

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Wilga  
07/04/2025  
g@gmail.com



ALBRECHT CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	13.29				
TEC	13.29				
Paramagnetism	100.00	200 - 1000			
pH-level (1:5 water)	7.30	6 - 6.8			
Organic Matter (Calc)	1.32 %	4 - 10 %			
Organic Carbon (LECO)	0.76 %	2 - 5 %			
Conductivity (1:5 water)	0.04 mS/cm	0.1 - 0.2 mS/cm			
Ca/Mg Ratio	1.47 :1	5.7 :1			
Nitrate-N (KCl)	3.40 ppm	10 - 20 ppm			
Ammonium-N (KCl)	1.90 ppm	10 - 20 ppm			
Phosphorus (Mehlich III)	8.10 ppm	50 - 70 ppm			
Calcium (Mehlich III)	1450.00 ppm	1808.5 ppm			
Magnesium (Mehlich III)	593.00 ppm	191.5 ppm			
Potassium (Mehlich III)	182.00 ppm	155 - 259 ppm			
Sodium (Mehlich III)	134.00 ppm	15 - 46 ppm			
Sulfur (KCl)	4.50 ppm	30 - 50 ppm			
Aluminium	4.30 ppm	0 - 6 ppm			
Silicon (CaCl2)	91.00 ppm	100 - 1000 ppm			
Boron (Hot CaCl2)	0.69 ppm	1 - 3 ppm			
Iron (DTPA)	30.20 ppm	40 - 200 ppm			
Manganese (DTPA)	56.90 ppm	30 - 100 ppm			
Copper (DTPA)	1.10 ppm	2 - 7 ppm			
Zinc (DTPA)	<0.5 ppm	5 - 10 ppm			
Texture	Clay Loam				
Colour	Brownish				
<b>Base Saturation</b> (Levels are not relevant in soils with a TEC below 5)					
Calcium	54.56 %	68.10 %			
Magnesium	37.19 %	12.00 %			
Potassium	3.51 %	3.00 - 5.00 %			
Sodium	4.38 %	0.50 - 1.50 %			
Aluminum	0.36 %	0.50 %			
Hydrogen	0.00 %	10.00 %			
Other Bases	0.00 %	5.00 %			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
Calcium	1670.00 ppm	1000 - 2000 ppm			
Magnesium	558.00 ppm	140 - 285 ppm			
Phosphorus	1.10 ppm	7 - 30 ppm			
Potassium	131.00 ppm	80 - 100 ppm			
<b>Explanatory Notes</b> The La Motte test gives an indication of the amount of plant available nutrients at the time of sampling.					

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Wilga  
07/04/2025  
g@gmail.com



T.A.E. CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
Sodium	165.00 ppm	100 - 500 ppm			
Potassium	772.00 ppm	200 - 2000 ppm			
Calcium	2060.00 ppm	1000 - 10000 ppm			
Magnesium	1460.00 ppm	500 - 5000 ppm			
Phosphorus	171.00 ppm	400 - 1500 ppm			
Aluminium	9940.00 ppm	2000 - 50000 ppm			
Copper	7.40 ppm	20 - 50 ppm			
Iron	13100.00 ppm	1000 - 50000 ppm			
Manganese	1350.00 ppm	200 - 2000 ppm			
Selenium	<0.5 ppm	0.6 - 2 ppm			
Zinc	14.00 ppm	20 - 50 ppm			
Boron	2.30 ppm	2 - 50 ppm			
Silicon	356.00 ppm	1000 - 3000 ppm			
Cobalt	13.00 ppm	2 - 40 ppm			
Molybdenum	0.64 ppm	0.5 - 2 ppm			
Sulfur	<50.0 ppm	100 - 1000 ppm			
Explanatory Notes T.A.E. (Total Acid Extractable) *Ideal T.A.E. levels provided by Environmental Analysis Laboratory					

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Zilzie 1  
07/04/2025  
g@gmail.com



