

Appendix 6

Soil and Land Capability Assessment

prepared by

Sustainable Soils
Management Pty Ltd

(Total No. of pages including blank pages = 62)



This page has intentionally been left blank



Tomingley Gold Extension Project for Alkane Resources

Detailed pit MT016 Hypocalcic Mottled-Mesonatric Red Sodosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 613448m E, 6393445m N, (WGS84), 265.9m AHD

Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **50%**

Dry: **hard set**

Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy. Moderately moist. Clear boundary to:	5.5			0.1	
	A2		Dark red silty clay loam with massive grade of structure and earthy. Moderately moist. Sharp boundary to:	5.5			0.2	
	B2		Red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Soil had 7% unspecified mottles. Moderately moist. Gradual boundary to:	6			0.3	
50							1.2	
	B22		Strong brown medium heavy clay with moderate grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 15% unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist.	6.5			3.8	
100								
			COMMENTS: 0 Bottom of hole at 130					

Lithology

Substrate: **alluvium**

Base of Observations: **soil continues**

Rootzone: **70cm**

Imperfectly drained

Moderately permeable



Sustainable Soils Management

5 Lawson St

Warren, NSW, 2824

+61 2 68473367 Fax: +61 2 68473301



Tomingley Gold Extension Project for Alkane Resources

Detailed pit MT017 Hypocalcic Mottled-Subnatric Red Sodosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 612831m E, 6393694m N, (WGS84), 265.4m AHD

Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **100%**

Dry: **hard set**

Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown clay loam with massive grade of structure and sandy . Moist. Clear boundary to:	5.5			0.2	
	A2		Yellowish red silty clay loam with massive grade of structure and earthy . Moist. Abrupt boundary to:	5.5			0.2	
							0.1	
50	B2		Dark red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Soil had 7% distinct, unspecified mottles. Slight effervescence to 1 Molar HCl. Moist. Gradual boundary to:	6			0.3	
	B22		Strong brown light medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 7% distinct, unspecified mottles. Moderately moist.	7			0.2	
100								
			COMMENTS: 0 Bottom of hole at 130					

Lithology

Substrate: **alluvium**

Base of Observations: **soil continues**

Rootzone: **75cm**

Poorly drained

Slowly permeable



Sustainable Soils Management
5 Lawson St
Warren, NSW, 2824
+61 2 68473367 Fax: +61 2 68473



Tomingley Gold Extension Project for Alkane Resources

Detailed pit MT018 Hypocalcic Mottled-Subnatric Red Sodosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 612870m E, 6393386m N, (WGS84), 264.3m AHD

Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **100%**

Dry: **hard set**

Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A		Dark reddish brown silty clay loam with massive grade of structure and earthy. Moist. Abrupt boundary to:	5.5			0.3	
	A2		Reddish brown silty clay loam with massive grade of structure and earthy. Moderately moist. Sharp boundary to:	5.5			0.1	
	B2		Reddish brown medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Soil had 7% unspecified mottles. Moist. Abrupt boundary to:	7.5			0.2	
50	C		Yellowish red clayey sand with massive grade of structure and earthy. Few (2-10%), parent material gravel (6-20mm). Soil had 25% unspecified mottles. Moist. Abrupt boundary to:	8.5			0.4	
	2B2		Dark yellowish brown sandy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), parent material gravel (6-20mm). Very few (<2%), medium (2-6mm), weak, calcareous fragments. Soil had 25% gley, unspecified mottles.	8.5			0.5	
100								
			COMMENTS: 0 Bottom of hole at 130					

Lithology

Substrate: **alluvium**

Base of Observations: **soil**

continues

Rootzone: **55cm**

Imperfectly drained

Slowly permeable



Sustainable Soils Management

5 Lawson St

Warren, NSW, 2824

+61 2 68473367 Fax: +61 2 68473401



Tomingley Gold Extension Project for Alkane Resources

Detailed pit MT019 Hypocalcic Hypernatric Red Sodosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 612979m E, 6393068m N, (WGS84), 263.5m AHD

Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **100%**

Dry: **hard set**

Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Wet. Abrupt boundary to:	5.5			0.2	
	A2		Reddish brown silty clay loam with massive grade of structure and earthy . Wet. Abrupt boundary to:	5.5			0.2	
	B2		Reddish brown medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Soil had 2% distinct, unspecified mottles. Wet. Clear boundary to:	6.5			0.6	
50							3.7	
	C		Strong brown sandy clay with massive grade of structure and earthy . Many (20-50%), parent material fine gravel (2-6mm). Few (2-10%), coarse (6-20mm), strong, calcareous soft segregations. Soil had 25% prominent, gley, unspecified mottles. High effervescence to 1 Molar HCl. Moderately moist.	8			7.2	
100								
			COMMENTS: 0					

