

















Trading Name	EUREKA FARM	Property	Eureka Farm	Paddock	Orchard Apple & Far Nectarine
Adviser	Leonard Youd 0409 332 473	Soil Type	Sandy Loam	Size (ha)	0
Date Sampled	21/09/2011	Target Yield		Sample Depth	0-7.5cm
Date Reported	05/10/2011	Lab Report No	80057470S2	Sample No	IF003876
		Chart	Apple and Pear (Bearing) - All soil types		

Analyte	Result	Units	Status	Visual Scale	Ideal Range
pH Water 1:5 H2O	6		Adequate		6-7
Organic Carbon (OC) (Walkley-Black)	2.05	%	Marginal		2.3-5.3
Chloride (Cl)	9	mg/kg	Adequate		0-180
Electrical Conductivity (EC) 1:5 water	0.037	dS/m			
EC (se)	0.3811	dS/m	Adequate		0-1.7
Electrochemical Stability Index (ESI)	0.052				
Phosphorus (P) Olsen	9.1	mg/kg	Low		40-45
Sulfate Sulfur (S) MCP	6	mg/kg	Low		20-100
Exchangeable Potassium (K) Amm-acet.	0.18	cmol (+)/kg	Low		0.66-1.15
Exchangeable Calcium (Ca) Amm-acet.	6.74	cmol (+)/kg	Adequate		5-5000
Exchangeable Magnesium (Mg) Amm-acet.	1.46	cmol (+)/kg	Marginal		1.6-10
Exchangeable Sodium (Na) Amm-acet.	0.06	cmol (+)/kg			
Exchangeable Aluminum (Al) KCl	0.038	cmol (+)/kg	Adequate		0-1.1
ECEC	8.44	cmol (+)/kg			
Magnesium % Cations	17.3	%			
Sodium % Cations	0.7	%	Adequate		0-5
Boron (B) hot CaCl2	0.42	mg/kg	Low		2-3
Copper (Cu) DTPA	2.7	mg/kg	Adequate		1-10
Iron (Fe) DTPA	66.64	mg/kg	Adequate		4-100
Manganese (Mn) DTPA	5.24	mg/kg	Marginal		10-45
Zinc (Zn) DTPA	2.26	mg/kg	Marginal		2.5-20

Comments:

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Organic Carbon	Marginal	The soil organic matter content is marginal and if it has declined significantly this may affect the physical, biological and chemical fertility of the soil. Increase organic matter.
Phosphorus	Low	Available soil phosphorus (P) is low and is likely to limit production.
Sulfate Sulfur	Low	Available soil S is low and may limit production. Use a sulfate sulfur fertiliser.
Exchangeable Potassium	Low	Soil potassium is low and may limit production. Impact Plant tissue analysis is recommended in mid summer to monitor plant levels and adjust K fertiliser rates.
Exchangeable Magnesium	Marginal	Include Causmag with fertiliser or consider applying dolomite, depending on soil pH.
Boron	Low	Check status with Impact plant tissue analysis. Consider adding boron to fertiliser blend to supply 1.9 kg B/ha (12.7 kg/ha sodium borate).
Manganese	Marginal	Consider adding manganese to fertiliser blend to supply 2.5 kg Mn/ha (7.7 kg/ha manganese sulfate).
Zinc	Marginal	Consider adding zinc to fertiliser blend to supply 3.45 kg Zn/ha (9.75 kg/ha zinc sulfate).

Recommendations:

Product	Rate	Application	Timing	Tonnes
Impact 0-7-10-13	500 kg/ha	Broadcast	Prior to active growing season	0
+38kg/t Impact Ulexite (10% B) +96kg/t Impact Causmag +16kg/t Impact Manganeses Sulphate +19kg/t Impact Zinc Sulphate				
Impact Sulfate of Potash (SOP)	125 kg/ha	Broadcast	As required	0
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IMPORTANT NOTE:

The evaluation and recommendation reports provided here are a guide only, and depend on representative samples being analysed. Additionally environmental and managerial factors influence production, therefore as suppliers of the report, Impact Fertilisers Pty Ltd, its employees and agent do not accept any liability whatsoever arising from the application of recommendations, for any damage, loss or injury of any nature and the user takes these evaluations and recommendations on these terms. This recommendation is made in good faith, based on the best technical information available.