

LABORATORY ANALYSIS RESULTS

TRADING NAME: Wingecarribee
FARM NAME: MacPhersons
PADDOCK NAME: MacPhersons 1
PADDOCK AREA: Not Provided

DATE: 17 Jun 2020
ADVISER NAME: Jim Colquhoun
PHONE:
MOBILE:
EMAIL: jim.colquhoun@landmark.

SAMPLING DATE: 18 May 2017
RECEIVED DATE: 05 Jun 2017
ANALYSIS DATE: 13 Jun 2017

CROP: Pasture NSW Perennial Grass Legume 15 DSE PBI
 (280 - 840)
LABORATORY: Nutrient Advantage Lab

ANALYSIS

LABORATORY RESULT

Sample Depth (cm)	0.0 - 10.0
Sample Barcode	070096608
Laboratory Report No.	52273685
Product Code	IP-E13

Aluminium (KCl) cmol+/kg	<0.10
Aluminium Saturation %	<1
Ammonium nitrogen (KCl) mg/kg	8
Boron (hot CaCl ₂) (mg/kg)	0.3
Calcium % of CEC	81.7
Calcium (Amm-Acet) cmol+/kg	4.6
Calcium:Magnesium Ratio (cmol+/kg)	6.4
Chloride (1:5 H ₂ O) mg/kg	11
Soil Colour	Grey
Copper (DTPA) mg/kg	0.34
EC (1:5 H ₂ O) dS/m	0.05
Iron (DTPA) mg/kg	260.0
Magnesium (Amm-Acet.) cmol+/kg	0.7
Manganese (DTPA) mg/kg	6.0
Nitrate nitrogen (KCl) mg/kg	11
Organic carbon (Walkley Black) %	2.20
pH (1:5 CaCl ₂)	5.2
pH (1:5 H ₂ O)	6.2
Phosphorus (Colwell) mg/kg	15
Potassium % of CEC	4.3
Potassium (Amm-Acet.) cmol+/kg	0.24
Sodium (Amm-Acet.) cmol+/kg	0.07
Soil Texture	Sandy Loam
Sulfate-S (KCl ₄₀) mg/kg	4.2
Zinc (DTPA) mg/kg	2.30

CALCULATED

CALCULATED RESULT

Calcium:magnesium ratio	6.4
EC (se) (dS/m)	0.5
EC (se) (dS/m) (Cladj)	0.3
eCEC cmol+/kg	5.6
Electrochemical Stability Index	0.040
Exch. sodium %	1.3
Grass Tetany Risk Index (Soil)	0.05
Magnesium % cations	12.8

LABORATORY ANALYSIS RESULTS

Phosphorus Buffer Index (Colwell) (PBIC)	66
Phosphorus Environmental Risk Index	0.20

LABORATORY ANALYSIS RESULTS

TRADING NAME: Wingecarribee
FARM NAME: MacPhersons
PADDOCK NAME: Paddock 2
PADDOCK AREA: Not Provided

DATE: 17 Jun 2020
ADVISER NAME: Jim Colquhoun
PHONE:
MOBILE:
EMAIL: jim.colquhoun@landmark.

SAMPLING DATE: 18 May 2017
RECEIVED DATE: 05 Jun 2017
ANALYSIS DATE: 13 Jun 2017

CROP: Pasture NSW Perennial Grass Legume 15 DSE PBI
 (280 - 840)
LABORATORY: Nutrient Advantage Lab

ANALYSIS

LABORATORY RESULT

Sample Depth (cm)	0.0 - 10.0
Sample Barcode	070096610
Laboratory Report No.	52273786
Product Code	IP-E13