Lithology

Substrate: **alluvium**

Base of Observations: **soil**

continues

Rootzone: **80cm**

Poorly drained

Slowly permeable

Bottom of hole at 140



Sustainable Soils Management

5 Lawson St

Warren, NSW, 2824

+61 2 68473367 Fax: +61 2 68473367



Tomingley Gold Extension Project for Alkane Resources

Detailed pit MT020 Haplic Eutrophic Red Chromosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 613457m E, 6393056m N, (WGS84), 264.6m AHD

Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **cropping**

Surface Condition Wet: **soft**

Groundcover: **100%**

Dry: **hard set**

Topography




Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark brown silty clay loam with massive grade of structure and earthy . Wet. Abrupt boundary to:	5.5			0.2	
	B2		Reddish brown light medium clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Wet. Clear boundary to:	5.5			0.1	
50	B22		Strong brown medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 25% unspecified mottles. Slight effervescence to 1 Molar HCl. Wet.	8			0.2	
100							0.2	
			COMMENTS: 0 Bottom of hole at 120					

Lithology

Substrate: **alluvium**

Base of Observations: **soil
continues**

Rootzone: **120cm**

Very poorly drained

Very slowly permeable



Sustainable Soils Management
5 Lawson St
Warren, NSW, 2824
+61 2 68473367
Fax: +61 2 68473401



NATA Accredited Laboratory

National Association of Testing Authorities, Australia
(ABN 59 004 379 748)

has accredited

**Incitec Pivot Ltd
Incitec Pivot Laboratory
Nutrient Advantage Laboratory Services**

following demonstration of its technical competence
to operate in accordance with

ISO/IEC 17025

This facility is accredited in the field of

Chemical Testing

for the tests shown on the *Scope of Accreditation* issued by NATA



A J Russell
Chief Executive

Date of accreditation: 7 November 1996
Accreditation number: 11958



**WORLD RECOGNISED
ACCREDITATION**

NATA is Australia's government-endorsed laboratory accreditor, and a leader in accreditation internationally.
NATA is a signatory to the international mutual recognition arrangements of the International Laboratory
Accreditation Cooperation (ILAC) and the Asia Pacific Laboratory Accreditation Cooperation (APLAC).



Scope of Accreditation

ACCREDITATION NO: 11958

Incitec Pivot Ltd
Nutrient Advantage Laboratory Services

Incitec Pivot Laboratory
8 South Road
WERRIBEE VIC 3030

CONTACT: Mr P Williams
PHONE: (03) 9731 3100 FAX: (03) 9974 0699 MOBILE:
EMAIL: lab.feedback@incitecpivot.com.au
WEB SITE: www.incitecpivot.com.au/nutrientadvantage2.asp

FACILITIES: Public testing service

This facility complies with the requirements of ISO/IEC 17025:2005

7.61 Agricultural products and materials

.22 Soils

listed as determination(s) by technique(s) using method(s) -

Aluminium - exchangeable (potassium chloride extractable) by AAS (flame) using in-house Incitec Pivot 04-027

Boron (hot calcium chloride extractable) by ICP-AES using in-house Incitec Pivot 04-025

Chloride by SFA using in-house Incitec Pivot 04-052

Colour and texture by classical using in-house Incitec Pivot 04-042

DTPA trace elements - copper, iron, manganese, zinc by ICP-AES using in-house Incitec Pivot 04-024

Electrical conductivity by classical using in-house Incitec Pivot 04-031

Exchangeable cations - calcium, magnesium, potassium, sodium (ammonium acetate) by ICP-AES using in-house Incitec Pivot 04-026

Exchangeable cations - aluminium, calcium, magnesium, potassium, sodium (ammonium chloride/barium chloride) by ICP/AES using in-house Incitec Pivot 04-022

Mehlich III - aluminium, boron, calcium, copper, iron, magnesium, manganese, potassium, phosphorus, sodium, sulfur, zinc by ICP-AES using in-house Incitec Pivot 04-035

Moisture by classical using in-house Incitec Pivot 04-029

Nitrogen - ammonium (potassium chloride/sulphuric acid extractable) by FIA using in-house Incitec Pivot 04-043

