

General information

Remover name	Bamboologic		
Project code	BBLL015		
Project name	Carl Mintjens		
Location	Blommerschot, Belgium		
Area	2.69	ha	
Start year	2024		year of planting
Duration	20	years	estimated permanence of removal and storage
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	264	tCO2/ha	Below Ground and Soil Organic Carbon, following CDM AR-ACM0003, excl above ground carbon
Reference capacity	616	tCO2/ha	Using CEDA and Soil sample data
Storage potential	352	tCO2/ha	Projection -/- baseline

Per project

Projected storage	948	tCO2	storage potential per ha x area
LCA emissions	190	tCO2	project related emissions
Net storage potential	758	tCO2	project storage -/- emissions over 20 years

Removal credits issued

Credits first 12 years	455	credits	12/20 x net storage potential
Holding Pool	91	credits	20% of the first 12 years
Credits issued	364	credits	

Field Code	Field name	Size (ha)	Owner
BBLL015-1	Plot 2 Mintjens	0.36	Carl Mintjes
BBLL015-2	Plot 1 Mintjens	2.33	Carl Mintjes

Carbon Calculation for	BBLL015									
Surface	2.69	ha	Fields tab							
Capacity Reference SOC	30.00	SOC g/kg	References tab							
Capacity Reference AGB	190.30	tCO2e/ha	References tab							
	2024		2024		2025		2026		2027	
Measurement average	16.53	SOC g/kg	16.53	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg
Sample depth	30	cm	30	cm	#DIV/0!	cm	#DIV/0!	cm	#DIV/0!	cm
Calculation depth	30	cm	30	cm	30	cm	30	cm	30	cm
Soil density	1.45	g/cm3	1.45	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3
SOC (soil carbon) / ha	264	tCO2e/ha	264	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
AGB (above ground) / ha	0	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
Storage current	709	tCO2e	709	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e
Storage capacity	1,657	tCO2e	1,657	tCO2e	1,657	tCO2e	1,657	tCO2e	1,657	tCO2e

Sources								
value	source	URL	Notes					
CEDA aboveground biomass carbon	https://climatee	https://datacedag	2018 data					
SOC	A critical review of the conventional SOC to SOM conversion factor (Geoderma, Volume 156, Issues 3–4, 15 May 2010, Pages 75-83)							
Density	Wageningen U	https://edepot.wu	We've added these soil density levels to the calculation factors tab					
Reference data for capacity								
Reference description								
Data location								
SOC (soil)	30	C g/kg						
AGB (above ground)	190.3	tCO2e/ha						
TEC	616	tCO2e/ha						

from C to CO2	3.666666667		
soil density	% organic matter	% organic carbon	soil density
1.59	0.5	0.25	1.59
1.52	1.5	0.75	1.52
1.45	2.5	1.25	1.45
1.39	3.5	1.75	1.39
1.34	4.5	2.25	1.34
1.29	5.5	2.75	1.29
1.24	6.5	3.25	1.24
1.18	7.5	3.75	1.18
1.13	8.5	4.25	1.13
1.09	9.5	4.75	1.09
1.05	10.5	5.25	1.05
1.01	11.5	5.75	1.01
0.96	12.5	6.25	0.96
0.93	13.5	6.75	0.93
0.9	14.5	7.25	0.9
0.87	15.5	7.75	0.87
0.84	16.5	8.25	0.84
0.81	17.5	8.75	0.81
0.79	18.5	9.25	0.79
0.77	19.5	9.75	0.77
0.75	20.5	10.25	0.75
0.73	21.5	10.75	0.73
0.71	22.5	11.25	0.71
0.7	23.5	11.75	0.7
0.69	24.5	12.25	0.69
0.67	25.5	12.75	0.67
0.65	27	13.5	0.65
0.62	29	14.5	0.62
0.6	31	15.5	0.6
0.58	33	16.5	0.58
0.56	35	17.5	0.56
0.54	37	18.5	0.54
0.52	39	19.5	0.52
0.5	41	20.5	0.5
0.49	43	21.5	0.49
0.47	45	22.5	0.47
0.46	47	23.5	0.46
0.44	49	24.5	0.44