppm)	76.0



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Date Printed: 18/05/2011



Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 6 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DR2 0-150	Date Received	16/05/2011
Sample No	B051906-002 / SAG2984		
Crop	DATA ONLY		

Additional Comments

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Analysis Results (SOIL)

Customer DALEYS RD
JW RIPLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Sample Ref DR1 0-100
Sample No B051905-003 / SAG2835
Crop DATA ONLY

Date Received 16/05/2011

Analysis	Result
pH (1:2.0)*	5.0
pH (CaCl2)*	5.2
Organic Matter (%)	0.7
CFC (mg/100g)	1.82
EC (dSm)	0.02
NO3-N* (ppm)	3.7
Phosphorus (Olsen)* (ppm)	8
Potassium* (mg/100g)	0.11
Calcium* (mg/100g)	0.88
Magnesium* (mg/100g)	0.76
Sulphur (ppm)	2
Boron* (ppm)	0.1
Copper (ppm)	< 0.1
Iron (ppm)	44
Manganese (ppm)	0.0
Zinc (ppm)	0.3
Sodium* (mg/100g)	< 0.1
Aluminium (mg/100g)	0.21
Chloride* (ppm)	9
Ca base saturation (%)	37.4
K base saturation (%)	0.0
Mg base saturation (%)	41.8
Na base saturation (%)	3.3
Al base saturation (%)	11.50
Ca/Mg Ratio	0.9
Aluminium (ppm)	19.0
Sodium (ppm)	14.0
Calcium (ppm)	136.0
Magnesium (ppm)	92.0
Potassium (ppm)	43.0



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Date Printed : 16/05/2011



Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 6 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DR4 0-100	Date Received	18/05/2011
Sample No	B051905-003 / SAG2565		
Crop	DATA ONLY		

Additional Comments

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Analysis Results (SOIL)

Customer DALEYS RD
JV RIPLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPLIFF ST
SUNNYSIDE HILLS
QLD

Sample Ref DR5 0-150
Sample No B051905-004 / SAQ2665
Crop DATA ONLY

Date Received 16/05/2011

Analysis	Result
pH (H ₂ O)*	5.7
pH (CaCl ₂)*	5.2
Organic Matter (%)	0.9
CEC (meq/100g)	2.16
EC (dS/m)	0.02
NO ₃ -N* (ppm)	< 1.0
Phosphorus (Olsen)* (ppm)	2
Potassium* (meq/100g)	0.11
Calcium* (meq/100g)	0.98
Magnesium* (meq/100g)	0.84
Sulphur (ppm)	3
Boron* (ppm)	0.1
Copper (ppm)	< 0.1
Iron (ppm)	22
Manganese (ppm)	7.6
Zinc (ppm)	0.3
Sodium* (meq/100g)	< 0.1
Aluminium (meq/100g)	0.19
Chloride* (ppm)	14
Ca base saturation (%)	45.4
K base saturation (%)	5.1
Mg base saturation (%)	38.9
Na base saturation (%)	1.9
Al base saturation (%)	8.83
Ca Mg Ratio	1.2
Aluminium (ppm)	17.0
Sodium (ppm)	9.0
Calcium (ppm)	193.0
Magnesium (ppm)	102.0
Potassium (ppm)	43.0



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Date Printed : 16/05/2011



Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 5 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DR5 0-150	Data Received	18/05/2011
Sample No	D051905-004 / SAG2966		
Crop	DATA ONLY		

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Analysis Results (SOIL)

Customer DALEYS RD
JV RIPLEY

Sample Ref 0127 0-75
Sample No B051003-005 / SAG2907
Crop DATA ONLY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Date Received 16/05/2011

