

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

¹³ In the case of area reduction, calculations are made on the basis of current hectares.

¹⁴ The volumetric density is examined once, during the first control year, and is used for calculation until the end of the monitoring period.

¹⁵ Only cuts with reported increases in (OC) levels are reported in monitoring report.

¹⁶ 1 sequestered organic carbon (OC) in the soil (± 0.3667 t, removed carbon dioxide (CO₂) from the atmosphere in the soil (± 1.3667 carbon credits. (See Methodology).

¹⁷ [Download and examine from the link: <https://www.ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&code=sdg13.3.1>](https://www.ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&code=sdg13.3.1)

¹⁸ It is equal to 36 kg PM₁₀ (Ordinance No. 18 of August 8, 2016). 1PM₁₀ is equivalent to 95.3 g CO₂ (Methodology for determining the intensity of greenhouse gas emissions from the entire life cycle of fuels and energy of non-biological origin in transport). Therefore $36 \times 95.3 / 1000 = 2.42$ (See Methodology).



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

1. Farmer/Agricultural producer - Legal Entity /FLE/:

2. UIC:

DABENSKA ETERICHINA COMPANIA OOD

204679198

Reporting period beginning: date (dd/mm/yyyy): 19/01/2023

Reporting period end: date (dd/mm/yyyy): 22/03/2024

Total areas with reported positive results (ha):

Cell data										Data from Basic soil sample.										Data from Control soil sample.										Data of differences:					Data on fuel emission footprint from production equipment					Net amount of removed emissions of greenhouse gas carbon dioxide CO2
										BASE YEAR										1 CONTROL YEAR										1 CONTROL YEAR (-) BASE YEAR										
No	Contract date (dd/mm/yyyy)	Contract No	ISACO2 ID	EKATTE on land	Latitude	Longitude	Plot name	Cell ID	Depth	Area (note 1)	Crop	Date of sampling	Date of acceptance in Laboratory	LAB No	Measured organic carbon (OC)	Area (note 1)	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)	Percent content (OC) in soil	Total percentage content (OC) in the soil (note 3)	Gross amount of removed greenhouse gas emissions Carbon dioxide CO2	Average fuel consumption (note 5)	Total fuel consumption per cell	Total fuel consumption CO2 equivalent (note 6)	Net amount of removed emissions of greenhouse gas carbon dioxide CO2									
									cm	ha					%	ha						g/cm3	ton	%	%	ton	ton	ton/ha	ton/ha	ton	ton	ton	ton	ton						
										29.38						29.38																								
1	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.60606242	24.73542622	АЛСТА - 24241	2135821	0-30	9.83	Alfalfa	19/01/2023	01/03/2023	isa-10-1	0.91	9.83	Alfalfa	14/02/2024	23/02/2024	isa-60-7	1.83	53.966.15	0.91	-0.10	-53.966															
2	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.60606242	24.73542622	АЛСТА - 24241	2135821	30-60	9.83	Alfalfa	19/01/2023	01/03/2023	isa-11-3	0.43	9.83	Alfalfa	14/02/2024	23/02/2024	isa-60-8	1.88	55.480.64	0.57	0.44	77.617															
3	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.60606242	24.73542622	АЛСТА - 24241	2135821	60-90	9.83	Alfalfa	19/01/2023	01/03/2023	isa-11-5	0.38	9.83	Alfalfa	14/02/2024	23/02/2024	isa-60-9	1.87	55.145.74	0.51	0.13	71.689															
4	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.60745112	24.72770499	ПАВ/ИКСИЯ ДО/В - 24241	2135791	0-30	11.06	Sunflower	19/01/2023	01/03/2023	isa-10-3	1.01	11.06	Triticale	14/02/2024	23/02/2024	isa-60-10	1.83	60.727.27	0.60	-0.32	-194.327															
5	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.60745112	24.72770499	ПАВ/ИКСИЯ ДО/В - 24241	2135791	30-60	11.06	Sunflower	19/01/2023	01/03/2023	isa-11-2	0.53	11.06	Triticale	14/02/2024	23/02/2024	isa-60-11	1.88	62.386.40	0.46	-0.07	-43.671	-238.00	-872.738	-	-	-	-	-	-	-						
6	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.60745112	24.72770499	ПАВ/ИКСИЯ ДО/В - 24241	2135791	60-90	11.06	Sunflower	19/01/2023	01/03/2023	isa-11-7	0.41	11.06	Triticale	14/02/2024	23/02/2024	isa-60-12	1.87	62.054.64	0.41	0.00	0.000															
7	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.58862794	24.79610836	НАКЪЯА ИИИТЪП - 24241	2135811	0-30	4.25	Sunflower	19/01/2023	01/03/2023	isa-10-4	0.54	4.25	Triticale	14/02/2024	23/02/2024	isa-60-4	1.83	23.351.31	0.54	0.04	4.671															
8	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.58862794	24.79610836	НАКЪЯА ИИИТЪП - 24241	2135811	30-60	4.25	Sunflower	19/01/2023	01/03/2023	isa-11-4	0.60	4.25	Triticale	14/02/2024	23/02/2024	isa-60-5	1.88	23.991.37	0.62	-0.07	-16.794															
9	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.58862794	24.79610836	НАКЪЯА ИИИТЪП - 24241	2135811	60-90	4.25	Sunflower	19/01/2023	01/03/2023	isa-11-8	0.54	4.25	Triticale	14/02/2024	23/02/2024	isa-60-6	1.87	23.863.76	0.55	0.01	2.386	-9.74	-35.705	-	-	-	-	-	-	-						
10	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.58426118	24.79606072	НАКЪЯА ЮТ - 24241	2135801	0-30	4.24	Sunflower	19/01/2023	01/03/2023	isa-10-6	0.80	4.24	Triticale	14/02/2024	23/02/2024	isa-60-1	1.83	23.586.67	0.71	-0.09	-20.933															
11	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.58426118	24.79606072	НАКЪЯА ЮТ - 24241	2135801	30-60	4.24	Sunflower	19/01/2023	01/03/2023	isa-11-1	0.61	4.24	Triticale	14/02/2024	23/02/2024	isa-60-2	1.88	23.894.15	0.60	-0.01	-2.389	-11.44	-41.946	-	-	-	-	-	-	-						
12	17/01/2023	CSBG-42SC-22/27-AGRI-0002	1780	24241	42.58426118	24.79606072	НАКЪЯА ЮТ - 24241	2135801	60-90	4.24	Sunflower	19/01/2023	01/03/2023	isa-11-6	0.36	4.24	Triticale	14/02/2024	23/02/2024	isa-60-3	1.87	23.767.06	0.41	0.05	11.884															

