**Research results treated soil after 3 months**

**Date first sample 03-10-2019 Date results 09-10-2019**

**Chemical**

**Results Unit Result Goal low very low good very high high**

**N-totale soil storage kg N/ha 1790 1590-2320 \***

**C/N Ratio 9 13-17 \***

**N Delivering Capacity kg N/ha 35 25-45 \***

**S-plant availability kg S/ha 5 20-30 \***

**Total soil stock kg S/ha 385 285-400 \***

**C/S ratio 43 50-75 \***

**S Delivering Capacity kg S/ha 7 20-30 \***

**P-plant availability kg P/ha 1,4 2,1-2,8 \***

**P-soil stock kg P/ha 130 250-345 \***

**K-plant availability kg K/ha 30 105-155 \***

**K-soil stock kg K/ha 60 75-130 \***

**CA-plant availability kg CA/ha 30 105-240 \***

**CA-soil stock kg CA/ha 575 N/A**

**Mg-plant availability kg Mg/ha 80 35-70 \***

**Mg-soil stock kg Mg/ha 100 30-145 \***

**Na-plant availability kg Na/ha 10 N/A**

**Na-soil stock kg Na/ha 35 N/A**

**Physically**

**Results Unit Result Goal low very low good very high high**

**Acidity (Ph) 5,7 5,0-5,4 \***

**Organic matter % 2,0 N/A**

**Carbonic lime % < 0,2**  **2-3** \*

**Clay (< 2µm) % < 1 N/A**

**Silt (2-50µm) % 9 N/A**

**Sand (>50µm) % 89 N/A**

**Clay-Humus (CEC) mmol+/kg 29**

**CEC consisting % 100 >95 \***

**Ca consisting % 76 75-85 \***

**Mg consisting % 20 6-10 \***

**K consisting % 4,8 2-5 \***

**Na consisting % <0,1 1-1,5 \***

**H consisting % <0,1 <0,1**

**Al consisting % <0,1 <0,1**

**Crumbliness soil Score 10 8-10,0 \***

**Compaction of the soil 7,4 6-8 \***

**Biological**

**moisture retention capacity mm 16**

**Results Unit Result Goal low very low good very high high**

**Microbial biomass mg C/kg 446 70-290 \***

**Microbial activity mg N/kg 66 N/A**

**Fungal bacteria ratio 0,8 0,6-0,9 \***

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