DATE:	07/16/2025	**LAND USE:**	Oats
NAME:	Franz Hentze	**PADDOCK:**	Wilga
ADDRESS:	NTS HQ	**SAMPLE REC:**	07/09/2025
		EMAIL:	franz@gmail.com

NTS Nutri-Tech Solutions®

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	35 - 50 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	3 - 10 ppm			
Texture	Clay Loam				
Colour	Brownish				
Base Saturation (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			

Explanatory Notes The La Motte test gives an indication of the amount of plant available nutrients at the time of sampling.

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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