Note:
(1) In case of area reduction, calculations are made on the basis of current hectares.
(2) The volumetric density is examined once, during the first control year, and is used for calculation until the end of the monitoring period.
(3) Only cells with reported increases in (OC) levels are reported in a monitoring report.
(4) 1 t sequestered organic carbon (OC) in the soil (+) 3.667 t, removed carbon dioxide (CO2) from the atmosphere in the soil (+) 3.667 carbon credits. (See Methodology).
(5) Average fuel consumption (ton/ha) is calculated according to the "METHODS OF THE 3426".
(6) If of diesel is equal to 36 MJ (Ordinance No. II-18 of August 8, 2016). 1MJ is equivalent to 95.1 g CO2 (Methodology for determining the intensity of greenhouse gas emissions from the entire life cycle of fuels and energy of non-biological origin in transport). Therefore 36 * 95.1 / 1000 = 3.42 (See Methodology).
(7) 1 t, removed carbon dioxide (CO2) from the atmosphere (+) 0.27248 t, sequestered organic carbon (OC) in the soil (+) 1 carbon credit. (See Methodology).

Date:	13.5.2024 г.	Prepared:	D. Kirwa	DK0722CS
Date:	15.5.2024 г.	Checked:	D. Kasabov	DK0424CS
Date:	02.8.2024 г.	Edited:	K. Semerdzhieva	KS1323CS
Date:	06.8.2024 г.	Prepared:	D. Kasabov	DK0424CS



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

1. Farmer/Agricultural producer - Legal Entity /FLE/:

2. UIC: 204556854

STOITSSEVO EOOD

204556854

Net amount (tons) of sequestered organic carbon (OC) for the reporting period (note 7)

Reporting period beginning:

date (dd/mm/yyyy):

19/01/2023

Reporting period end:

date (dd/mm/yyyy):

22/03/2024

Total areas with reported positive results (ha):

14

Net amount of removed emissions of greenhouse gas carbon dioxide CO₂

450

Buffer 5% of credits:

22

Cell data										Data from Basic soil sample.										Data from Control soil sample.										Data of differences:										Data on fuel emission footprint from production equipment				Net amount of removed emissions of greenhouse gas carbon dioxide CO ₂
										BASE YEAR										1 CONTROL YEAR										1 CONTROL YEAR (-) BASE YEAR														
No	Contract date (dd/mm/yyyy)	Contract No	ISAC02 ID	EXATTE on land	Latitude	Longitude	Plot name	Cell ID	Depth	Area (note 1)	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 (note 2)	Measured organic carbon (OC)	Difference in organic carbon (OC)	Percent content (OC) in soil	Total percentage content (OC) in the soil (note 3)	Gross amount of removed greenhouse gas emissions Carbon dioxide CO ₂ (note 4)	Average fuel consumption (note 5)	Total fuel consumption per cell	Total fuel consumption CO ₂ equivalent (note 6)														
									cm	ha					%	ha						e/cm ³	ton	%	%	ton	ton	ton	ton/ha	ton	ton	ton												
1	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.58377882	24.77751569	БРЕПЪТ - 24241	2135851	0-30	61.93	8.42 Alfalfa	25/03/2023	28/03/2023	isoa-21-1	0.91	8.42 Alfalfa	13/02/2024	23/02/2024	isoa-59-1	1.83	46.24351	0.85	-0.06	-27.75	114.42	452.34	0.0422	0.3555	1.2157	450														
2	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.58377882	24.77751569	БРЕПЪТ - 24241	2135851	30-60		8.42 Alfalfa	25/03/2023	28/03/2023	isoa-22-1	0.49	8.42 Alfalfa	13/02/2024	23/02/2024	isoa-59-2	1.88	47.50699	0.65	0.16	76.01																				
3	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.58377882	24.77751569	БРЕПЪТ - 24241	2135851	60-90		8.42 Alfalfa	25/03/2023	28/03/2023	isoa-22-2	0.48	8.42 Alfalfa	13/02/2024	23/02/2024	isoa-59-3	1.87	47.25430	0.62	0.14	66.16																				
4	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.57895008	24.81425968	МПАИЧЕВО - 24241	2135881	0-30		17.15 Triticale	02/03/2023	03/03/2023	isoa-14-6	0.05	17.15 Rye	13/02/2024	23/02/2024	isoa-59-7	1.83	94.17187	0.38	0.03	28.25	-49.14	-180.212	-	-	-	-														
5	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.57895008	24.81425968	МПАИЧЕВО - 24241	2135881	30-60		17.15 Triticale	02/03/2023	03/03/2023	isoa-13-8	0.64	17.15 Rye	13/02/2024	23/02/2024	isoa-59-8	1.87	96.74487	0.54	-0.08	77.40																				
6	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.57895008	24.81425968	МПАИЧЕВО - 24241	2135881	60-90		17.15 Triticale	02/03/2023	03/03/2023	isoa-13-9	0.64	17.15 Rye	13/02/2024	23/02/2024	isoa-59-9	1.87	96.22027	0.64	0.00	0.00																				
7	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.6137805	24.71782998	ОПАИЧЕВО - 24241	2135871	0-30		5.08 Sunflower	01/03/2023	03/03/2023	isoa-14-1	0.06	5.08 Triticale	13/02/2024	23/02/2024	isoa-59-19	1.83	27.90012	0.80	-0.06	16.74																				
8	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.6137805	24.71782998	ОПАИЧЕВО - 24241	2135871	30-60		5.08 Sunflower	01/03/2023	03/03/2023	isoa-13-7	0.55	5.08 Triticale	13/02/2024	23/02/2024	isoa-59-20	1.88	28.66242	0.54	0.01	2.87	8.93	32.76	0.0814	0.4137	1.4148			31												
9	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.6137805	24.71782998	ОПАИЧЕВО - 24241	2135871	60-90		5.08 Sunflower	01/03/2023	03/03/2023	isoa-13-17	0.40	5.08 Triticale	13/02/2024	23/02/2024	isoa-59-21	1.87	28.50936	0.48	0.00	22.81																				
10	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61398127	24.72970578	БАВЛИКШИЯ ГОР - 24241	2135831	0-30		8.62 Alfalfa	19/01/2023	01/03/2023	isoa-10-5	1.31	8.62 Alfalfa	13/02/2024	23/02/2024	isoa-59-10	1.83	47.32988	0.71	-0.60	-283.98																				
11	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61398127	24.72970578	БАВЛИКШИЯ ГОР - 24241	2135831	30-60		8.62 Alfalfa	19/01/2023	01/03/2023	isoa-12-2	0.75	8.62 Alfalfa	13/02/2024	23/02/2024	isoa-59-11	1.88	48.62185	0.51	-0.24	-116.79	-400.67	-1469.274	-	-	-	-	-	-												
12	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61398127	24.72970578	БАВЛИКШИЯ ГОР - 24241	2135831	60-90		8.62 Alfalfa	19/01/2023	01/03/2023	isoa-12-5	0.44	8.62 Alfalfa	13/02/2024	23/02/2024	isoa-59-12	1.87	48.36441	0.44	0.00	0.00																				
13	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61603025	24.72526858	БАВЛИКШИЯ ГОР - 24241	2135832	0-30		16.49 Alfalfa	19/01/2023	01/03/2023	isoa-10-2	0.82	16.49 Alfalfa	13/02/2024	23/02/2024	isoa-59-13	1.83	90.52183	0.73	-0.09	81.47																				
14	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61603025	24.72526858	БАВЛИКШИЯ ГОР - 24241	2135832	30-60		16.49 Alfalfa	19/01/2023	01/03/2023	isoa-12-1	0.35	16.49 Alfalfa	13/02/2024	23/02/2024	isoa-59-14	1.88	92.99716	0.35	0.00	0.00	-90.72	-332.676	-	-	-	-	-	-												
15	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61603025	24.72526858	БАВЛИКШИЯ ГОР - 24241	2135832	60-90		16.49 Alfalfa	19/01/2023	01/03/2023	isoa-12-4	0.23	16.49 Alfalfa	13/02/2024	23/02/2024	isoa-59-15	1.87	92.50250	0.22	-0.01	-9.25																				
16	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61288081	24.72114449	БАВЛИКШИЯ КВАРТАРЧЕТО	2135841	0-30		3.42 Alfalfa	19/01/2023	01/03/2023	isoa-10-7	1.14	3.42 Alfalfa	13/02/2024	23/02/2024	isoa-59-16	1.83	18.78293	0.93	-0.21	-39.44																				
17	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61288081	24.72114449	БАВЛИКШИЯ КВАРТАРЧЕТО	2135841	30-60		3.42 Alfalfa	19/01/2023	01/03/2023	isoa-12-3	0.65	3.42 Alfalfa	13/02/2024	23/02/2024	isoa-59-17	1.88	19.28612	0.71	0.06	11.58	-48.98	-179.607	-	-	-	-	-	-												
18	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.61288081	24.72114449	БАВЛИКШИЯ КВАРТАРЧЕТО	2135841	60-90		3.42 Alfalfa	19/01/2023	01/03/2023	isoa-12-6	0.56	3.42 Alfalfa	13/02/2024	23/02/2024	isoa-59-18	1.87	19.19348	0.65	-0.11	-21.11																				
19	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.59177438	24.79882486	МАКШИЯ СБЕП - 24241	2135861	0-30		2.74 Sunflower	03/03/2023	06/03/2023	isoa-15-4	1.05	2.74 Triticale	13/02/2024	23/02/2024	isoa-59-4	1.83	15.02358	0.87	-0.18	-27.88																				
20	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.59177438	24.79882486	МАКШИЯ СБЕП - 24241	2135861	30-60		2.74 Sunflower	03/03/2023	06/03/2023	isoa-16-5	0.61	2.74 Triticale	13/02/2024	23/02/2024	isoa-59-5	1.88	15.18463	0.79	0.18	27.78	-10.01	-36.698	-	-	-	-	-	-												
21	17/01/2023	CSBG-42SC-22/27-AGRI-0003	1781	24241	42.59177438	24.79882486	МАКШИЯ СБЕП - 24241	2135861	60-90		2.74 Sunflower	03/03/2023	06/03/2023	isoa-16-10	0.65	2.74 Triticale	13/02/2024	23/02/2024	isoa-59-6	1.87	15.35233	0.58	-0.07	-10.75																				