Analysis	Result
pH [1120]*	5.5
pH [CaCl2]*	5.2
Organic Matter (%)	2.1
CFC (mg/100g)	3.83
EC (dSm)	0.03
NO3-N* (ppm)	< 1.0
Phosphorus [Olsen]* (ppm)	4
Potassium* (meq/100g)	0.18
Calcium* (meq/100g)	2.36
Magnesium* (meq/100g)	1.03
Sulphur (ppm)	4
Boron* (ppm)	0.2
Copper (ppm)	< 0.1
Iron (ppm)	48
Manganese (ppm)	10.3
Zinc (ppm)	0.8
Sodium* (meq/100g)	< 0.1
Aluminium (meq/100g)	0.19
Chloride* (ppm)	11
Ca base saturation (%)	61.6
K base saturation (%)	4.7
Mg base saturation (%)	28.9
Na base saturation (%)	1.8
Al base saturation (%)	5.00
Ca:Mg Ratio	2.3
Aluminium (ppm)	17.0
Sodium (ppm)	16.0
Calcium (ppm)	472.0
Magnesium (ppm)	125.0
Potassium (ppm)	70.0



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Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 5 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DK7 0-75	Date Received	18/05/2011
Sample No	B051905-005 / SAG2967		
Crop	DATA ONLY		

Additional Comments

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Analysis Results (SOIL)

Customer DALEYS RD
J.V RIPLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Sample Ref DR1 600-1000
Sample No B051905-008 / SAG2966
Crop DATA ONLY

Date Received 16/05/2011

Analysis	Result
pH (H ₂ O)	7.2
CEC (meq/100g)	14.52
EC (dS/m)	0.04
Potassium* (meq/100g)	0.23
Calcium* (meq/100g)	2.11
Magnesium* (meq/100g)	6.26
Sodium* (meq/100g)	3.6
Aluminium (meq/100g)	0.13
Ca base saturation (%)	14.7
K base saturation (%)	1.8
Mg base saturation (%)	57.7
Na base saturation (%)	26.1
Al base saturation (%)	0.60
Ca:Mg Ratio	0.3
Aluminium (ppm)	12.0
Sodium (ppm)	328.0
Calcium (ppm)	422.0
Magnesium (ppm)	599.0
Potassium (ppm)	90.0

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Analysis Results (SOIL)

Customer DALEYS RD
JV RIPLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Sample Ref DR1 1100-1400
Sample No B051905-007 / SAC2569
Crop DATA ONLY

Date Received 16/05/2011

Analysis	Result
pH (H ₂ O)	7.6
CEC (meq/100g)	9.88
EC (dS/m)	0.01
Potassium* (meq/100g)	0.16
Calcium* (meq/100g)	1.13
Magnesium* (meq/100g)	5.65
Sodium* (meq/100g)	2.6
Aluminium (meq/100g)	0.13
Ca base saturation (%)	11.5
K base saturation (%)	1.0
Mg base saturation (%)	59.9
Na base saturation (%)	26.3
Al base saturation (%)	1.30
Ca:Mg Ratio	0.2
Aluminium (ppm)	12.0
Sodium (ppm)	556.0
Calcium (ppm)	226.0
Magnesium (ppm)	708.0
Potassium (ppm)	83.0

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Date Printed : 16/05/2011



Analysis Results (SOIL)

Customer DALEYS RD
JV RIPLEY

Sample Ref DR2 300-400
Sample No U051905-008 / SAG2970
Crop DATA ONLY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Date Received 16/05/2011

Analysis	Result
pH (1:2.5C)	4.5
CEC (meq/100g)	9.89
EC (dSm)	0.29
Potassium* (meq/100g)	0.20
Calcium* (meq/100g)	0.74
Magnesium* (meq/100g)	5.10
Sodium* (meq/100g)	2.5
Aluminium (meq/100g)	1.28
Ca base saturation (%)	7.5
K base saturation (%)	2.5
Mg base saturation (%)	51.6
Na base saturation (%)	25.2
Al base saturation (%)	12.90
Ca:Mg Ratio	0.2
Aluminium (ppm)	115.0
Sodium (ppm)	573.0
Calcium (ppm)	148.0
Magnesium (ppm)	617.0
Potassium (ppm)	109.0

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Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 5 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DRS 400-600	Date Received	18/05/2011
Sample No	D051906-009 / SAG2871		
Crop	DATA ONLY		

