### **Our Mission**

To accelerate and drive biological, regenerative growing.

To support the grower through education and positive advice.

To make infertile soil..... fertile!

To minimise the use of harsh

chemicals, pesticides & biocides

To make growing satisfying and fun

We are committed to providing real, practical solutions to eco-friendly growing and education for the long-term benefit of the grower, the soil, and the environment.



My Whitestone farms—Bio-dynamic grower benefits from Soil Nutrition Diagnostics.

#### Proud consultants to:-

AFL Queensland

Brisbane City Council

**Balonne Shire Council** 

Sandgate Hawks AFC

Gold Coast Council

Southport Sharks

Sandgate Hawks AFC

See us for your soil testing and maintenance programs.



Soil & Plant nutrient lab analysis service & diagnostics. Fertiliser programs, remedies and recommendations. Soil nutrition training, workshops and guest speaking.

**Gardens - Sportsfields - Farms - Trees** 

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### Soil Nutrition Diagnostics Service™



# Your path to healthy growing starts here!

Ph 0409729416 soilhealthsolutions.com.au

## Why—Soil Nutrition Diagnostics<sup>™</sup>?

For **healthy** plants and crops we require healthy soil, and it is virtually **impossible** for the grower to know what is required in his soil or potting medium without laboratory scientific diagnosis. Our inexpensive **Soil** 



Nutrition Diagnostics™ service makes it easy to get your soil or growing medium tested at inde-

Healthy soil, Healthy roots, Maximun yield, Minimal pest & disease pressure.

pendent laboratories & have the data interpreted into an easy to read booklet.

This report will identify soil deficiencies and excesses and, our analysis of the data and recommendations, will ensure you are on

the right path to maximum plant health year after year.

Data supplied by Environmental Analysis Laboratory. Southern Cross University



Parameter		Method reference	Your Level	IDEAL LEVEL	LOW	MEDIUM
(mg/kg)		LAMOTTE/REAMS CATEGORY **Inhouse 510 - Mongan, This category indicates the amount of plant available nutrients in the sample.	3801	1000 - 2000	_	
ium (mg/kg)			673	140 - 265		
am (mg/kg)			212	80 - 100		
orus (mg/kg)			42	20 - 80	_	
(mg/kg N)			6.8	10 - 20		
oges (mg/kg N)			9.7	10 - 20		
(kg P)		**Rayment & Lyons 2011 - 18F1 (Mehlich)	154	50 - 70		
		**finhouse 537 (KCI)	15	30 - 50	_	
		Rayment & Lyons 2011 - 4A1 (1.5 Water)	7.1	6-7	_	
ectivity (dS/re)		Rayment & Lyons 2011 - 3A1 (1:5 Water)	0.157	01-02	_	
nic Matter (% CM)		**Calculation - Total Carbon x 1.75	16.00	4 . 10	_	
alcium (mg/kg) lagnesium (mg/kg) otassium (mg/kg)		**Rayment & Lyono 2011 - 18F1	5083	4550 - 5250	_	
			950	427 - 641		
			351	410 - 686		
odium	(mg/kg)		204	40 25 - 120 75	_	
luminium	(mg/kg)	**Calculations	12.00	6-8	_	
hange - Inc. H / J TCE			35.00			
		"Calculation - Sum of CaMg.K.Na.Al.H (cmol., /kg)	35.00			
		**BLSE SATURATION Calculations - Carlon creal*/kg / ECEC x 190 - (Levels not relevent in soil with a TEC below 5)	73.00	65 - 75		
			22.00	10 - 15		
			2.60	3-5		
i) 49h			2.50	0.5 - 1.5		
			0.00	8 - 12		
er Dases (%)			0.39	0.4 - 0.6		
sium Ratio		**Culturation - Coloium / Magnesium (omol./kg)	3.20:1	6-7		
/kg)		Rayment & Lyono 2011 - 12A1 (DTPA)	24.0	5 - 10		
			17	30 - 100		
			211	40 - 200		
			2.0	2-7		
		**Rayment & Lyons 2011 - 12C2 (Hot CaCl <sub>2</sub> )	1.60	1-3		
10		**Inhouse S11 (Hot CuCl2)	50	100 - 300		
(µ095)		**Paramagnetic Count Soil Meter	310	200 - 400		
m ratio			19:1	10:1-20:1	_	
		Minhouse SAS	Leam			

### **Soil Management**

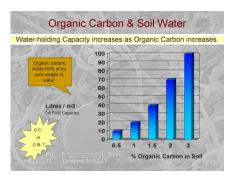
Healthy soil requires a management of five key areas.



Many current fertilising practices create **imbalances** that result in problem growing conditions and a higher reliance on harsh chemicals, pesticides and fungicides. Rarely do conventional fertiliser programs include organic matter (OM) and biology management.

### Save water, save nutrient

Many Australian soils are nutrient deficient, too sandy and have low carbon levels. That means fertiliser is prone to leach through the soil profile and structure. Our Soil Nutrition Diagnostics™ report will empower you with the knowledge to develop your own strategies to help improve your individual soil and growing requirements.



Increasing Soil Carbon Levels increases soil water holding capacity.

#### Who Should test their Soil?



Hard, patchy, sports fields can improve dramatically with good soil nutrition.—Sandgate Hawks AFL Commercial growers, Production nurseries, Council parks staff,

Turf growers,
Golf & bowling club
grounds staff,
School maintenance
staff.

Landscapers & Arborists who:-

- Want to maximise plant health and production with **minimal** water use.
- Intend to develop **your own** eco friendly program that suits your specific needs
- Want **easy**, eco friendly practices that can be applied by skilled or unskilled staff
- Pride themselves on having skills to develop beautiful plants, gardens and produce that is nutrient rich, **pest** and **disease free** without harsh chemical inputs.
- Want to learn about the different elements and components of plants and the soil food web, what they do, and how you can work WITH nature for maximum plant health, yields and reduced costs.
- Want the **confidence** to advise on best practices for customers and clients.
- Have specific growing requirements and want to **reduce** harsh chemical and pesticide use.
- Want information on how to identify problem areas and what to do about them.

SOME CORNERS CAN BE CUT WHEN DEVEL-OPING FERTILISER PROGRAMS BUT SKIMP-ING ON BASIC SOIL NUTRITION IS NOT ONE OF THEM.

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