

Soil Analysis Report

Heavy Metal Analysis (Soil)

Customer:	Youth Reform Self Help Group	Crop Type:	Vegetables (General)	Date Received:	15-May-08
Farm Name:	Kambi Muru	Yield Target (t/ha):		Report Date:	27-May-08
Contact Person:		Comments:		Sample ID:	CY004SA0001

Field: Sample 1

Top Soil

Important: To maintain the correct history ensure the next sample sent from this field is labelled: Sample 1.

History (last 4 analysis)

Parameter	Unit	Result	Guide Low	Guide High	Low	Optimum	High	Symbol	Current
Copper	ppm	35.20	2.10	3.00				Cu	35.20
Boron	ppm	3.31	2.10	3.00				B	3.31
Zinc	ppm	397.70	4.10	10.00				Zn	397.70
Arsenic	ppm	4.08		< 20.00				AS	4.08
Cadmium	ppm	0.51		< 30.00				Cd	0.51
Chromium	ppm	26		< 200				Cr	26
Lead	ppm	113		< 450				Pb	113
Nickel	ppm	15.00		< 75.00				Ni	15.00
Mercury	ppm	0.04		< 15.00				Hg	0.04

Comments

>Excess boron can result in margins of older leaves turning brown and black while the rest of the leaf remains green. Leave margins burn, and falls from the plant while midrib remains behind. >Excess copper can result in chlorosis between the veins. Fe deficiency develops. >High levels of zinc can induce iron deficiency. Glassy lesions are formed on old leaves along the midrib and other veins. The lesions are transparent but remain light green while the rest of the leaf turns yellow and later brown.

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Contact Person:		Comments:		Sample ID:	CY004SA0002

Field: Sample 2

Top Soil

Important: To maintain the correct history ensure the next sample sent from this field is labelled: Sample 2.

History (last 4 analysis)

Parameter	Unit	Result	Guide Low	Guide High	Low	Optimum	High	Symbol	Current
Copper	ppm	39.50	2.10	3.00				Cu	39.50
Boron	ppm	4.48	2.10	3.00				B	4.48
Zinc	ppm	576.30	4.10	10.00				Zn	576.30
Arsenic	ppm	3.53		< 20.00				AS	3.53
Cadmium	ppm	0.63		< 30.00				Cd	0.63
Chromium	ppm	22		< 200				Cr	22
Lead	ppm	807		< 450				Pb	807
Nickel	ppm	13.50		< 75.00				Ni	13.50
Mercury	ppm	0.10		< 15.00				Hg	0.10

Comments

>Excess boron can result in margins of older leaves turning brown and black while the rest of the leaf remains green. Leave margins burn, and falls from the plant while midrib remains behind. >Excess copper can result in chlorosis between the veins. Fe deficiency develops. >High levels of zinc can induce iron deficiency. Glassy lesions are formed on old leaves along the midrib and other veins. The lesions are transparent but remain light green while the rest of the leaf turns yellow and later brown. >Can inhibit cell growth at very high concentrations.