Nitrogen - nitrate by SFA using in-house Incitec Pivot 04-052

Nitrogen - total Kjeldahl by FIA using in-house Incitec Pivot 04-040

Organic carbon - oxidisable by UV-vis spectrophotometric using in-house Incitec Pivot 04-018

pH (calcium chloride) by classical using in-house Incitec Pivot 04-031

pH (water) by classical using in-house Incitec Pivot 04-031

pH buffer by classical using in-house Incitec Pivot 04-047

Phosphorus - available (Bray) by FIA using in-house Incitec Pivot 04-002

Phosphorus - available (BSES) by FIA using in-house Incitec Pivot 04-004

Phosphorus - available (Colwell) by FIA using in-house Incitec Pivot 04-013

Phosphorus - available (Lactate) by UV-vis spectrophotometric using in-house Incitec Pivot

04-050



Scope of Accreditation

Phosphorus - available (Olsen) by FIA using in-house Incitec Pivot 04-030
Phosphorus - total (Kjeldahl) by FIA using in-house Incitec Pivot 04-040
Phosphorus buffer index (PBI) by ICP-AES using in-house Incitec Pivot 04-020
Potassium - exchangeable (Colwell) by AAS (flame) using in-house Incitec Pivot 04-044
Potassium - exchangeable (nitric acid) by ICP-AES using in-house Incitec Pivot 04-015
Silicon - available (BSES) by FIA using in-house Incitec Pivot 04-004
Silicon - available (calcium chloride) by FIA using in-house Incitec Pivot 04-046
Slaking and dispersion by classical using in-house Incitec Pivot 04-041
Sulfur - available (calcium dihydrogen orthophosphate) by ICP-AES using in-house Incitec Pivot 04-016
Sulfur - available (potassium chloride) by ICP-AES using in-house Incitec Pivot 04-021
Zinc (hydrochloric acid) by ICP-AES using in-house Incitec Pivot 04-014

.23 Plant tissue

listed as determination(s) by technique(s) using method(s) -
Boron by ICP-AES using in-house Incitec Pivot 04-023
Calcium by ICP-AES using in-house Incitec Pivot 04-023
Chloride (hot and cold extraction) by SFA using in-house Incitec Pivot 04-045
Copper by ICP-AES using in-house Incitec Pivot 04-023
Iron by ICP-AES using in-house Incitec Pivot 04-023
Magnesium by ICP-AES using in-house Incitec Pivot 04-023
Manganese by ICP-AES using in-house Incitec Pivot 04-023
Nitrogen - nitrate (hot and cold extraction) by SFA using in-house Incitec Pivot 04-045
Nitrogen - total Kjeldahl by FIA using in-house Incitec Pivot 04-011
Phosphorus by ICP-AES using in-house Incitec Pivot 04-023
Potassium by ICP-AES using in-house Incitec Pivot 04-023
Sodium by ICP-AES using in-house Incitec Pivot 04-023
Sulfur by ICP-AES using in-house Incitec Pivot 04-023
Zinc by ICP-AES using in-house Incitec Pivot 04-023

Accreditation No: 11958

Corporate Site No: 11951

(Scope Last Changed 03/09/09)



Australasian Soil and Plant Analysis Council Inc.

This is to certify that

Nutrient Advantage Laboratory Services #CMA-054

meets ASPAC's proficiency criteria for the following methods conducted in the Soil Proficiency Testing Program, 2016