Note:
(1) In case of area reduction, calculations are made on the basis of current hectares.
(2) The volumetric density is examined once, during the first control year, and is used for calculation until the end of the monitoring period.
(3) Only cells with reported increases in (OC) levels are reported in a monitoring report.
(4) 1 sequestered organic carbon (OC) in the soil (-) 3.667 t, removed carbon dioxide (CO₂) from the atmosphere in the soil (-) 3.667 carbon credits. (See Methodology).
(5) Average fuel consumption (ton/ha) is calculated according to the "METHODOLOGY of the MPA".
(6) 1 t of diesel is equal to 36 MJ (Ordinance No. H-18 of August 8, 2016). 1MJ is equivalent to 95.1 g CO₂ (Methodology for determining the intensity of greenhouse gas emissions from the entire life cycle of fuels and energy of non-biological origin in transport). Therefore 36 * 95.1 / 1000 = 3.42 (See Methodology).
(7) 1 t, removed carbon dioxide (CO₂) from the atmosphere (-) 0.27248 t, sequestered organic carbon (OC) in the soil (-) 1 carbon credit. (See Methodology).

Date: 13.5.2024 r. Prepared: D. Kirova D00722CS
Date: 15.5.2024 r. Checked: D. Katsahov D00424CS
Date: 02.8.2024 r. Edited: K. Kemerchieva RS132CS
Date: 06.8.2024 r. Prepared: D. Katsahov D00424CS