

General information

Remover name	Maatschap Wulms		
Project code	CBF207		
Project name	Wulms - Miscanthus		
Location	Kessel, NL		
Area	1.30	ha	
Duration	10	years	estimated permanence of removal and storage
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	0.37	tCO2/ha/yr	J. Lask et al. 2010

Per hectare

Baseline TEC	300	tCO2/ha	Soil Organic Carbon and Below Ground Carbon, following CDM AR-ACM0003
Reference capacity	352	tCO2/ha	Using CEDA and Soil sample data
Storage potential	52	tCO2/ha	Projection -/- baseline

Per project

Projected storage	68	tCO2	storage potential per ha x area x storage duration 100 year equivalent
LCA emissions	5	tCO2	project related emissions
Net storage potential	62.8	tCO2	project storage -/- emissions over 20 years

Removal credits issued

Holding Pool	12.6	credits	20% of the first 12 years
Credits issued	50	credits	

Field Code	Field name	Size (ha)	Owner	
A	Miscanthus	1.3	Maatschap Wulms	

[illegible]

Carbon Calculation for		CBF207								
Surface	1.3	ha	Fields tab							
Capacity Reference SOC	26.00	SOC g/kg	References tab							
Capacity Reference BGB	26.00	tCO2e/ha	References tab							
	2024		2027		2030		2033		2036	
Measurement average	20	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	1.365	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3
SOC (soil carbon) / ha	300	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
AGB (above ground) / ha	0.00	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
Storage current	390	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e
Storage capacity	458	tCO2e	519	tCO2e	519	tCO2e	519	tCO2e	519	tCO2e
	storage	baseline	capacity							
2024	390	390	458							
2027	#DIV/0!	390	458							
2030	#DIV/0!	390	458							
2033	#DIV/0!	390	458							
2036	#DIV/0!	390	458							

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									
		Unit	Source	Link					
SOC	2.6	tCO2/ha/yr	Kahle et al., 2001; McCalmont et al., 2015; Felten & Emmerling, 2012; LCA Terra Vesta. Basis: giganteum						
Emissions	0.37	tCO2/ha/yr	J. Lask et al. 2010						
BGB (belowground biomass)	2.6	tCO2e/ha	Clifton-Brown et	https://doi.org/10.2134/agronj2001.9351013x					

0.496	41.8	20.9	0.496
0.495	42	21	0.495
0.494	42.2	21.1	0.494
0.493	42.4	21.2	0.493
0.492	42.6	21.3	0.492
0.491	42.8	21.4	0.491
0.49	43	21.5	0.49
0.488	43.2	21.6	0.488
0.486	43.4	21.7	0.486
0.484	43.6	21.8	0.484
0.482	43.8	21.9	0.482
0.48	44	22	0.48
0.478	44.2	22.1	0.478
0.476	44.4	22.2	0.476
0.474	44.6	22.3	0.474
0.472	44.8	22.4	0.472
0.47	45	22.5	0.47
0.469	45.2	22.6	0.469
0.468	45.4	22.7	0.468
0.467	45.6	22.8	0.467
0.466	45.8	22.9	0.466
0.465	46	23	0.465
0.464	46.2	23.1	0.464
0.463	46.4	23.2	0.463
0.462	46.6	23.3	0.462
0.461	46.8	23.4	0.461
0.46	47	23.5	0.46
0.458	47.2	23.6	0.458
0.456	47.4	23.7	0.456
0.454	47.6	23.8	0.454
0.452	47.8	23.9	0.452
0.45	48	24	0.45
0.448	48.2	24.1	0.448
0.446	48.4	24.2	0.446
0.444	48.6	24.3	0.444
0.442	48.8	24.4	0.442
0.44	49	24.5	0.44

