

Integrated quality and environmental management system BDS EN 9001:2015 / BDS EN ISO 14001:2015

CARBONSAFE JSC

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Carbon

safe

Version

1/02.04.26

Calculation of emissions leakage (t CO<sub>2</sub> 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):

5.12.2023 BASE

Retrospective date

7 Farm soil sampling end date for reporting period (dd/mm/yyyy):

9.11.2024 K1

In period

8 Farm contract date (dd/mm/yyyy):

13.11.2023

9 Farmer (Legal Entity):

VUKI OOD

10 UIC:

115536357

1 Emissions from leakage (t CO<sub>2</sub> eq)

13

| 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 БА3А-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 <sub>2</sub> e ) реално изчисление от sheet N <sub>2</sub> O to CO <sub>2</sub> IPCC         | Изместване на емисии tCO <sub>2</sub> e другате      | (B) Стандартен коефициент за пазарен теч 20% | tCO <sub>2</sub> 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 <sub>2</sub> e ) real calculation from sheet N <sub>2</sub> O to CO <sub>2</sub> IPCC" | Displacement of emissions tCO <sub>2</sub> e leakage | (B) Standard market leakage factor 20%       | tCO <sub>2</sub> reduction    |
|                                                                       |                            |                           |                      |                                                                           |                                                                    |                      |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              | 12,93                         |
| 1                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | coriander                                                                 | 885,00                                                             | coriander            | 1200                  | 800                                         | 840,75                                       | 90,40%   | YES                              | 1 179                                                    |                                              |                                                   | 379,000                                     | 20,21   | 7,660                    | 1,25                                                                                                                        | 9,596                                                | 0,2                                          | 1,92                          |
| 2                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | grain maize                                                               | 8 114,00                                                           | grain maize          | 10000                 | 6200                                        | 7 708,30                                     | 76,41%   | YES                              | 5 249                                                    |                                              |                                                   | 0,000                                       | 147,22  | 0,000                    | 0,24                                                                                                                        | 0,000                                                | 0,2                                          | 0,00                          |
| 3                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | oats                                                                      | 3 487,50                                                           | oats                 | 3000                  | 2800                                        | 3 313,13                                     | 80,29%   | YES                              | 1 740                                                    |                                              |                                                   | 0,000                                       | 82,75   | 0,000                    | 0,16                                                                                                                        | 0,000                                                | 0,2                                          | 0,00                          |
| 4                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | rapeseed                                                                  | 1 965,00                                                           | rapeseed             | 3000                  | 4120                                        | 1 866,75                                     | 209,67%  | NO                               | 2 575                                                    |                                              |                                                   | 0,000                                       | 87,11   | 0,000                    | 0,91                                                                                                                        | 0,000                                                | 0,2                                          | 0,00                          |
| 5                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | soft wheat                                                                | 5 264,00                                                           | soft wheat           | 5500                  | 4260                                        | 5 000,80                                     | 80,93%   | YES                              | 4 084                                                    |                                              |                                                   | 0,000                                       | 207,49  | 0,000                    | 0,35                                                                                                                        | 0,000                                                | 0,2                                          | 0,00                          |
| 6                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | spring peas                                                               | 1 583,33                                                           | spring peas          | 1200                  | 1500                                        | 1 504,17                                     | 94,74%   | YES                              | 1 587                                                    |                                              |                                                   | 87,000                                      | 15,50   | 1,349                    | 0,36                                                                                                                        | 0,485                                                | 0,2                                          | 0,10                          |
| 7                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | sunflower                                                                 | 2 346,00                                                           | sunflower            | 1000                  | 950                                         | 2 228,70                                     | 40,49%   | YES                              | 1 388                                                    |                                              |                                                   | 438,000                                     | 246,10  | 107,792                  | 0,51                                                                                                                        | 54,579                                               | 0,2                                          | 10,92                         |
| 8                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | winter peas                                                               | 2 508,00                                                           | winter peas          | 2000                  | 1800                                        | 2 382,60                                     | 71,77%   | YES                              | 1 587                                                    |                                              |                                                   | 0,000                                       | 36,43   | 0,000                    | 0,35                                                                                                                        | 0,000                                                | 0,2                                          | 0,00                          |
| 9                                                                     | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Barley                                                                    | 5 812,00                                                           | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 10                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Fallow areas                                                              | 0,00                                                               | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 11                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Natural meadows                                                           | 0,00                                                               | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 12                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Permanent grasslands maintained in a state suitable for grazing or mowing | 0,00                                                               | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 13                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Permanent or temporary pastures for grazing animals                       | 0,00                                                               | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 14                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Alfalfa                                                                   | 2 764,00                                                           | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 15                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Soy                                                                       | 860,00                                                             | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 16                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Triticale (grain)                                                         | 4 255,00                                                           | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 17                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Turnip                                                                    | 405,00                                                             | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 18                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Phacelia                                                                  | 0,00                                                               | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 19                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Mustard                                                                   | 990,00                                                             | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 20                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Flax fiber                                                                | 940,00                                                             | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 21                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Black oats                                                                | 0,00                                                               | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 22                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Triticale for silage                                                      | 34 980,00                                                          | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 23                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Triticale for seed                                                        | 6 310,00                                                           | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |
| 24                                                                    | 13.11.2023                 | CSBG-425C-23/28-AGRI-0008 | 0000000104           | Sesame                                                                    | 0,00                                                               | N/A                  |                       |                                             |                                              |          |                                  |                                                          |                                              |                                                   |                                             |         |                          |                                                                                                                             |                                                      |                                              |                               |

|           | Name            | Code     | Date      |
|-----------|-----------------|----------|-----------|
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Стр. 1

Market Leakage\_Vuki