Comparing Single species to Multispecies, Tansey

Proposed Trial Details

Planting and Fertilising

Paddock 1

20 acres millet, irrigated, to be fertilised with Urea

13 acres planted 05.10.24 and remaining 7 acres planting 29.10.24, seed on hand

Will be fertilised (Urea), fertiliser on hand

Paddock 2

35 acres Summer Crop Mix (25 acres irrigated, 10 acres dryland), will be fertilised with Chicken Manure (5acres), 20 acres Microbes (2 applications). Trial area sizes, products and applications as per discussions and recommendations with Tim from Kandanga Farm Store. All costs associated have been invoiced by Kandanga Farm Store (\$4,939.80 including GST, and we are very grateful that they have provided a substantial discount to support this trial and enable us to have everything needed/recommended).

Soil Testing

Soil Testing to be coordinated by Kandanga Farm store (EAL in Lismore). Also testing Microbial Mass and Fungal to Bacteria ratio (Microbometer) and Brix Refractometer will be used to record plant sugars/minerals/vitamin content. *Comparing this data to end weight gain in cattle also.

Trial Details

Planting and Fertilising

Paddock 1 (pivot circle 1)

- 20 acres millet, irrigated, to be fertilised with Urea
- 13 acres planted 05.10.24 and remaining 7 acres planting 29.10.24, seed on hand

Paddock 2 (pivot circle 2)

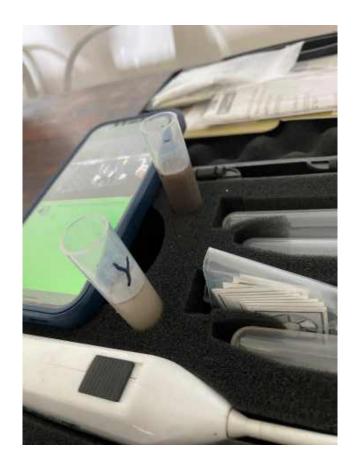
35 acres Summer Crop 2024 Mix (25 acres irrigated, 10 acres dryland),
 will be fertilised with Chicken Manure (5acres), 20 acres Microbes (2 applications)

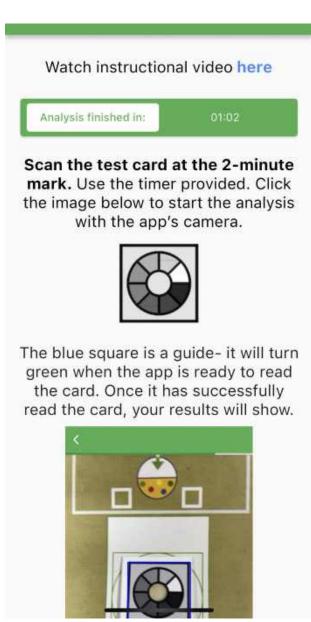
Soil Testing

Pre Testing

Soil Testing EAL Results attached as Annexure A. Comparative testing to be completed at end of Winter crop rotation.

Microbometer testing:











Trial Information

Rainfall

- 9th October 80mm
- 24th October 15mm
- 31 October 24mm
- 5th November 7mm
- 9th November 2mm
- 11th November 17mm
- 13th November 36mm
- 14th November 23mm
- 19th November 3mm
- 20th November 3mm
- 22nd November 4mm
- 1st December 37mm
- 11th December 94mm
- 13th December 20mm
- 15th December 10mm
- 16th December 40mm
- 17th December 20mm
- 18th December 25mm
- 29^h December 5mm
- 30th December 10mm
- 1st January 2025 32mm

2nd January 6mm

10th January 100mm

13th January 20mm

19th January 6mm

March 2025 total 326mm

Irrigation

Did not use irrigation (pivot circle 1 or pivot circle 2) during the trial

Plating

Millet:

- Planted Panorama Millet 5th October, 12 acres
- Planted Panorama Millet 28th October, 12 acres
- No Urea applied, too wet

Multispecies

- Planted 38 acres under pivot circle 2, 10th November
- Fertilised with Poultry Manure (Terra Firma), approx. 200kg per acre, 5 acre test strip, 11th November
- Activfert microbiome spray application not applied, too wet at planting and grew too quickly to apply when the black soil was dry enough for tractor.