ALBRECHT CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	20.16				
TEC	20.16				
Paramagnetism	100.00	200 - 1000			
pH-level (1:5 water)	7.80	6 - 6.8			
Organic Matter (Calc)	1.63 %	4 - 10 %			
Organic Carbon (LECO)	0.93 %	2 - 5 %			
Conductivity (1:5 water)	0.06 mS/cm	0.1 - 0.2 mS/cm			
Ca/Mg Ratio	2.46 :1	5.7 :1			
Nitrate-N (KCl)	2.60 ppm	10 - 20 ppm			
Ammonium-N (KCl)	1.00 ppm	10 - 20 ppm	Extremely Low		
Phosphorus (Mehlich III)	16.90 ppm	50 - 70 ppm			
Calcium (Mehlich III)	2540.00 ppm	2743.5 ppm			
Magnesium (Mehlich III)	619.00 ppm	290.5 ppm			
Potassium (Mehlich III)	331.00 ppm	236 - 393 ppm			
Sodium (Mehlich III)	319.00 ppm	23 - 70 ppm			
Sulfur (KCl)	2.90 ppm	30 - 50 ppm	Extremely Low		
Aluminium	5.60 ppm	0 - 9 ppm			
Silicon (CaCl2)	119.00 ppm	100 - 1000 ppm			
Boron (Hot CaCl2)	0.95 ppm	1 - 3 ppm			
Iron (DTPA)	11.90 ppm	40 - 200 ppm			
Manganese (DTPA)	28.60 ppm	30 - 100 ppm			
Copper (DTPA)	1.10 ppm	2 - 7 ppm			
Zinc (DTPA)	<0.5 ppm	5 - 10 ppm			
Texture	Clay Loam				
Colour	Brownish				
Base Saturation (Levels are not relevant in soils with a TEC below 5)					
Calcium	63.01 %	68.10 %			
Magnesium	25.59 %	12.00 %			
Potassium	4.21 %	3.00 - 5.00 %			
Sodium	6.88 %	0.50 - 1.50 %			
Aluminum	0.31 %	0.50 %			
Hydrogen	0.00 %	10.00 %			
Other Bases	0.00 %	5.00 %			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
Calcium	2590.00 ppm	1000 - 2000 ppm			
Magnesium	507.00 ppm	140 - 285 ppm			
Phosphorus	2.40 ppm	7 - 30 ppm			
Potassium	197.00 ppm	80 - 100 ppm			
Explanatory Notes The La Motte test gives an indication of the amount of plant available nutrients at the time of sampling.					

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Zilzie 1  
07/04/2025  
g@gmail.com



T.A.E. CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
Sodium	336.00 ppm	100 - 500 ppm			
Potassium	1440.00 ppm	200 - 2000 ppm			
Calcium	3500.00 ppm	1000 - 10000 ppm			
Magnesium	2470.00 ppm	500 - 5000 ppm			
Phosphorus	136.00 ppm	400 - 1500 ppm			
Aluminium	12200.00 ppm	2000 - 50000 ppm			
Copper	9.90 ppm	20 - 50 ppm			
Iron	11400.00 ppm	1000 - 50000 ppm			
Manganese	1470.00 ppm	200 - 2000 ppm			
Selenium	<0.5 ppm	0.6 - 2 ppm			
Zinc	22.00 ppm	20 - 50 ppm			
Boron	3.00 ppm	2 - 50 ppm			
Silicon	266.00 ppm	1000 - 3000 ppm			
Cobalt	9.40 ppm	2 - 40 ppm			
Molybdenum	0.33 ppm	0.5 - 2 ppm			
Sulfur	69.70 ppm	100 - 1000 ppm			
Explanatory Notes T.A.E. (Total Acid Extractable) *Ideal T.A.E. levels provided by Environmental Analysis Laboratory					

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Wards  
07/04/2025  
g@gmail.com



