

Plant sap-sample

<sup>1</sup> 202306192241

<sup>2</sup> 202306192242

Sample Date:

9-6-2023

Name:

Novia University of Applied Sciences

Location/plot:

Lill-Nagels Agroforestry

Address:

Raseborgvägen 9

Cultivation:

2023 Garlic Ljubasha

106 00 Ekenäs

Crop:

Garlic

Finland

Plant part:

<sup>1</sup> Leaf (young)

<sup>2</sup> Leaf (old)

Remarks

1 T3 Normal

2 T3 Normal

Mineral		Current Level	Optimum				
Sugars	%	4,3	0,7 - 1,9	<sup>1</sup>			
	%	3,2		<sup>2</sup>			
pH		6,4	6,1 - 6,5	<sup>1</sup>			
		5,4		<sup>2</sup>			
EC	mS/cm	6,8	9,5 - 13,8	<sup>1</sup>			
	mS/cm	7,4		<sup>2</sup>			
K - Potassium	ppm	3077	3475 - 5250	<sup>1</sup>			
	ppm	3290		<sup>2</sup>			
Ca - Calcium	ppm	156	550 - 1200	<sup>1</sup>			
	ppm	583		<sup>2</sup>			
K / Ca		19,71		<sup>1</sup>			
		5,65		<sup>2</sup>			
Mg - Magnesium	ppm	119	230 - 420	<sup>1</sup>			
	ppm	352		<sup>2</sup>			
Na - Sodium	ppm	29	9 - 21	<sup>1</sup>			
	ppm	58		<sup>2</sup>			
NH4 - Ammonium	ppm	246	250 - 490	<sup>1</sup>			
	ppm	156		<sup>2</sup>			
NO3 - Nitrate	ppm	50	< 290	<sup>1</sup>			
	ppm	<20		<sup>2</sup>			
N in Nitrate	ppm	11	< 65	<sup>1</sup>			
	ppm	<5		<sup>2</sup>			
N - Total Nitrogen	ppm	1650	1700 - 2700	<sup>1</sup>			
	ppm	1889		<sup>2</sup>			
Cl - Chloride	ppm	273	675 - 1375	<sup>1</sup>			
	ppm	319		<sup>2</sup>			
S - Sulfur	ppm	1127	790 - 1250	<sup>1</sup>			
	ppm	870		<sup>2</sup>			
P - Phosphorus	ppm	228	230 - 400	<sup>1</sup>			
	ppm	189		<sup>2</sup>			
Si - Silica	ppm	5,5	5,0 - 13,4	<sup>1</sup>			
	ppm	20,2		<sup>2</sup>			
Fe - Iron	ppm	1,52	1,70 - 3,90	<sup>1</sup>			
	ppm	1,99		<sup>2</sup>			
Mn - Manganese	ppm	1,27	2,00 - 5,00	<sup>1</sup>			
	ppm	5,61		<sup>2</sup>			
Zn - Zinc	ppm	2,91	1,45 - 2,70	<sup>1</sup>			
	ppm	1,73		<sup>2</sup>			
B - Boron	ppm	0,68	1,70 - 4,00	<sup>1</sup>			
	ppm	3,07		<sup>2</sup>			
Cu - Copper	ppm	0,20	0,30 - 0,60	<sup>1</sup>			
	ppm	0,28		<sup>2</sup>			
Mo - Molybdenum	ppm	<0,05	0,05 - 0,25	<sup>1</sup>			
	ppm	0,10		<sup>2</sup>			
Al - Aluminium	ppm	0,80	0,60 - 3,20	<sup>1</sup>			
	ppm	3,14		<sup>2</sup>			

Consult your advisor for appropriate fertilizer recommendations.

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