Photos

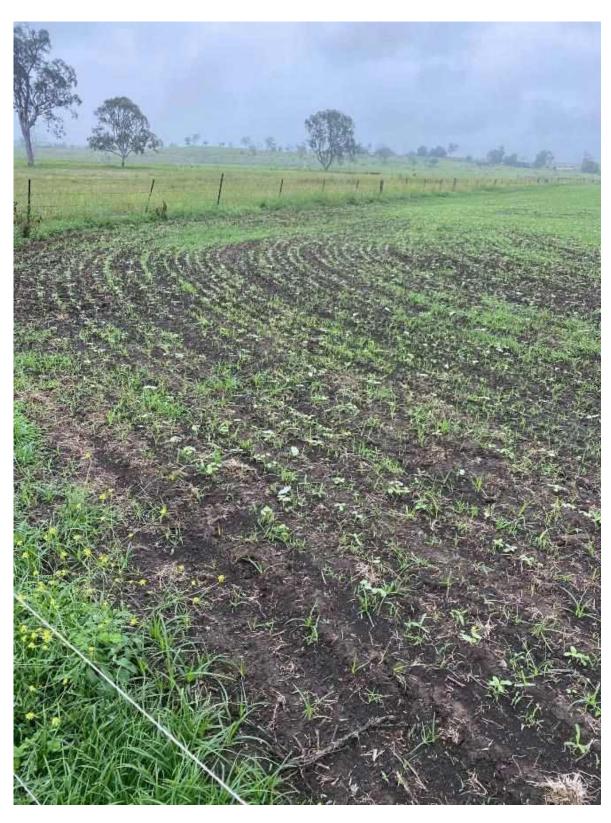


Planting – 10th November 2024

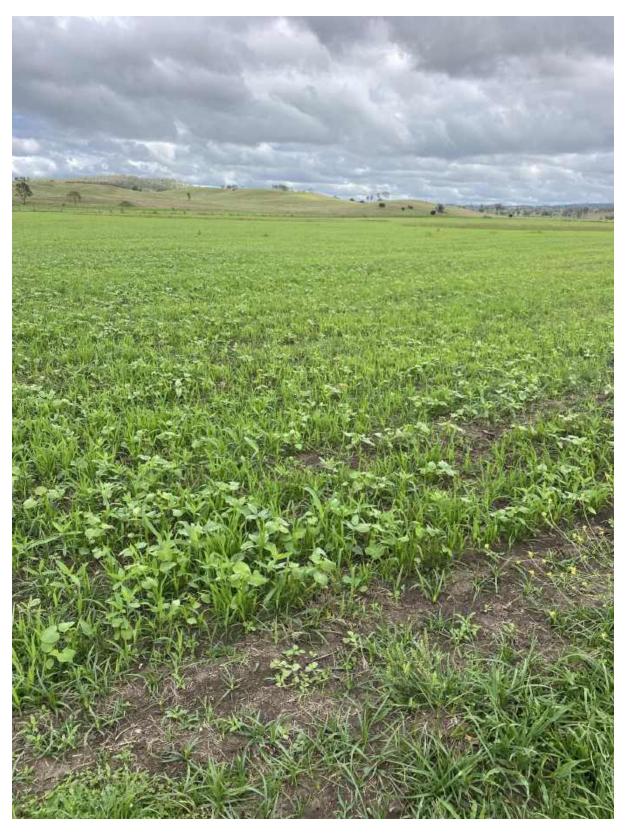




Germination: 16th November 2024



20th November 2024 – Day 10



28th November 2024 – Day 18

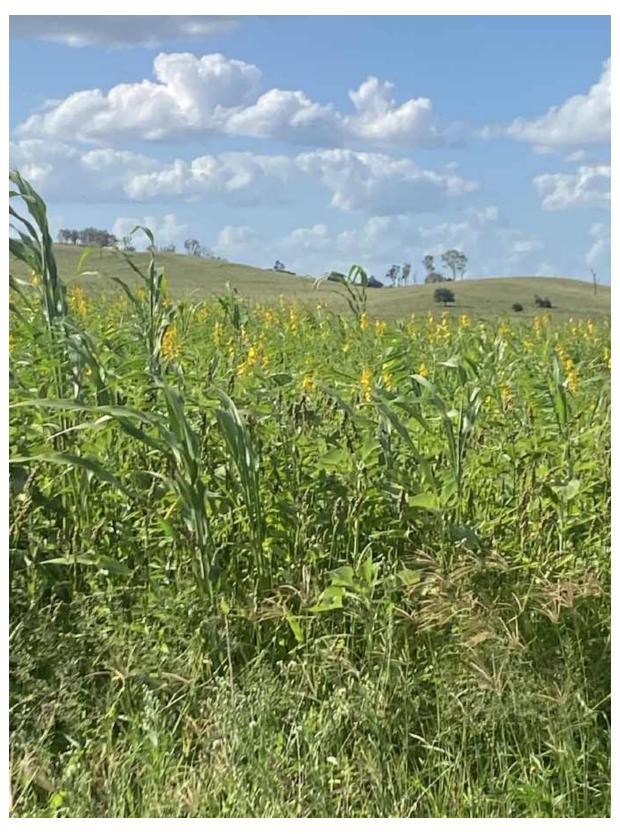


10th December 2024 – Day 30



14th December 2024 – Day 34





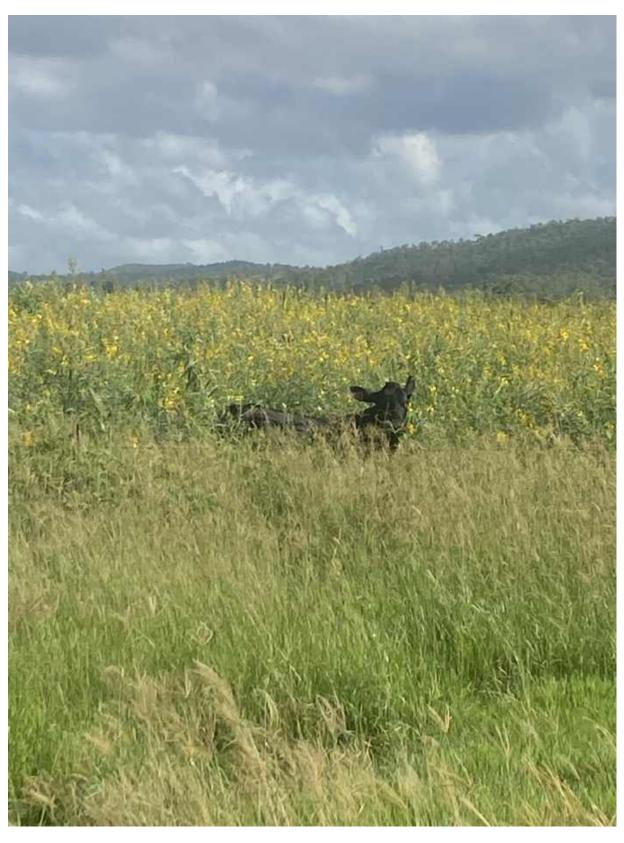
5th January 2025 – Day 56

30th January 2025 – Site visit Ann McKenzie BCCA, refractometer testing

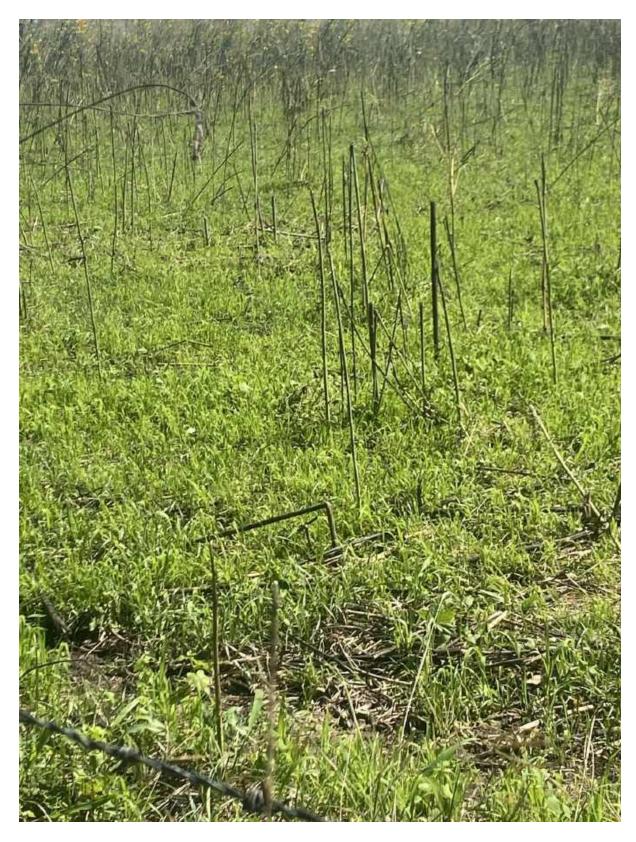








7th February 2025 – Day 88



31st March 2025 – New shoot after 5inches of rain

Overall Findings

Paddock 1 Millet

- Estimated yield 6-8 tonne dry matter per hectare. On par with previous seasons
- Some millet died out due to wet feet
- Cattle went straight onto feed when gates were opened. Previous seasons have been controlled feeding (strip feed moving electric fencing). Not able this season due to weather
- Crop quality good to average as expected with no fertiliser.