Analysis	Result
pH (H ₂ O)*	5.3
CFC (meq/100g)	5.10
EC (dS/m)	0.05
Potassium* (meq/100g)	0.18
Calcium* (meq/100g)	0.35
Magnesium* (meq/100g)	3.53
Sodium* (meq/100g)	0.8
Aluminium (meq/100g)	0.50
Ca base saturation (%)	6.9
K base saturation (%)	0.1
Mg base saturation (%)	69.2
Na base saturation (%)	11.0
Al base saturation (%)	9.99
Ca:Mg Ratio	0.1
Aluminium (ppm)	45.0
Sodium (ppm)	129.0
Calcium (ppm)	70.0
Magnesium (ppm)	427.0
Potassium (ppm)	63.0

Additional Comments

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Analysis Results (SOIL)

Customer DAI FYS RD
JV RIPLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Sample Ref DR3 1000-1200

Date Received 18/05/2011

Sample No D051905-010 / SAG2972

Crop DATA ONLY

Analysis	Result
pH (1:120 ²)	8.1
CEC (meq/100g)	11.03
EC (dS/m)	0.16
Potassium* (meq/100g)	0.24
Calcium* (meq/100g)	0.20
Magnesium* (meq/100g)	7.88
Sodium* (meq/100g)	2.5
Aluminium (meq/100g)	0.25
Ca base saturation (%)	1.8
K base saturation (%)	2.2
Mg base saturation (%)	71.4
Na base saturation (%)	22.3
Al base saturation (%)	2.30
Ca/Mg Ratio	0
Aluminium (ppm)	23.0
Sodium (ppm)	566.0
Calcium (ppm)	40.0
Magnesium (ppm)	653.0
Potassium (ppm)	94.0

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Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 5 DUNPHY ST SUNNYSIDE HILLS QLD
Sample Ref	DR4 100-800	Date Received	18/05/2011
Sample No	B051905-011 / SAG2873		
Crop	DATA ONLY		

Analysis	Result
pH (H ₂ O)*	5.4
CEC (meq/100g)	1.75
EC (dS/m)	0.03
Potassium* (meq/100g)	0.10
Calcium* (meq/100g)	0.18
Magnesium* (meq/100g)	1.00
Sodium* (meq/100g)	0.2
Aluminium (meq/100g)	0.28
Ca base saturation (%)	10.3
K base saturation (%)	5.7
Mg base saturation (%)	57.1
Na base saturation (%)	10.3
Al base saturation (%)	16.60
Ca:Mg Ratio	0.2
Aluminium (ppm)	25.0
Sodium (ppm)	41.0
Calcium (ppm)	36.0
Magnesium (ppm)	121.0
Potassium (ppm)	39.0

Additional Comments

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Analysis Results (SOIL)

Customer DALEYS RD
JV RIPLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Sample Ref DR4 650-850
Sample No B051905-012 / SAG2874
Crop DATA ONLY

Date Received 16/05/2011

Analysis	Result
pH (-20°C)*	6.5
CFC (meq/100g)	7.65
EC (dS/m)	0.19
Potassium* (meq/100g)	0.13
Calcium* (meq/100g)	0.07
Magnesium* (meq/100g)	5.41
Sodium* (meq/100g)	1.3
Aluminium (meq/100g)	0.20
Ca base saturation (%)	0.9
K base saturation (%)	1.7
Mg base saturation (%)	70.7
Na base saturation (%)	24.1
Al base saturation (%)	2.50
Ca:Mg Ratio	0
Aluminium (ppm)	18.0
Sodium (ppm)	420.0
Calcium (ppm)	14.0
Magnesium (ppm)	655.0
Potassium (ppm)	61.0

Additional Comments

You should consult your local agronomist and/or Yara representative before deciding upon any course of action based on this report.