ALBRECHT CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	22.74				
TEC	22.74				
Paramagnetism	100.00	200 - 1000			
pH-level (1:5 water)	8.70	6 - 6.8			
Organic Matter (Calc)	1.56 %	4 - 10 %			
Organic Carbon (LECO)	0.89 %	2 - 5 %			
Conductivity (1:5 water)	0.27 mS/cm	0.1 - 0.2 mS/cm			
Ca/Mg Ratio	2.97 :1	5.7 :1			
Nitrate-N (KCl)	66.50 ppm	10 - 20 ppm			
Ammonium-N (KCl)	1.60 ppm	10 - 20 ppm			
Phosphorus (Mehlich III)	14.60 ppm	50 - 70 ppm			
Calcium (Mehlich III)	3010.00 ppm	3095 ppm			
Magnesium (Mehlich III)	609.00 ppm	327.5 ppm			
Potassium (Mehlich III)	316.00 ppm	266 - 443 ppm			
Sodium (Mehlich III)	403.00 ppm	26 - 78 ppm			
Sulfur (KCl)	21.00 ppm	30 - 50 ppm			
Aluminium	4.60 ppm	0 - 10 ppm			
Silicon (CaCl2)	60.00 ppm	100 - 1000 ppm			
Boron (Hot CaCl2)	1.30 ppm	1 - 3 ppm			
Iron (DTPA)	8.30 ppm	40 - 200 ppm			
Manganese (DTPA)	5.80 ppm	30 - 100 ppm			
Copper (DTPA)	0.90 ppm	2 - 7 ppm			
Zinc (DTPA)	<0.5 ppm	5 - 10 ppm			
Texture	Clay Loam				
Colour	Brownish				
Base Saturation (Levels are not relevant in soils with a TEC below 5)					
Calcium	66.19 %	68.10 %			
Magnesium	22.32 %	12.00 %			
Potassium	3.56 %	3.00 - 5.00 %			
Sodium	7.71 %	0.50 - 1.50 %			
Aluminum	0.22 %	0.50 %			
Hydrogen	0.00 %	10.00 %			
Other Bases	0.00 %	5.00 %			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
Calcium	3990.00 ppm	1000 - 2000 ppm			
Magnesium	561.00 ppm	140 - 285 ppm			
Phosphorus	2.60 ppm	7 - 30 ppm			
Potassium	200.00 ppm	80 - 100 ppm			
Explanatory Notes The La Motte test gives an indication of the amount of plant available nutrients at the time of sampling.					

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Wards  
07/04/2025  
g@gmail.com



T.A.E. CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
Sodium	522.00 ppm	100 - 500 ppm			
Potassium	1460.00 ppm	200 - 2000 ppm			
Calcium	5090.00 ppm	1000 - 10000 ppm			
Magnesium	2670.00 ppm	500 - 5000 ppm			
Phosphorus	93.30 ppm	400 - 1500 ppm			
Aluminium	13300.00 ppm	2000 - 50000 ppm			
Copper	9.40 ppm	20 - 50 ppm			
Iron	12800.00 ppm	1000 - 50000 ppm			
Manganese	807.00 ppm	200 - 2000 ppm			
Selenium	<0.5 ppm	0.6 - 2 ppm			
Zinc	21.00 ppm	20 - 50 ppm			
Boron	5.60 ppm	2 - 50 ppm			
Silicon	212.00 ppm	1000 - 3000 ppm			
Cobalt	10.00 ppm	2 - 40 ppm			
Molybdenum	0.24 ppm	0.5 - 2 ppm			
Sulfur	130.00 ppm	100 - 1000 ppm			
Explanatory Notes T.A.E. (Total Acid Extractable) *Ideal T.A.E. levels provided by Environmental Analysis Laboratory					

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Z1 Fence  
07/04/2025  
g@gmail.com