Paddock 2 Multispecies

- Estimated yield 10-12 tonne dry matter per hectare
- Some died out due to wet feet (all species affected)
- Possibly started off looking deficient in something but grew quickly and colour improved substantially during the growing period
- Would have liked to get cattle onto the paddock sooner when it was prime but couldn't due to weather/black soil
- Good strike of all the species planted
- At peak prior to opening gates Sunflowers were approx. 10ft in places, beans growing gup sunflower stalks, huge number of insects, good refractometer results (see below), thick growth in most areas of all species
- When cattle went into paddock, they showed a preference to eating the grasses first
- Cattle often observed eating the leaves off the stalks of the Sun hemp and Sunflower

- No oblivious (visual) improvement in the test strip Terra Firma Poultry
 Manure may have been too wet I that area and lost its benefit. Would possible trial again another time.
- Visually appeared to produce better results in the virgin soil planted edge of paddock
- After 5 inches of rain in March we locked cattle off paddock and could confidently say that the regrowth would provide another round of feed in 1 month
- Will definitely continue to trial Multispecies given the results of this trial
- Based on visual inspection of cattle they have performed well on the feed (both weight and body score), found the feed to be highly palatable, and continue to move towards the feed nightly (even when it appeared that improved pastures in surrounding areas would be more palatable and easier to access).
- Feral pigs were frequenting the MS paddock, passing Lucerne and other
 palatable crops to get to the MS. We can only assume the variety of
 crop and nutrient value was better to them then the surrounding areas.

Cattle Mob 1 put onto Millet Paddock Feed 25th November 2024 (45 head backgrounders mix heifers and steers)

Cattle Mob 2 put onto MS Paddock Feed 30th January 2025 2024 (45 head backgrounders mix heifers and steers). *Note: Cows and Calves were also fed on the MS paddock because there was so much feed. Not initialled consider for the trial but didn't want the quality feed to be wasted.*

Paddock Split 2 mobs have been used for the trial. 1 mob on Millet and 1 mob on MS. They have been kept separate. Weights for both can be provided.

^{*} Unfortauinetly during the trial our scales broke and we will weigh the scale as soon as possible and will provide an update on cattle weights shortly

Next Steps After seeing what has regrown/germinated we now plan to mulch the MS, mulch plant Winter multispecies Kandanga Farm Stall mix and apply ActivFert Soil Life. Oats will be planted where Millet was (pivot circle 1) s a comparison crop.

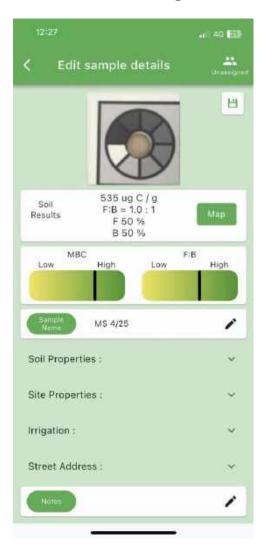
Post Trial Soil Testing

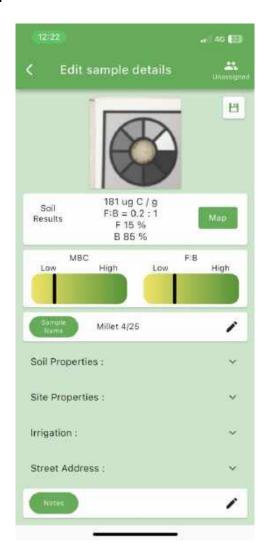
Soil Testing Pre EAL Results attached as annexure A, Post EAL testing will be performed after Winter MS crop round is completed

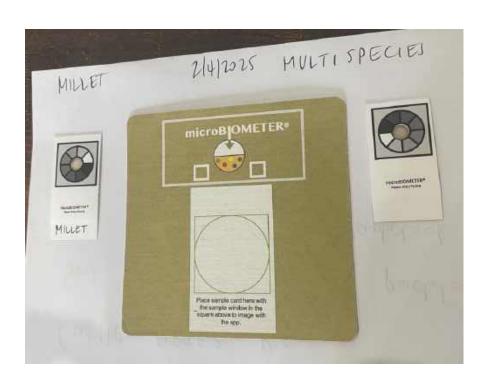
Brix Refractometers readings

- Ann McKenzie did a site visit just prior to letting cattle onto feed.
- Using refractometer, we took readings of the Cow Pea, Lablab, Sorghum, Sunflower, Sun hemp and Soy Bean. All tested between 10-15 Brix %
- Ann was very excited and pleased with the results measured on her visit.
- Millet testing the following week at 5-10%. Millet was aged at this stage.

