

Checklist for calculating Sequestered Carbon (SOC) in Soil from Removed Greenhouse Gas Carbon Dioxide (CO2) Emissions

1	Project:	Bulgaria - CSBG-86-N
2	Project code:	CSBG-86-N
3	Project start date (dd/mm/yyyy):	17.1.2023
4	Project Monitoring period beginning (dd/mm/yyyy):	23.3.2024
5	Project Monitoring period end (dd/mm/yyyy):	15.5.2025
6	Farm beginning soil sampling date for reporting period (dd/mm/yyyy):	22.2.2024 BASE
7	Farm soil sampling end date for reporting period (dd/mm/yyyy):	21.1.2025 K1
8	Farm contract date (dd/mm/yyyy):	9.2.2024
9	Farmer (Legal Entity):	NATSEVI 2019 OOD
10	UK:	205515209

	^{1b} New value	^{1c} Adjusted value	^{1d} Verified value	^{1e} Difference: "New value" - "Verified value"	
1	Gross amount of removed GHG emissions carbon dioxide CO ₂ (note 4)	12 624	12 624	0	
2	Uncertainty deduction (^{1b} 20.70 % of Gross amount of removed GHG emissions carbon dioxide CO ₂ eq)	2 655	20.70%	2 655	0
3	N ₂ O emissions from mineral fertilizers (t CO ₂ eq)	62	18	44	18
4	Total fuel consumption CO ₂ equivalent (note 4)	44		44	0
5	Emissions from leakage (t CO ₂ eq)	4		4	0
6	Adjustments to reduce removals from GHG (t CO ₂ eq)	0		0	0
7	Net amount of GHG removed carbon dioxide (t CO ₂ eq)	10 059		10 077	-18
8	Buffer contribution amount (% of credits):	502	5.00%	503	-1