Aluminium (KCl) cmol+/kg	<0.10
Aluminium Saturation %	<1
Ammonium nitrogen (KCl) mg/kg	8
Boron (hot CaCl ₂) (mg/kg)	0.6
Calcium % of CEC	77.6
Calcium (Amm-Acet) cmol+/kg	8.2
Calcium:Magnesium Ratio (cmol+/kg)	5.9
Chloride (1:5 H ₂ O) mg/kg	30
Soil Colour	Brown
Copper (DTPA) mg/kg	0.32
EC (1:5 H ₂ O) dS/m	0.10
Iron (DTPA) mg/kg	200.0
Magnesium (Amm-Acet.) cmol+/kg	1.4
Manganese (DTPA) mg/kg	13.0
Nitrate nitrogen (KCl) mg/kg	20
Organic carbon (Walkley Black) %	3.70
pH (1:5 CaCl ₂)	5.5
pH (1:5 H ₂ O)	6.4
Phosphorus (Colwell) mg/kg	72
Potassium % of CEC	8.7
Potassium (Amm-Acet.) cmol+/kg	0.92
Sodium (Amm-Acet.) cmol+/kg	0.05
Soil Texture	Clay Loam
Sulfate-S (KCl ₄₀) mg/kg	6.4
Zinc (DTPA) mg/kg	5.10

CALCULATED

CALCULATED RESULT

Calcium:magnesium ratio	5.9
EC (se) (dS/m)	0.8
EC (se) (dS/m) (Cladj)	0.6
eCEC cmol+/kg	10.6
Electrochemical Stability Index	0.207
Exch. sodium %	0.5
Grass Tetany Risk Index (Soil)	0.10
Magnesium % cations	13.2

LABORATORY ANALYSIS RESULTS

Phosphorus Buffer Index (Colwell)
(PBIc) 71

Phosphorus Environmental Risk Index 1.00

LABORATORY ANALYSIS RESULTS

TRADING NAME: Wingecarribee
FARM NAME: MacPhersons
PADDOCK NAME: Paddock 3
PADDOCK AREA: Not Provided

DATE: 17 Jun 2020
ADVISER NAME: Jim Colquhoun
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MOBILE:
EMAIL: jim.colquhoun@landmark.

SAMPLING DATE: 18 May 2017
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CROP: Pasture NSW Perennial Grass Legume 15 DSE PBI
 (280 - 840)
LABORATORY: Nutrient Advantage Lab

ANALYSIS

LABORATORY RESULT

Sample Depth (cm)	0.0 - 10.0
Sample Barcode	070098609
Laboratory Report No.	52273887
Product Code	IP-E13

Aluminium (KCl) cmol+/kg	<0.10
Aluminium Saturation %	<1
Ammonium nitrogen (KCl) mg/kg	6
Boron (hot CaCl ₂) (mg/kg)	1.2
Calcium % of CEC	60.5
Calcium (Amm-Acet) cmol+/kg	9.5
Calcium:Magnesium Ratio (cmol+/kg)	2.6
Chloride (1:5 H ₂ O) mg/kg	72
Soil Colour	Grey
Copper (DTPA) mg/kg	0.82
EC (1:5 H ₂ O) dS/m	0.21
Iron (DTPA) mg/kg	260.0
Magnesium (Amm-Acet.) cmol+/kg	3.7
Manganese (DTPA) mg/kg	17.0
Nitrate nitrogen (KCl) mg/kg	30
Organic carbon (Walkley Black) %	5.50
pH (1:5 CaCl ₂)	5.9
pH (1:5 H ₂ O)	6.6
Phosphorus (Colwell) mg/kg	330
Potassium % of CEC	12.7
Potassium (Amm-Acet.) cmol+/kg	2.00
Sodium (Amm-Acet.) cmol+/kg	0.49
Soil Texture	Clay Loam
Sulfate-S (KCl ₄₀) mg/kg	23.0
Zinc (DTPA) mg/kg	13.00

CALCULATED

CALCULATED RESULT

Calcium:magnesium ratio	2.6
EC (se) (dS/m)	1.7
EC (se) (dS/m) (Cladj)	1.2
eCEC cmol+/kg	15.7
Electrochemical Stability Index	0.067
Exch. sodium %	3.1
Grass Tetany Risk Index (Soil)	0.15
Magnesium % cations	23.6

LABORATORY ANALYSIS RESULTS

Phosphorus Buffer Index (Colwell)
(PBIC) 100

Phosphorus Environmental Risk Index 3.30