Microbometer testing 02/04/2025:









Millet 4/25

2025-04-02

Soil Results

181 ug C / g F:B = 0.2:1

F 15 %

B 85 %



Millet

2024-11-12

Soil Results

180 ug C / g F:B = 0.2:1

F 14 %

B 86 %



MultiS 4/25

2025-04-02

Soil Results

535 ug C / g

F:B = 1.0:1

F 50 %

B 50 %



MultiS

2024-11-12

Soil Results

258 ug C / g

F:B = 0.3:1

F 21 %

B 79 %



MultiS 4/25

2025-04-02

Soil Results

535 ug C / g

F:B = 1.0:1

F 50 %

B 50 %



MS 4/25

2025-04-02

Soil Results

535 ug C / g

F:B = 1.0:1

F 50 %

B 50 %



Millet 4/25

2025-04-02

Soil Results

181 ug C / g

F:B = 0.2:1

F 15 %

B 85 %



Millet

2024-11-12

Soil Results

180 ug C / g

F:B = 0.2:1

F 14 %

B 86 %



MultiS

2024-11-12

Soil Results

258 ug C / g

F:B = 0.3:1

F 21 %

B 79 %

Annexure A – Soil Testing





Certificate of Analysis E24-00-0942

| Client: | Bos Rural Supplies | Laboratory: | Environmental Analysis Liboratory | |
|------------|--|-------------|---|--|
| Contact: | Amber Scott | Contact: | EAL Customer Service Team | |
| Address | PO Box 93, KANDANGA, QLD 4570, Australia | Address: | PO Box 157, East Lismore NSW 2480 Australia | |
| Telephone: | 0428 776 348 | Telephone: | (02) 6620 367B | |
| Email: | info@kandangafarmstore.com.au | Email: | eal@scu.edu.au | |

| Customer reference: | Lehmann | Request ID: | EAL /E24-00-0942 | |
|------------------------|------------------|-------------|----------------------|--|
| Number of samples: | 2 | Report ID: | E24-00-0942_RCOAP1_1 | |
| Date samples received: | 15 November 2024 | Issue date: | 28 November 2024 | |

| Authorised by: | Brian Smith |
|----------------|--------------------------|
| Position: | Senior Technical Officer |





Comments:

EAL is a NATA accredited laboratory (14960), accredited for compliance with ISO/IEC 17025 - Testing.







Certificate of Analysis

Request ID: EAL/E24-00-0942 Report ID: E24-00-0942_RCOAP1_1 Issue date: 28 November 2024

