



Excellent Chemical 1:2 extraction
kas 3



Your client number is:

Original

Sample	Research-/ordernumber: 110601/003034692	Date sampling: 25-03-2013	Date report: 12-06-2013	Code of object: 3
	Soil type: Marine clay	Receiving date: 26-03-2013	Sample was taken by:	Contactperson sampling:

Results

	analysis	target	appreciation	basic scheme	correction	A+B tank	
pH	8,5						
mS/cm 25°C	EC	1,0	0,8	1,2			
Cations mmol/l	NH ₄	< 0,1	0,1	0,4		1,0	
	K	1,0	1,0	4,0	1,5	5,5	
	Na	1,3					
	Ca	2,0	1,5		2,0	-1,0	1,0
	Mg	1,4	0,8		1,0		1,0
Anions mmol/l	NO ₃	4,5	2,0	high	8,4		7,5
	Cl	0,5					
	S	1,7	1,5		1,0	0,5	1,5
	HCO ₃	< 0,1					
	P	0,41	0,10	high			
Micro-nutrients µmol/l	Fe	1,8	8,0	low	5,0	7,0	12
	Mn	< 0,5	1,0		2,0	1,0	3,0
	Zn	0,3	1,0	low	1,0	2,0	3,0
	B	13	15	high	10		10
	Cu	0,1	0,5	low	0,3	0,2	0,5
	Mo	1,2	0,3	high			
mmol/l	Si	0,17					

Recommend.

Calcium nitrate	37,0	kg
Potassium nitrate	45,2	kg
Ammonium nitrate liquid	8,0	l
Chelated iron DTPA 6% +	963	g
Chelated iron EDDHA 6%	963	g

A

Quantity of tank per: 1000 liter

Potassium nitrate	32,8	kg
Sulphate of potash	14,9	kg
Magnesium sulphate	42,2	kg
Ammonium nitrate liquid	8,0	l
Manganese sulphate 32%	85	g
Zinc sulphate 23%	150	g
Borax	165	g
Copper sulphate	21	g

B

Please maintain one A+B tank. Fertilizer type: solid

Explanation

- Maintain adjustments for at most 4 weeks.
- Fertilize with an EC of 0.3 mS/cm) of the mixture below and alternate this with waterings with clean water.
- Composition in percentages:
K : 18,6 Ca : 3,6 Mg : 2,1 N : 9,9 S : 4,1 P : 0,0
- Iron chelate : due to the rather high pH, we recommend 50% as Fe-EDDHA

Crop data

Crop:	Chysanthemum		Type of crop:	Drip irrigation		Water system:	Growing system:	
Nitrogen	1980	mg N/kg	Clay	5	%			
P-Al	158	mg P ₂ O ₅ /100 g	CaCO ₃	1,6	%			
pH	6,6		CEC	213	mmol+/kg			
Organic matter	6,4	%	Soil life	14	mg N/kg			

History	pH	EC mS/cm	NH ₄ mmol/l	K	Na	Ca	Mg	NO ₃	Cl	S	HCO ₃	P	Si	Fe μmol/l	Mn	Zn	B	Cu	Mo
26-03-13	6,5	1,0	< 0,1	1,0	1,3	2,0	1,4	4,5	0,5	1,7	< 0,1	0,41	0,17	1,8	< 0,5	0,3	13	0,1	1,2
25-03-13	6,3	0,6	< 0,1	1,9	1,4	0,4	0,3	2,2	< 0,2	0,8	< 0,1	0,22	0,17	8,3	< 0,5	0,9	34	0,3	0,5
18-03-13																			

Method

pH	Q	Err: KG-PH	HCO ₃	Q	Err: KGEXTR en SFAHFD
EC	Q	Err: KGEXTR en EC1	P	Q	Err: KGEXTR en ICP-HSP
NH ₄	Q	Err: KGEXTR en SFAHFD	Fe	Q	Err: KGEXTR en ICP-HSP
K	Q	Err: KGEXTR en ICP-HSP	Mn	Q	Err: KGEXTR en ICP-HSP
Na	Q	Err: KGEXTR en ICP-HSP	Zn	Q	Err: KGEXTR en ICP-HSP
Ca	Q	Err: KGEXTR en ICP-HSP	B	Q	Err: KGEXTR en ICP-HSP
Mg	Q	Err: KGEXTR en ICP-HSP	Cu	Q	Err: KGEXTR en ICP-HSP
NO ₃	Q	Err: KGEXTR en SFAHFD	Mo	Q	Err: KGEXTR en ICP-HSP
Cl	Q	Err: KGEXTR en SFAHFD	Si	Q	Err: KGEXTR en ICP-HSP
S	Q	Err: KGEXTR en ICP-HSP			

Q Method accredited by RvA

Gw: Equivalent of, Ct: In conformity with

All procedures have been completed within the maximum shelf life between sampling and analysis.

The results are determined in a 1:2 (w/v) extract in water.