Fertilization and Management Advice

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General Information

Sample Number : AAASA00680A18 | Date : 2018-04-24 | Field Name : GREEN HOUSE | Field Size : 0.12 acre | Soil Texture : Loamy Sand
Crop Name : tomato | Target Yield : 800 kg

Actual Nutrient Need(in kg)

Parameter	Nitrogen	Phosphorus	Sulfur	Zinc	Iron	Mn	organic matter	Lime
	1.9 kg	1.3 kg	0.1 kg	0.1 kg	0.1 kg	0.1 kg	83.3 kg	2.9 kg

Fertilizer Recommendations

	Activities	Instructions	Best Option	First Alternative	Second Alternative
1	Before Planting	If Available	50 kg Agricultural Lime		
2	Before Planting	If Available	84 kg Compost or Animal Manure		
3	At Planting	Place the fertiliser at the bottom of the planting holes, put 10 cm of soil on top, add the seed and cover the seed with soil.	5 kg Mav 10:26:0 & 5M and 2 kg urea	5 kg Mav 10:26:0 & 5M and 3 kg CAN	4 kg Mav 12:34:10 & 5M and 2 kg urea
4	6 weeks after	You can topdress when your crops are 6 weeks old and healthy (no pests, sufficient rain).	3 kg CAN	2 kg urea	3 kg Mav 26:0:0

Suitable Crop Types

Potatoes	Beans	Grains	Vegetables
☺	☺	☺	☺

Your soil is suitable for growing potatoes, grains, vegetables and beans.

Soil Status

Parameter	Unit	Analysis Result	Range Low	Range High	Low	Adequate	High
pH (KCl)	pH Value	5,7	4,90	6,40		■	
Organic Carbon	g/kg	3,8	20,00	50,00	■		
Total Nitrogen	g/kg	0,4	1,00	2,00	■		
Total Phosphorus	g/kg	0,5	0,20	0,60		■	
Total Sulfur	g/kg	<	0,30	0,50	■		
Potassium (exch.)	mmol+/kg	5,9	1,50	3,00			■
Calcium (exch.)	mmol+/kg	29,0	15,00	25,00			■
Magnesium (exch.)	mmol+/kg	18,3	4,50	10,00			■
Zinc (M3)	mg/kg	<	2,50	4,00	■		
Copper (M3)	mg/kg	1,2	1,00	2,00		■	
Cation Exchange Capacity	mmol+/kg	69,7	75,00	200,00	■		
Clay	%	6,2	25,00	50,00	■		
Sand	%	81,8	35,00	55,00			■
Total Aluminium	g/kg	62,1	56,00	91,00		■	
Total Potassium	g/kg	34,3	9,80	22,00			■
Total Silicium	g/kg	317,0	250,00	330,00		■	
Total Iron	g/kg	17,9	27,00	72,00	■		
Phosphorus (M3)	mg P/kg	23,5	20,00	40,00		■	
Total Manganese	g/kg	328	610,00	2300,00	■		

Head of Soil Cares Research - Peter van Erp