| | | Chie | rt Sample 10 | | |
|--|--------------------------|-----------------------------------|--|------------------|-----------------|
| | | | Lample Date | 5 November 2024 | 5 November 202- |
| | | | Your Client | Lidmann | Lehmann |
| | | r) | u tampia iti | E24-00-0942-0001 | E34-00-0942-000 |
| Paramater | Unit | Method Reference | LOR | | |
| Calcium - Soluble | mg/kg | ** Inhmae S10 - Morgan 1 | <10 | 1660 | 2630 |
| Magnesium - Soluble | mg/ug | ** Inhmos 550 - Morgan 1 | <1 | 688 | 916 |
| Potassium - Soluble | mg/kg | ** Inhouse StO - Morgan 1 | e25 | 69 | 53 |
| Phosphorus - Soluble | | ** inhouse S10 - Morgan 1 | <1 | 6.0 | 8.9 |
| 70505769070074677909 | mg/kg: | ** Rayment & Lyons 2011 - | 100 | 100 | 37357 |
| Phosphorus - Bray 1 | mg/kg | 9E2 | 43 | 28 | 19 |
| Phosphorus - Colwell | ma/ka | ** Rayment & Lyon: 2011 - 982 | <1 | 100 | 76 |
| Phosphorus - dray 2 | me/ke | ** Inhause S3A | <1 | 88 | 64 |
| Nitrate-N - KCLextractable | mg/kg | ** Inhouse 537 | +0.1 | 24.0 | 15.3 |
| Ammorium-N - KCl extractable | | ** Inhouse S37 | <0.1 | 3.3 | 3.0 |
| Sulfur - KCI extractable | mg/kg | ** Inhouse \$37 | <4 | 17 | 43 |
| рн (н20) | imits | Rayment & Lyons 2011 - 4A1 | 1 | 6.37 | 7.66 |
| Electrical Conductivity | d5/m | Rayment & Lynns 2011 - SA1 | <0.005 | 0.135 | 0.238 |
| Calcium - Exchangeable | cmmi+/kg | Rayment & Lynns 2011 - 1503 | <0.05 | 20.1 | 31.1 |
| Colcium - Exchangeoble | kg/ha: | Rayment & Lyuns 2011 - 1503 | <21 | 9000 | 14000 |
| Calcium - Exchangeable | mg/kg | Rayment & Lyons 2021 - 1503 | <10 | 4020 | 6230 |
| Magnesium - Exchangeable | cmolt/kg | Rayment & Lynns 2021 - 1503 | | 11.9 | 15.5 |
| Magnesium - Exchangeable | kg/ha | Rayment & Lynns 2011 - 1503 | the beautiful to the same of t | 3250 | 4220 |
| Magnesium - Exchangeable | mg/kg | Rayment & Lyuns 2011 - 1503 | 100 | 1450 | 1880 |
| Potassium – Exchangeable | cmoli/kg | Rayment & Lyons 2021 - 1503 | The second second second | 0.68 | 0.71 |
| Potassium - Exchangeable | kg/ha | Rayment & Lynns 2021 - 1503 | <112 | 593 | 626 |
| Potassium - Exchangeable | mg/kg | Rayment & Lynns 2011 - 1500 | 450 | 265 | 279 |
| Sodium - Eachungeable | cmole/kg | Rayment & Lyuns 2011 - 1503 | the State of the S | 0.47 | 1.13 |
| Sodium - Exchangeable | kg/ha | Rayment & Lyons 2021 - 1503 | 433 | 241 | 584 |
| Sodium - Eschengeable | mg/ka | Rayment & Lyons 2011 - 1503 | <13 | 108 | 261 |
| Aummum - Exchangeable | cmult/kg | ** Inhmore \$37 | <0.01 | 0.03 | 0.06 |
| Aluminium - Exchangeable | kg/ha | ** Inhouse \$37 | <1 | 5.6 | 12 |
| Aluminium - Exchangeable | mg/kg | ** Inhouse S37 | -41 | 2.5 | 5.3 |
| Hydrogen - Exchangeable | cmuls/kg | ** Rayment & Lyons 2011 - 15G1 | ×0.01 | 0.11 | < 0.01 |
| Hydrogen - Eschangeable | kg/ha | ** Rayment & Lyons 2011 - 15G1 | <4 | 2.4 | <1 |
| Hydrogen - Exchangeable | mg/kg | ** Rayment & Lyons 2011 15G1 | a | 1.1 | <1 |
| Calcium - Base Saturation | 16 | ** Calculation | <0.1 | 60: | .64 |
| Magnesium - Base Seturation | 94 | ** Calculation | ×0.1 | 56 | 32 |
| Potassium - Base Saturation | 76 | ** Calculation | +0.1 | 2.0 | 15 |
| Sodium - Have Saturation (ESP) | 16 | ** Calculation | +0.1 | 1.4 | 2.1 |
| Aluminium - Base Saturation | 16 | ** Calculation | <0.1 | +0.1 | 0.1 |
| Hydrogen - Base Saturation | % | ** Calculation | <0.1 | 0.3 | < 0.1 |
| Calcium/Magnesium Ratio | 444 | ** Calculation | +0.1 | 1.7 | 2.0 |
| Effective Cation Exchange Capacity | cmol+/kg | ** Calculation | - | 33.3 | 48.4 |
| Zine - DTPA | mg/kg | Raymont & Lynns 2011-12A1 | <0.5 | 2.7 | 1.2 |
| Manganese - DTPA | mg/kg | Rayment & Lyuns 2011 - 12A1 | <0.1 | 47.6 | 15.2 |
| ron - DTPA | mg/kg | Rayment & Lyons 2021 - 12A1 | 40.5 | 130 | 34.8 |
| Copper - OTPA | mg/kg. | Rayment & Lynna 2011 - 12A1 | =0.1 | 2.8 | 2.0 |
| Spron - CaCl2 extractable | mg/kg | ** Rayment & Lyons 2011 - | ×0.5 | 1.4 | 11 |
| Sticon - CaCI2 extractable | mg/kg | 12C2 ** Inhouse S11 | er: | 98 | 89 |
| Valve of the Control | ALTERNATION OF THE PARTY | mhouse \$4a | <0.02 | 3.69 | 3.59 |
| Carlion - Yotal | 14 | Inhouse 54a | +0.02 | 0.26 | 0.27 |
| Nitrogen - Total Carbon : Nitrogen Ratio | Ratio: | Inhouse S4a | <1 | 14.2 | 13.2 |
| La Principal Control of the Control of Contr | | Inhouse 54a | 10.04 | | 100000 |
| Estimated Organic Matter Basic Texture | - 16. | ** Inhouse S65 | 10.04 | 6.46 Clay | 6.28 Clay |







