General information			
Remover name	Coppens Akkerbouw		
Project code	BBLL019		
Project name	Bamboo - Coppens Akkerbouw		
Location	Veldhoven, Netherlands		
Area	1.24	ha	
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	263	tCO2/ha	Below Ground and Soil Organic Carbon, following CDM AR-ACM0003, excl above ground carbon
Reference capacity	625	tCO2/ha	Using CEDA and Soil sample data
Storage potential	362	tCO2/ha	Projection -/- baseline
Per project			
Projected storage	448	tCO2	storage potential per ha x area
LCA emissions	90	tCO2	project related emissions
Net storage potential	359	tCO2	project storage -/- emissions over 20 years
Removal credits issued			
Units first 12 years	215	units	12/20 x net storage potential
Holding Pool	43	units	20% of the first 12 years
Potential units issued	172	units	

Field Code	Field name	Size (ha)	Owner	
BBL-019	Coppens Akkerbou	1.24	Coppens Akkerbouw	

#	Field code	Field	Year	Date	Sample depth (cm)	SOC/AGB/REF	Carbon (g/kg)	AGB (tCO2/ha)	Sample/report nr.	Notes
001		#N/A	2024	12-6-2024	30	SOC	17		1062923	
002		#N/A	2024	12-6-2024	30	SOC	15		1062922	
003		#N/A	2024	12-6-2024	30	SOC	16		1062921	
004		#N/A	2024	12-6-2024	30	SOC	16		774534/006372330	
005	001-R	#N/A	2024	12-6-2024	30	SOC	13.8		774491/006372330	
006		#N/A	2034	1-1-2034		SOC				
007		#N/A	2020	1-1-2020		AGB		14.896		ESA 2010-2020 average
009		#N/A	2025	1-3-2025		AGB				
010		#N/A	2028	1-1-2028		AGB				
011		#N/A	2031	1-1-2031		AGB				
012		#N/A	2034	1-1-2034		AGB				
013		#N/A	1899							
014		#N/A	1899							
015		#N/A	1899							
		#N/A	1899							

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2016 ✅	12.777	6.388	23.424
2017 ✅	23.252	11.626	42.629
2018 ✅	1.766	0.883	3.238
2019 ✅	1.606	0.803	2.944
2020 ✅	1.226	0.613	2.247
Average	8.125	4.063	14.896

Carbon Calculation for		**BBLL019**								
Surface	1.24	ha	Fields tab							
Capacity Reference SOC	30	SOC g/kg	References tab							
Capacity Reference AGB	199	tCO2e/ha	References tab							
	2024		**2027**		**2030**		**2033**		**2036**	
Measurement average	15.56	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg
Sample depth	30	cm	#DIV/0!	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	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3
SOC (soil carbon) / ha	248	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
AGB (above ground) / ha	14.90	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
Storage current	326	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e
Storage capacity	775	tCO2e	775	tCO2e	775	tCO2e	775	tCO2e	775	tCO2e

Sources								
value	**source**	**URL**	Notes					
CEDA aboveground biomass carbon	https://climatee	https://datacedaa	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								
TEC	616	tCO2e/ha	Blan, Toulouse, F	https://research.t	Yuen et al., 2017	https://doi.org/10.1016/j.foreco.2017.01.017		
SOC (soil)	30	gC/kg						
AGB & BGB (biomass)	199	tCO2e/ha						
reference coordinates full agroforest								

from C to CO2	3.666666667		
soil density	% organic matter	% organic carbor	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