ALBRECHT CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	19.3				
TEC	19.3				
Paramagnetism	90.00	200 - 1000			
pH-level (1:5 water)	7.90	6 - 6.8			
Organic Matter (Calc)	2.01 %	4 - 10 %			
Organic Carbon (LECO)	1.15 %	2 - 5 %			
Conductivity (1:5 water)	0.05 mS/cm	0.1 - 0.2 mS/cm			
Ca/Mg Ratio	3.65 :1	5.7 :1			
Nitrate-N (KCl)	3.50 ppm	10 - 20 ppm			
Ammonium-N (KCl)	2.00 ppm	10 - 20 ppm			
Phosphorus (Mehlich III)	11.90 ppm	50 - 70 ppm			
Calcium (Mehlich III)	2810.00 ppm	2627 ppm			
Magnesium (Mehlich III)	462.00 ppm	278 ppm			
Potassium (Mehlich III)	328.00 ppm	226 - 376 ppm			
Sodium (Mehlich III)	116.00 ppm	22 - 67 ppm			
Sulfur (KCl)	6.00 ppm	30 - 50 ppm			
Aluminium	5.20 ppm	0 - 9 ppm			
Silicon (CaCl2)	79.00 ppm	100 - 1000 ppm			
Boron (Hot CaCl2)	1.10 ppm	1 - 3 ppm			
Iron (DTPA)	10.80 ppm	40 - 200 ppm			
Manganese (DTPA)	17.20 ppm	30 - 100 ppm			
Copper (DTPA)	0.80 ppm	2 - 7 ppm			
Zinc (DTPA)	<0.5 ppm	5 - 10 ppm			
Texture	Clay Loam				
Colour	Brownish				
<b>Base Saturation</b> (Levels are not relevant in soils with a TEC below 5)					
Calcium	72.79 %	68.10 %			
Magnesium	19.94 %	12.00 %			
Potassium	4.36 %	3.00 - 5.00 %			
Sodium	2.61 %	0.50 - 1.50 %			
Aluminum	0.30 %	0.50 %			
Hydrogen	0.00 %	10.00 %			
Other Bases	0.00 %	5.00 %			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
Calcium	3090.00 ppm	1000 - 2000 ppm			
Magnesium	385.00 ppm	140 - 285 ppm			
Phosphorus	1.60 ppm	7 - 30 ppm			
Potassium	202.00 ppm	80 - 100 ppm			
<b>Explanatory Notes</b> The La Motte test gives an indication of the amount of plant available nutrients at the time of sampling.					

**DATE:**  
**NAME:**  
**ADDRESS:**

07/18/2025  
Tim Cook  
NTS HQ

**LAND USE:**  
**Paddock:**  
**SAMPLE REC:**  
**EMAIL:**

Oats  
Z1 Fence  
07/04/2025  
g@gmail.com



T.A.E. CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
Sodium	176.00 ppm	100 - 500 ppm	<div></div>		
Potassium	2050.00 ppm	200 - 2000 ppm	<div></div>		
Calcium	4200.00 ppm	1000 - 10000 ppm	<div></div>		
Magnesium	2650.00 ppm	500 - 5000 ppm	<div></div>		
Phosphorus	119.00 ppm	400 - 1500 ppm	<div></div>		
Aluminium	15300.00 ppm	2000 - 50000 ppm	<div></div>		
Copper	9.90 ppm	20 - 50 ppm	<div></div>		
Iron	11700.00 ppm	1000 - 50000 ppm	<div></div>		
Manganese	1280.00 ppm	200 - 2000 ppm	<div></div>		
Selenium	<0.5 ppm	0.6 - 2 ppm			
Zinc	25.00 ppm	20 - 50 ppm	<div></div>		
Boron	4.40 ppm	2 - 50 ppm	<div></div>		
Silicon	623.00 ppm	1000 - 3000 ppm	<div></div>		
Cobalt	8.60 ppm	2 - 40 ppm	<div></div>		
Molybdenum	0.34 ppm	0.5 - 2 ppm	<div></div>		
Sulfur	107.00 ppm	100 - 1000 ppm	<div></div>		
<b>Explanatory Notes</b> T.A.E. (Total Acid Extractable) *Ideal T.A.E. levels provided by Environmental Analysis Laboratory					



DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Back of Rays  
07/04/2025  
g@gmail.com