Certificate of Analysis

Request ID: EAL/E24-00-0942 Report ID: E24-00-0942_RCOAP1_1 Issue date: 28 November 2024

| | | Ci. | ent Sample ID. | | 2 | |
|-----------------------------------|-------|---|-----------------|------------------|------------------|--|
| | | | 5 November 2024 | 5 November 2024 | | |
| | | | Your Cheer. | Listeriann | Letmann | |
| | | | AL Sample (D) | E14-00:0942-0001 | £34-00-0947-0002 | |
| Parameter | tinit | Method Reference | LON | | - | |
| Basic Colour | - | ++ Inhause 565 | 200 | Brownish | Black | |
| Maximum Sail Chloride Extensee | mg/kg | ** Calculation (Electrical Conductivity x 640) | - | 86 | 152 | |

| | | Gateline | Outdelines | Light Soil Guidelines | Medium Soil Suddilines | Sandy Sad Guidelines |
|---------------------------------------|----------|--------------------------------|------------|-----------------------|---------------------------|-------------------------|
| Parameter | Unit | Method Reference | | - | | _ |
| Calcium - Soluble | mg/kg | ** Inhouse 510 - Morgan 1 | 1150 | 375 | 250 | 175 |
| Magnesium - Schible | mg/kg | ** Inhouse 510 - Morgan 1 | 160 | 60 | 105 | 25 |
| Portosskum – Solubly | mg/kg | ** Inhone 510 - Morgan 1 | 115 | 60 | 75 | 50 |
| Phosphorus - Soluble | mg/kg | ** Inhouse 510 - Morgan 1 | 15 | 10 | 12 | 5.0 |
| Phosphorus - Bray 1 | mg/kg | ** Rayment & Lyons 2011 - 962 | 46 | 24 | 30 | 20 |
| Phosphorus - Colwell | mg/kg | ** Rayment & Lyons 2011 - 983 | 80 | 45 | 50 | 35 |
| Phosphorus - Bray 2 | mg/kg | ** Inhone 53A | 90 | -48 | 60 | 40 |
| Nitrate-N - KCI extractable | mg/kg | ** Inhouse 537 | 15 | 10 | 13 | 10 |
| Ammonium-N - KCI extractable | mg/kg | ** Inhouse 537 | 30 | 15 | 18 | 12 |
| Sulfur - KCI extractable | mg/kg | ** Inhouse 537 | 10.0 | 8.0 | 8.0 | 7.0 |
| H (H20) | units | Rayment & Lyons 2011 - 4A1 | 6.5 | 6.3 | 6.5 | 6.3 |
| Historical Conductivity | d5/m | Rayment & Lyons 2011 - 3A1 | 0.200 | 0.130 | 0.150 | 0.100 |
| Calcium - Exchangeable | cook/kg | Raymeré & Lyons 2011 - 1503 | 15.6 | 5.0 | 10.8 | 1.9 |
| Calcium - Exchangealde | kg/ha | Raymant & Lyons 2011 - 1503 | 7000 | 2240 | 4816 | 840 |
| Calcium - Exchangeuble | mg/kg | Reyment & Lyons 2011 - 1503 | 3125 | 1000 | 2150 | 375 |
| Magnesium - Exchangeable | cmoli/kg | Raymunt & Lyons 2011 - 1503 | 2.4 | 1.2 | 1.7 | 0.60 |
| Magnesium - Exchangeable | kg/ha | Raymeré & Lyons 2011 - 1503 | 650 | 325 | 448 | 168 |
| Magnesium - Exchangeable | mg/kg | Raymant & Lyons 2011 - 1503 | 290 | 145 | 200 | 75 |
| Potassium - Exchangeable | smolt/kg | Rayment & Lyons 2011 - 1503 | 0.60 | 0.40 | 0.50 | 0.30 |
| Potassium - Exchangoable | kg/hà | Rayment & Lyons 2011 - 1503 | 526 | 336 | 426 | 224 |
| Potassium – Exchanguable | mg/kg | Rayment & Lyons 2011 - 1503 | 235 | 150 | 190 | 100 |
| sodium - Exchangeable | cmale/kg | Raymant & Lyons 2011 - 1503 | 0.3 | 0.22 | 0.26 | 0.11 |
| Sodium - Exchangeable | kg/ha | Rayment & Lyons 2011 - 1503 | 155 | 113 | 134 | 57 |
| sodium - Exchangeable | mg/kg | Rayment & Lyons 2011 - 1503 | 69 | 51 | 60 | 25 |
| Numinum - Exchangeable | cook/se | ** Inhouse 537 | 0.6 | 0.4 | 0.5 | 0.2 |
| Numinium - Exchangeable | kg/ha | ** Inhouse 537 | 121 | 23 | 101 | 50 |
| Numinum - Exchangeable | mg/kg | ** Inhouse 537 | 54 | 32 | 45 | 14 |
| dydrogen - Eschangeable | cmply/kg | ** Rayment & Lyons 2011 - 1561 | 0.6 | 0.4 | 0.5 | 0.2 |
| Hydrogen - Eschangeable | kg/ha | ** Rayment & Lyons 2011 - 1561 | 13 | 8 | 11 | 3 |
| Hydrogen - Eschangeable | mg/kg | ** Rayment & Lyoni 2011 - 1561 | 6 | 4 | - 5 | 2 |
| Calcium - Base Saturation | % | ** Calculation. | 77.6 | 65.6 | 75.7 | 57.4 |
| Magnesium - Hase Saturation | * | ** Calculation | 11.9 | 15.7 | 11.9 | 18.1 |
| Potassium - Base Saturation | . % | ** Calculation | 3.0 | 5.2 | 3.5 | 9.1 |
| Sodrum - Base Saturation (ESP) | N. | ** Calculation | 15 | 2.9 | 1.8 | 3.3 |
| Numinium - Base Saturation | % | ** Calculation | 3.0 | 5.2 | 3.5 | 6.0 |
| dydrogen - Base Saturation | * | ** Calculation | 5.0 | 5.2 | 3.5 | 6.0 |
| Calcium/Magnesium Ratio | 19- | ** Calculation | 6.5 | 4.2 | 6.4 | 3.2 |
| Effective Cation Exchange Capacity | cmate/kg | ** Calculation | 20.1 | 7.8 | 14.3 | 3.3 |
| Enc - DTPA | mg/kg | Rayment & Lyuns 2011 - 12A1 | 6.0 | 4.0 | 5.0 | 3.0 |
| Mangamese - DTPA | mg/kg | Rayment & Lyons 2011 - 12A1 | 25 | 18 | 22 | 15 |
| ron - DTPA | mg/kg | Rayment & Lybrs 2011 - 12A1 | 25 | 18 | 22 | 15 |
| Copper - OTPA | mg/kg | Raymure & Lyuns 2011 - 12A1 | 2.4 | 16 | 2.0 | 1.2 |
| Boron - CaCI2 extrastable | mu/ha | ** Rayment & Lyons 2011 - 1202 | 2.0 | 14 | 1.7 | 1.0 |
| Sficon - CaCIZ extractable | mg/kgt | ** Inhouse 511 | 50 | 40 | 45 | 35 |
| Carbon - Total | 16 | Inhouse S4a | 53.1 | > 2.0 | >2.6 | >14 |
| Nitropen - Tutul | 16 | Inhouse 54a | >0.38 | >0.20 | F 0.25 | >0.15 |
| Carbon : Nitragen Katio | Hatio | Inhouse \$4a | 10-12 | 10-12 | 10-12 | 10-12 |