Cell data										BASE YEAR data					1st CONTROL YEAR data										Calculations					Fuel emission footprint from production equipment			B1		new	
No	Contract date (dd/mm/yyyy)	Contract No	ERP farm ID*	EXATTE on land	Longitude	Latitude	Plot name	ERP cell ID	Depth	Area (note 2)	Crop	Date of sampling	Date of acceptance in Laboratory	LAB No	Measured organic carbon (OC)	Area (note 2)	Crop	Date of sampling	Date of acceptance in Laboratory	LAB No	Bulk density (note 2)	Soil quantity	Measured organic carbon (OC)	Difference in organic carbon (OC)	1st CONTROL YEAR (t) BASE YEAR (note 3)		Gross amount of removed greenhouse gas emissions Carbon dioxide CO2 (note 4)	Average fuel consumption per cell (ton/ha)	Total fuel consumption per cell (ton/ha)	Total fuel consumption CO2 equivalent	Removed emissions of greenhouse gas carbon dioxide CO2 after Fuel emission	ERP cell ID	Difference between sampling dates expressed in months (n-30 m ¹⁴ m ¹⁵)			
																									Content (OC) in soil	Total content (OC) in the soil								ton	ton	ton
									cm	ERP ha					mg/kg	ERP ha						g/cm3	ton	mg/kg	mg/kg	g/ton	ton	ton	ton/ha	ton/ha	ton	ton			BASE +1	
										159.72						158.12										9 497.17	9 497.17	12 824.13								
1	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.8284944	43.2805478	Бергън - 23666	002126861250	0-30	18.02	barley	22.2.2024	26.2.2024	iso-63-1	15900	18.02	grain maize	21.1.2025	24.01.2025	iso-121-1	1.60	86 496.00	15722	0.002	188354								002126861250	10		
2	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.8284944	43.2805478	Бергън - 23666	002126861250	30-60	18.02	barley	22.2.2024	26.2.2024	iso-63-2	15950	18.02	grain maize	21.1.2025	24.01.2025	iso-121-2	1.58	85 454.80	15905	0.003	257331	629.91	2309.89	0.0814	1.4668	5.0166	2 305	002126861250	10			
3	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.8284944	43.2805478	Бергън - 23666	002126861250	60-90	18.02	barley	22.2.2024	26.2.2024	iso-63-3	8460	18.02	grain maize	21.1.2025	24.01.2025	iso-121-3	1.64	88 058.40	15990	0.002	38884								002126861250	10		
4	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87211422	43.27143695	Гуляковарна - 23666	003126861250	0-30	20.33	grain maize	23.2.2024	26.2.2024	iso-63-9	10740	20.33	soft wheat - winter	21.1.2025	24.01.2025	iso-121-4	1.60	97 584.00	12395	0.001	54198								003126861250	10		
5	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87211422	43.27143695	Гуляковарна - 23666	003126861250	30-60	20.33	grain maize	23.2.2024	26.2.2024	iso-63-20	11200	20.33	soft wheat - winter	21.1.2025	24.01.2025	iso-121-5	1.58	96 364.20	12344	0.002	59408	543.81	1994.16	0.0814	1.6549	5.6096	1 988	003126861250	10			
6	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87211422	43.27143695	Гуляковарна - 23666	003126861250	60-90	20.33	grain maize	23.2.2024	26.2.2024	iso-63-21	6400	20.33	soft wheat - winter	21.1.2025	24.01.2025	iso-121-6	1.64	100 023.60	16067	0.002	20775								003126861250	10		
7	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86420844	43.27997287	Гуляковарна - 23666	004126861250	0-30	19.89	grain maize	23.2.2024	26.2.2024	iso-63-22	10400	19.89	soft wheat - winter	21.1.2025	24.01.2025	iso-121-7	1.60	95 472.00	12233	0.002	56641								004126861250	10		
8	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86420844	43.27997287	Гуляковарна - 23666	004126861250	30-60	19.89	grain maize	23.2.2024	26.2.2024	iso-63-23	9650	19.89	soft wheat - winter	21.1.2025	24.01.2025	iso-121-8	1.58	94 278.60	12207	0.002	23164	624.30	2289.31	0.0814	1.6190	5.5371	2 284	004126861250	10			
9	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86420844	43.27997287	Гуляковарна - 23666	004126861250	60-90	19.89	grain maize	23.2.2024	26.2.2024	iso-63-24	1380	19.89	soft wheat - winter	21.1.2025	24.01.2025	iso-121-9	1.64	97 858.80	7990	0.002	22625								004126861250	10		
10	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87282474	43.29082924	Катариново - 23666	005126861250	0-30	23.74	sunflower	23.2.2024	26.2.2024	iso-63-13	11070	23.74	soft wheat - winter	21.1.2025	24.01.2025	iso-121-13	1.60	108 569.28	12599	0.002	56600								005126861250	10		
11	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87282474	43.29082924	Катариново - 23666	005126861250	30-60	23.74	sunflower	23.2.2024	26.2.2024	iso-63-34	10780	23.74	soft wheat - winter	21.1.2025	24.01.2025	iso-121-14	1.58	107 212.16	12665	0.002	24498	530.28	1944.53	0.0814	1.8412	6.2967	1 938	005126861250	10			
12	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87282474	43.29082924	Катариново - 23666	005126861250	60-90	23.74	sunflower	23.2.2024	26.2.2024	iso-63-35	6750	23.74	soft wheat - winter	21.1.2025	24.01.2025	iso-121-15	1.64	111 283.51	7822	0.001	11930								005126861250	10		
13	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.8633602	43.29238943	Катариново - 23666	006126861250	0-30	16.05	sunflower	23.2.2024	26.2.2024	iso-63-7	13750	16.05	soft wheat - winter	21.1.2025	24.01.2025	iso-121-19	1.60	77 040.00	14722	0.001	7438								006126861250	10		
14	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.8633602	43.29238943	Катариново - 23666	006126861250	30-60	16.05	sunflower	23.2.2024	26.2.2024	iso-63-8	14080	16.05	soft wheat - winter	21.1.2025	24.01.2025	iso-121-20	1.58	76 077.00	14000	0.000	-228	89.74	329.06	0.0814	1.3065	4.4881	325	006126861250	10			
15	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.8633602	43.29238943	Катариново - 23666	006126861250	60-90	16.05	sunflower	23.2.2024	26.2.2024	iso-63-9	8150	16.05	soft wheat - winter	21.1.2025	24.01.2025	iso-121-21	1.64	78 966.00	6367	0.000	1734								006126861250	10		
16	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86810904	43.29077893	Катариново - 23666	007126861250	0-30	22.14	sunflower	23.2.2024	26.2.2024	iso-63-10	12090	22.08	soft wheat - winter	21.1.2025	24.01.2025	iso-121-16	1.60	109 987.52	13107	0.002	50637								007126861250	10		
17	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86810904	43.29077893	Катариново - 23666	007126861250	30-60	22.14	sunflower	23.2.2024	26.2.2024	iso-63-11	13460	22.08	soft wheat - winter	21.1.2025	24.01.2025	iso-121-17	1.58	104 163.90	13654	0.000	18841	350.79	1286.35	0.0766	1.6888	5.7791	1 281	007126861250	10			
18	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86810904	43.29077893	Катариново - 23666	007126861250	60-90	22.14	sunflower	23.2.2024	26.2.2024	iso-63-12	7620	22.08	soft wheat - winter	21.1.2025	24.01.2025	iso-121-18	1.64	108 034.71	7990	0.000	736								007126861250	10		
19	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87677903	43.27419098	Широка Бела - 23666	008126861250	0-30	15.40	soft wheat - winter	23.2.2024	26.2.2024	iso-63-36	10550	15.40	sunflower	21.1.2025	24.01.2025	iso-121-30	1.60	73930.00	17509	0.000	20387								008126861250	10		
20	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87677903	43.27419098	Широка Бела - 23666	008126861250	30-60	15.40	soft wheat - winter	23.2.2024	26.2.2024	iso-63-37	14500	15.40	sunflower	21.1.2025	24.01.2025	iso-121-31	1.58	72960.00	16326	0.000	126271	530.54	1945.51	0.0766	1.3796	4.0344	1 941	008126861250	10			
21	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.87677903	43.27419098	Широка Бела - 23666	008126861250	60-90	15.40	soft wheat - winter	23.2.2024	26.2.2024	iso-63-38	10700	15.40	sunflower	21.1.2025	24.01.2025	iso-121-32	1.64	75 768.00	13330	0.003	128935								008126861250	10		
22	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86067872	43.28877583	Овчарско мотика - 23666	009126861250	0-30	23.75	soft wheat - winter	22.2.2024	26.2.2024	iso-63-4	14000	23.75	sunflower	21.1.2025	24.01.2025	iso-121-22	1.60	114 000.00	14311	0.000	12465								009126861250	10		
23	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86067872	43.28877583	Овчарско мотика - 23666	009126861250	30-60	23.75	soft wheat - winter	22.2.2024	26.2.2024	iso-63-5	12003	23.75	sunflower	21.1.2025	24.01.2025	iso-121-23	1.58	112 575.00	13983	0.001	130392	197.80	725.32	0.0766	1.8193	6.2218	719	009126861250	10			
24	9.2.2024	CSBG-11NW-23/28-AGR-0112-GF	000000137	23666	24.86067872	43.28877583	Овчарско мотика - 23666	009126861250	60-90	23.75	soft wheat - winter	22.2.2024	26.2.2024	iso-63-6	7900	23.75	sunflower	21.1.2025	24.01.2025	iso-121-24	1.64	116 850.00	1684	0.000	5423								009126861250	10		