• Ammonium Nitrogen (mg/kg)	7C2
• CaCl ₂ Extractable B (mg/kg)	12C2
• Exch Aluminium (cmol+/kg)	15G1
• Exch Calcium (cmol+/kg)	15D3
• Exch Potassium (cmol+/kg)	15D3
• Exch Magnesium (cmol+/kg)	15D3
• Exch Sodium (cmol+/kg)	15D3
• Ext Copper (mg/kg)	12A1
• Ext Iron (mg/kg)	12A1
• Ext Manganese (mg/kg)	12A1
• Acid P (mg/kg)	9G2
• Bray P (mg/kg)	9E2
• Colwell P (mg/kg)	9B2
• Olsen P (mg/kg)	9C2
• Ext Sulphur (mg/kg)	10B1
• Ext Sulphur (mg/kg)	10D1
• Ext Zinc (mg/kg)	12A1
• M3-Aluminium (mg/kg)	18F1
• M3-Boron (mg/kg)	18F1
• M3-Calcium (mg/kg)	18F1
• M3-Copper (mg/kg)	18F1
• M3-Iron (mg/kg)	18F1
• M3-Potassium (mg/kg)	18F1
• M3-Magnesium (mg/kg)	18F1
• M3-Manganese (mg/kg)	18F1
• M3-Sodium (mg/kg)	18F1
• M3-Phosphorus (mg/kg)	18F1
• M3-Sulphur (mg/kg)	18F1
• M3-Zinc (mg/kg)	18F1
• Nitrate Nitrogen (mg/kg)	7C2
• Organic Carbon W&B (%)	6A1
• PBI Colwell (L/kg)	9I2a
• pH CaCl ₂ (pH units)	4B2
• pH Water (pH units)	4A1
• Total Nitrogen (%)	7A2
• Total Nitrogen (%)	7A5
• Total Phosphorus (%)	Not Specified
• Water Ext Cl (mg/kg)	5A2

Method codes are from Rayment and Lyons (2011)

D. Lyons
Chairperson, ASPAC

R. Hill
Convenor, Lab Proficiency Committee

INDEX OF LABORATORY RESULTS

Sample Site	Depth From (cm)	Depth To (cm)	PAGE
MT016	0	5	1
MT016	5	15	3
MT016	15	30	5
MT016	30	60	7
MT016	60	100	9
MT017	0	5	11
MT017	5	15	13
MT017	15	30	15
MT017	30	60	17
MT017	60	100	19
MT018	0	5	21
MT018	5	15	23
MT018	15	30	25
MT018	30	60	27
MT018	60	100	29
MT019	0	5	31
MT019	5	15	33
MT019	15	30	35
MT019	30	60	37
MT019	60	100	39
MT020	0	5	41
MT020	5	15	43
MT020	15	30	45
MT020	30	60	47
MT020	60	100	49

SOIL ANALYSIS REPORT

Report Number: 634935

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072073	Paddock Name: MT01605	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.50		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.69	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	4.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	29	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	65		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.96	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.088	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	82	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.91	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	3.88	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.3	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634935

Sample Number: 022072073	Paddock Name: MT01605	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.58	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.28	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	28	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	82	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl ₂)	0.52	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl ₂) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.45		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	28.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	50.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	9.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	11.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634936

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072072	Paddock Name: MT016515	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.40		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.65	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	2.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.79	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	7.6	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	21	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	95		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.70	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.57	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.087	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	120	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	1.3	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	3.85	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.3	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634936

Sample Number: 022072072	Paddock Name: MT016515	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.58	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.13	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	50	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	62	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	0.52	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.22		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	25.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	50.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	13.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634937

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072071	Paddock Name: MT0161530	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	120	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.079		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.30	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.73	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.1	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.98	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	2.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	24	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	27.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	50.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	8.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634937

Sample Number: 022072071	Paddock Name: MT0161530	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	13.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634938

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072070	Paddock Name: MT0163060	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	170	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	28	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	9.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.66	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.43	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	12.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.64		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.21	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	140	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	23.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	34.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	7.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634938

Sample Number: 022072070	Paddock Name: MT0163060	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	35.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634939

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072069	Paddock Name: MT01660100	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.059		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	7.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.85	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	7.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	23.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	33	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.46		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.65	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	470	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	11.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	31.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	8.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634939

Sample Number: 022072069	Paddock Name: MT01660100	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	48.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634940

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072068	Paddock Name: MT01705	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	65	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.25		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	9.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.23	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	13	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.2	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	13	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	41		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.74	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.39	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.037	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	21	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.23	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	3.98	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.92	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634940

Sample Number: 022072068	Paddock Name: MT01705	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	5.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	6.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.49	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.30	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	15	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	130	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	0.35	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.32		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	31.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	48.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	10.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634941

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072067	Paddock Name: MT017515	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	140	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	9.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.60	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	2.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.95	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	15	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	9.1	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	59		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.37	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.71	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.098	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	37	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.41	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	3.92	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634941

Sample Number: 022072067	Paddock Name: MT017515	Date Received: 18-Aug-2020
Test Code: 2017-082		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.49	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.075	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	37	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	54	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.45	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.15		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	21.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	53.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	13.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634942

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072065	Paddock Name: MT0171530	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	100	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	60	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.092		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.27	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.17	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	3.50	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	3.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	32.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	45.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634942

