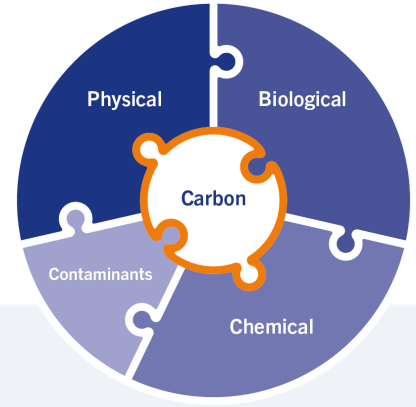


Carbon Check is part of Eurofins Soil Health Solutions. The healthier the soil, the better the contribution to Sustainable Development Goals.



Name | Soil Carbon Check

Soil Carbon Check Example Report

Soil Carbon 4
Sustainable Development
GOALSrg

Client code: LT0000038

Date sampling: 09/09/2022

Soil layer:

Contact Eurofins:

Date report: 16/03/2023

Sample-/order number:

0 - 30 cm

See QR code

528-2022-09090001

Density:
1221 kg/m³

Geo reference of sampled field:

See QR code

1. How much carbon is captured in my soil?

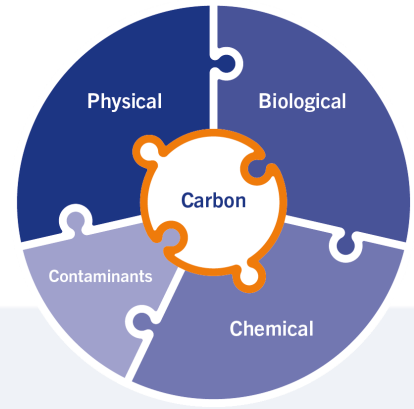
		kg per hectare	ton per hectare
Soil organic carbon (SOC)	3.60 %	130709	130.7
this equals			
Carbon dioxide (CO₂)		479702	479.7

2. How stable is my soil carbon?

Soil organic matter (SOM)	6.90 %	251480	251.5	<p>0% 100%</p> <p>Dynamic Average Stable</p>
Carbon percentage in soil organic matter is	52 %			
Soil organic carbon (SOC)	3.60 %			<p>Soil organic carbon (%) Soil inorganic carbon (%)</p>
Soil inorganic carbon (SIC)	0.05 %			
Total Carbon (TC)	3.65 %			<p>Total Carbon</p>
Active carbon	713 mg per kg			<p>Other soil organic carbon Active soil organic carbon</p>
Active carbon percentage of SOC	2 %			
C/N ratio	12/1			<p>Soil organic carbon</p>
C/S ratio	79/1			
Clay	2 %			
Clay/SOC ratio	<1/1			

Towards 4‰ soil carbon increase

If the amount of carbon stored by soils increases by 4 per 1000 (so 0.4% or 4‰) per year, the annual increase of carbon dioxide (CO₂) in the atmosphere would be significantly reduced. This will slow down the greenhouse effect and prevent further climate change, as agreed in (among others) the Paris climate agreement (COP 21).



3. How can I improve soil carbon by 4 per 1000?

Soil Organic Carbon Balance



Current soil carbon status:	130709 kg C per hectare	= 479.7	ton CO ₂ per hectare
Output: expected breakdown (mineralisation)	2614 kg C per hectare	= 9.6	ton CO ₂ per hectare
Input: Input: needed to maintain soil organic carbon status	2614 kg C per hectare	= 9.6	ton CO ₂ per hectare
Input: Input: Additional input needed to improve by 4 per 1000	523 kg C per hectare	= 1.9	ton CO ₂ per hectare
Total required carbon input	3137 kg C per hectare	= 11.5	ton CO ₂ per hectare

Scan QR-code or follow hyperlink (email) to optimise your personal carbon management

4. How is my soil carbon content developing overtime?

Soil organic carbon, %



In the last 4 years there is a significant increase in soil organic carbon %.
The increase has been 2.4 ton CO₂ per hectare per year, so **2 carbon credits per hectare per year**.