Certificate of Analysis

Request ID: EAL/EZ4-00-0942 Report ID: E24-00-0942_RCOAP1_1 Issue date: 28 November 2024

| | | Qualifier | Phrany Sulf Guidelines | Light Soil founds hers | Medium Soil Guidelines | Earsty Sol Guidelines |
|------------------------------------|-------|---|---------------------------|------------------------|---------------------------|--------------------------|
| Parameter | Unit | Method Reference | 200 | | | - H |
| Estimated Organic Matter | 14 | Inhouse 54a | >5.5 | >3.5 | 54.5 | ×2.5 |
| Basic Texture | 100 | ** Inhouse 565 | 5,000 | - | 3522 | |
| Basic Colour | 44 | ** Inhouse 565 | | | | 22 |
| Maximum Soil Chloride Extinuite | mg/kg | ** Calculation (Electrical Conductivity x 640) | | | 120 | + |

Notes:

- All results presented as a 40°C over dried weight. Soil sieved and lightly crushed to < 2 mm.
- Conveniums to kg/ha = mg/kg x 2.24.
- Soluble salts are included in exchangeable cation results. No pre-wash is carried out unless specifically requested.
- The chiteride estimate result (Electrical Conductivity x 640) is considered an estimate, and is generally an over-estimate.
- ** denotes NATA accreditation does not cover the performance of this service.
- All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (available on request or at sculedulau/self).
- · Analysis conducted between sample arrival date and reporting date.
- . This report is not to be reproduced except in full.
- Results only relate to the item tested.
- Indicative guidelines are based on 'Albrecht' and 'Beams' concepts.
- Guidelines for phosphorus have been reduced for Australian soils.
- Methods from Rayment and Lyons, 2011; Soil Chemical Methods Australasia. CSIRO Publishing, Collingwood.
- The Morgan 1 Extract is adapted from "Science in Agriculture", "Non-Tonic Farming", and "Labhotto Soil Handbook".
- Conversions for 1 onel+/kg = 230 mg/kg Sodium, 390 mg/kg Potassium, 122 mg/kg Magnesium, 200 mg/kg Calcium

Annexure B – Cattle Observation Photos

Backgrounders BEFORE – Purchased at Sale



Backgrounders AFTER –Multispecies grazing