Sample Number: 022072065	Paddock Name: MT0171530	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	10.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634943

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072064	Paddock Name: MT0173060	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	180	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.049		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	20	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.94	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.46	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	11.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.90		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	24.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	29.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	8.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634943

Sample Number: 022072064	Paddock Name: MT0173060	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	36.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634944

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072066	Paddock Name: MT01760100	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	320	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	33	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.088		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.7		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.83	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	12.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.74		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	24.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	32.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	8.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634944

Sample Number: 022072066	Paddock Name: MT01760100	Date Received: 18-Aug-2020
Test Code: 2017-064		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	34.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634945

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072062	Paddock Name: MT01805	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	71	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	14	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.29	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	18	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.9	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	12	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	51		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.98	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.88	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.059	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.92	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.85	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634945

Sample Number: 022072062	Paddock Name: MT01805	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	5.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.63	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.40	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	27	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	62	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl ₂)	0.55	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl ₂) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.24		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634946

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072061	Paddock Name: MT018515	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	60	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.4	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.84	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	5.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.87	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	9.1	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	64		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.044	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	19	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.21	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.62	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.78	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634946

Sample Number: 022072061	Paddock Name: MT018515	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	3.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.72	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.15	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	59	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	56	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl ₂)	0.61	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl ₂) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.14		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634947

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072060	Paddock Name: MT0181530	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	55	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.076		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	32	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	8.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.60	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	9.17	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	6.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634947

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634948

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022072059	Paddock Name: MT0183060	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.053		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	18	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.75	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	17.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634948

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634949

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071901	Paddock Name: MT01860100	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	36	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.065		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.83	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	16.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.90		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634949

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634950

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071903	Paddock Name: MT01905	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	74	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.096		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	14	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.7	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	8.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.96	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	6.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	20	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	81		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.73	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.27	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.65	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634950

Sample Number: 022071903	Paddock Name: MT01905	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	5.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.87	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.48	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	80	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	63	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl ₂)	0.52	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl ₂) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.25		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634951

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071902	Paddock Name: MT019515	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	150	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.068		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	5.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.71	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.68	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.8	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	10	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	73		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.39	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.93	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634951

Sample Number: 022071902	Paddock Name: MT019515	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.66	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.18	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	27	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	53	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl ₂)	0.62	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl ₂) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.14		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634952

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071396	Paddock Name: MT0191530	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	110	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.029		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	38	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.29	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	12.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.11	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	46	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634952

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634953

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071395	Paddock Name: MT0193060	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	100	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	29	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.020		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.70	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.26	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	5.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	18.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.72		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.55	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	540	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634953

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634954

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071394	Paddock Name: MT01960100	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	170	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.026		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	6.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.91	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.43	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	8.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	25.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.66		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	1.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	960	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634954

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634955

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071393	Paddock Name: MT02005	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.20		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.15	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	3.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	24	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	110		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.87	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.17	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	40	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.45	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.73	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634955

Sample Number: 022071393	Paddock Name: MT02005	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	7.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.43	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	76	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	120	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl ₂)	0.63	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl ₂) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.22		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634956

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071392	Paddock Name: MT020515	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.16		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.71	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	3.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	96		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.78	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.10	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	29	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.32	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.05	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634956

Sample Number: 022071392	Paddock Name: MT020515	Date Received: 18-Aug-2020
Test Code: 2017-083		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.0	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.21	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	56	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	67	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl ₂)	0.61	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl ₂) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.15		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634957

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071391	Paddock Name: MT0201530	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.076		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.57	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.25	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.46	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634957

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634958

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071390	Paddock Name: MT0203060	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.64	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.60	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.73	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.97		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634958

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

SOIL ANALYSIS REPORT

Report Number: 634959

Sustainable Soils Management P/L
PO Box 130
WARREN
NSW 2824



Report Authorised
Paul Kennelly
Laboratory Manager
NATA Accredited Laboratory
Number: 11958

Sample Number: 022071389	Paddock Name: MT02060100	Date Received: 18-Aug-2020
Test Code: 2017-065		Date of Report: 27-Oct-2020
Purchase Order No: TPG		
Grower Name: SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.057		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.96	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.6	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.80	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.81		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited
Incitec Pivot Limited - ABN 42 004 080 264
8 South Rd, Werribee Vic 3030
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699
Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

Report Number: 634959

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited

Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

Enquiries: lab.feedback@incitecpivot.com.au

Disclaimer: This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.