Please Note

Whilst every care is taken to ensure that the Results from Analysis are as accurate as possible, it is important to note that the analysis relates to the sample received by the laboratory, and is representative only of that sample. No warranty is given by the laboratory that the Results from Analysis relates to any part of a field or growing area not covered by the sample received. It is important to ensure that any soil, leaf, silage or fruit/seed sample sent for analysis is representative of the area requiring analysis and that samples are obtained in accordance with established sampling techniques. A leaflet containing instructions on how to take soil, leaf, herbage, silage and fruit samples for analysis is available from the laboratory on request.

This report has been generated by Yara's MagLab™ software.

This laboratory has been awarded a Certificate of Proficiency for specific soil and plant tissue analyses by the Australian Soil and Plant Analysis Council (AS/PAC). Tests for which proficiency has been demonstrated are highlighted in this report with an asterisk.



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Date Printed: 16/05/2011



Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 5 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DRS 300-600	Date Received	16/05/2011
Sample No	D051906-013 / SAG2975		
Crop	DATA ONLY		

Analysis	Result
pH (H ₂ O)*	7.0
CFC (meq/100g)	8.29
EC (dSm)	0.05
Potassium* (meq/100g)	0.20
Calcium* (meq/100g)	3.05
Magnesium* (meq/100g)	4.25
Sodium* (meq/100g)	0.7
Aluminium (meq/100g)	0.14
Ca base saturation (%)	56.6
K base saturation (%)	2.4
Mg base saturation (%)	51.3
Na base saturation (%)	7.5
Al base saturation (%)	1.70
Ca:Mg Ratio	0.7
Aluminium (ppm)	13.0
Sodium (ppm)	150.0
Calcium (ppm)	610.0
Magnesium (ppm)	514.0
Potassium (ppm)	78.0

Additional Comments

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Date Printed : 18/05/2011



Analysis Results (SOIL)

Customer DALEYS RD
JV RIFLEY

Distributor ENVIRONMENTAL SOIL SOLUTIONS
5 DUNPHY ST
SUNNYBANK HILLS
QLD

Sample Ref DR6 200-300
Sample No B051905-014 / SAG2876
Crop DATA ONLY

Date Received 10/05/2011

Analysis	Result
pH (H ₂ O)*	4.7
CEC (meq/100g)	9.95
EC (dS/m)	0.09
Potassium* (meq/100g)	0.37
Calcium* (meq/100g)	0.12
Magnesium* (meq/100g)	5.94
Sodium* (meq/100g)	1.4
Aluminium (meq/100g)	2.11
Ca base saturation (%)	1.2
K base saturation (%)	3.7
Mg base saturation (%)	56.8
Na base saturation (%)	14.3
Al base saturation (%)	21.20
Ca/Mg Ratio	0
Aluminium (ppm)	150.0
Sodium (ppm)	527.0
Calcium (ppm)	24.0
Magnesium (ppm)	719.0
Potassium (ppm)	145.0

Additional Comments

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Analysis Results (SOIL)

Customer	DALEYS RD JV RIPLEY	Distributor	ENVIRONMENTAL SOIL SOLUTIONS 5 DUNPHY ST SUNNYBANK HILLS QLD
Sample Ref	DR7 300-300	Date Received	16/05/2011
Sample No	B051905-015 / SAG2977		
Crop	DATA ONLY		

Analysis	Result
pH (H ₂ O)*	4.6
CEC (meq/100g)	8.69
EC (dS/m)	0.13
Potassium* (meq/100g)	0.90
Calcium* (meq/100g)	0.10
Magnesium* (meq/100g)	4.53
Sodium* (meq/100g)	1.6
Aluminium (meq/100g)	2.17
Ca base saturation (%)	1.2
K base saturation (%)	3.6
Mg base saturation (%)	92.1
Na base saturation (%)	18.3
Al base saturation (%)	25.00
Ca:Mg Ratio	0
Aluminium (ppm)	185.0
Sodium (ppm)	363.0
Calcium (ppm)	20.0
Magnesium (ppm)	545.0
Potassium (ppm)	117.0

Additional Comments

You should consult your local agronomist and/or Yara representative before deciding upon any course of action based on this report.

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