ALBRECHT CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	23.04				
TEC	23.04				
Paramagnetism	90.00	200 - 1000			
pH-level (1:5 water)	8.40	6 - 6.8			
Organic Matter (Calc)	1.89 %	4 - 10 %			
Organic Carbon (LECO)	1.08 %	2 - 5 %			
Conductivity (1:5 water)	0.14 mS/cm	0.1 - 0.2 mS/cm			
Ca/Mg Ratio	3.57 :1	5.7 :1			
Nitrate-N (KCl)	20.40 ppm	10 - 20 ppm			
Ammonium-N (KCl)	1.00 ppm	10 - 20 ppm	Extremely Low		
Phosphorus (Mehlich III)	30.40 ppm	50 - 70 ppm			
Calcium (Mehlich III)	3310.00 ppm	3136 ppm			
Magnesium (Mehlich III)	557.00 ppm	332 ppm			
Potassium (Mehlich III)	544.00 ppm	270 - 449 ppm			
Sodium (Mehlich III)	90.00 ppm	26 - 79 ppm			
Sulfur (KCl)	8.40 ppm	30 - 50 ppm			
Aluminium	5.20 ppm	0 - 10 ppm			
Silicon (CaCl2)	103.00 ppm	100 - 1000 ppm			
Boron (Hot CaCl2)	0.74 ppm	1 - 3 ppm			
Iron (DTPA)	4.70 ppm	40 - 200 ppm			
Manganese (DTPA)	8.30 ppm	30 - 100 ppm			
Copper (DTPA)	0.80 ppm	2 - 7 ppm			
Zinc (DTPA)	<0.5 ppm	5 - 10 ppm			
Texture	Clay Loam				
Colour	Brownish				
Base Saturation (Levels are not relevant in soils with a TEC below 5)					
Calcium	71.85 %	68.10 %			
Magnesium	20.15 %	12.00 %			
Potassium	6.06 %	3.00 - 5.00 %			
Sodium	1.70 %	0.50 - 1.50 %			
Aluminum	0.25 %	0.50 %			
Hydrogen	0.00 %	10.00 %			
Other Bases	0.00 %	5.00 %			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL	IDEAL LEVEL	NUTRIENT STATUS		
			LOW	MEDIUM	HIGH
Calcium	41.00 ppm	1000 - 2000 ppm	Extremely Low		
Magnesium	4.61 ppm	140 - 285 ppm	Extremely Low		
Phosphorus	1.00 ppm	7 - 30 ppm			
Potassium	25.00 ppm	80 - 100 ppm			
Explanatory Notes The La Motte test gives an indication of the amount of plant available nutrients at the time of sampling.					

DATE:  
NAME:  
ADDRESS:

07/18/2025  
Tim Cook  
NTS HQ

LAND USE:  
PADDOCK:  
SAMPLE REC:  
EMAIL:

Oats  
Back of Rays  
07/04/2025  
g@gmail.com



T.A.E. CATEGORY	YOUR LEVEL	ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
Sodium	164.00 ppm	100 - 500 ppm	<div></div>		
Potassium	2710.00 ppm	200 - 2000 ppm	<div></div>		
Calcium	5230.00 ppm	1000 - 10000 ppm	<div></div>		
Magnesium	3250.00 ppm	500 - 5000 ppm	<div></div>		
Phosphorus	141.00 ppm	400 - 1500 ppm	<div></div>		
Aluminium	15600.00 ppm	2000 - 50000 ppm	<div></div>		
Copper	11.00 ppm	20 - 50 ppm	<div></div>		
Iron	11900.00 ppm	1000 - 50000 ppm	<div></div>		
Manganese	1510.00 ppm	200 - 2000 ppm	<div></div>		
Selenium	<0.5 ppm	0.6 - 2 ppm			
Zinc	23.00 ppm	20 - 50 ppm	<div></div>		
Boron	5.20 ppm	2 - 50 ppm	<div></div>		
Silicon	571.00 ppm	1000 - 3000 ppm	<div></div>		
Cobalt	10.00 ppm	2 - 40 ppm	<div></div>		
Molybdenum	<0.2 ppm	0.5 - 2 ppm			
Sulfur	111.00 ppm	100 - 1000 ppm	<div></div>		
Explanatory Notes T.A.E. (Total Acid Extractable) *Ideal T.A.E. levels provided by Environmental Analysis Laboratory					