

Calculation of emissions leakage (t CO₂ eq)

1 Project:	BCCR-6-00002-AGRI-Carbonsafe carbon farming project – South Bulgaria - CSBG-BG-S		
2 Project code:	CSBG-BG-S		
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):	14.9.2023	BASE	Retrospective date
7 Farm soil sampling end date for reporting period (dd/mm/yyyy):	25.10.2024	K1	In period
8 Farm contract date (dd/mm/yyyy):	5.9.2023		
9 Farmer (Legal Entity):	RUSALOV OOD		
10 UIC:	115797898		

1 Emissions from leakage (t CO ₂ eq)	1
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												НАЙ-НИСКИЯТ ДОБИВ ОТ ТРИТЕ СТОЙНОСТИ/LOWEST YIELD OF THE THREE VALUES											
№	Дата на договор	Договор №	ЕРП-ИД на стопанство	Култури 5 години преди участието в проекта	Среден добив по култури в кг/ха база за изчисления преди проект	Култури в програмата	Желан добив кг/ха	Реализиран добив ТК кг/ха 2023-2024 БАЗА-K1	Y(95%) кг Праг, под който започват санкциите	Y(95%) %	Намаление на среден добив кг/ха	Ср. добив кг/дка по статистика Район на планиране NUTS 2	Регионален ср. добив кг/дка по Общини	Целево желан икономически добив кг/дка от фермера	„Липсваща продукция“ кг под прага	Площ ха	„Липсваща“ продукция тон	EFcrop (за 1 тон продукция tCO ₂ e) реално изчисление от sheet N ₂ O to CO ₂ IPCC	Изместване на емисии tCO ₂ e другите	(β) Стандартен коефициент за пазарен теч 20%	tCO ₂ за намаление		
No	Contract date (dd/mm/yyyy)	Contract No	ERP farm ID*	Crops 5 years before participation in the project	Average yield by crops in kg/ha basis for pre-project calculations	Crops in the program	"Desired yield kg/ha"	Realized yield TM kg/ha 2023-2024 BASE-K1	"Y(95%) kg Minimum threshold for sanctions"	Y(95%) %	Reduction in average yield kg/ha	Avg. yield kg/ha by statistics Planning area NUTS 2	Regional average yield kg/ha by Municipality	Target desired economic yield kg/ha by the farmer	"Missing production" kg below the threshold	Area ha	"Missing" production ton	"EFcrop (for 1 ton of production tCO ₂ e) real calculation from sheet N ₂ O to CO ₂ IPCC"	Displacement of emissions tCO ₂ e leakage	(β) Standard market leakage factor 20%	tCO ₂ reduction		
																					0.40		
1	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	barley	5 990.00	barley	9000	7120	5 690.50	118.86%	NO	3 613			0.000	77.91	0.000	0.28	0.000	0.2	0.00		
2	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	durum wheat	2 740.00	durum wheat	6500	4440	2 603.00	162.04%	NO	4 084			0.000	152.01	0.000	0.52	0.000	0.2	0.00		
3	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	soft wheat	5 184.00	soft wheat	7000	4000	4 924.80	77.16%	YES	4 084			84.000	67.22	5.646	0.35	2.002	0.2	0.40		
4	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	sorghum	3 595.00	sorghum	7000	5000	3 415.25	139.08%	NO	1 852			0.000	49.21	0.000	0.44	0.000	0.2	0.00		
5	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	sunflower	2 062.00	sunflower	2800	2500	1 958.90	121.24%	NO	1 388			0.000	234.88	0.000	0.37	0.000	0.2	0.00		
6	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	corn for grain	8 725.00	N/A																	
7	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	rapeseed	2 630.00	N/A																	
8	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	peas	3 096.67	N/A																	
9	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	chickpeas	895.00	N/A																	
10	5.9.2023	CSBG-42SC-22/27-AGRI-0011	0000000091	corn for silage	4 700.00	N/A																	

	Name	Code	Date
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