

**General information**

|                   |                                      |       |                                                        |
|-------------------|--------------------------------------|-------|--------------------------------------------------------|
| Remover name      | Gerko Kaput - Akkerbouwbedrijf Kaput |       |                                                        |
| Project code      | AKBL004                              |       |                                                        |
| Project name      | Akkerbouwbedrijf Kaput 2024          |       |                                                        |
| Location          | Hoofdweg 6, 9695 AK Bellingwolde     |       |                                                        |
| Area              | 18.13                                | ha    |                                                        |
| Starting year     | 2024                                 |       |                                                        |
| Duration          | 20                                   | years | estimated permanence of removal and storage            |
| Holding pool      | 20%                                  |       | freed up when measurements confirm projection pathways |
| Project emissions | 20%                                  |       | LCA estimate, or specified when >20%                   |

**Per hectare**

|                    |     |         |                                                                       |
|--------------------|-----|---------|-----------------------------------------------------------------------|
| Baseline TEC       | 370 | tCO2/ha | Soil Organic Carbon and Above Ground Carbon, following CDM AR-ACM0003 |
| Reference capacity | 458 | tCO2/ha | Using CEDA and Soil sample data                                       |
| Storage potential  | 89  | tCO2/ha | Projection -/- baseline                                               |

**Per project**

|                       |       |      |                                                                        |
|-----------------------|-------|------|------------------------------------------------------------------------|
| Projected storage     | 1,607 | tCO2 | storage potential per ha x area x storage duration 100 year equivalent |
| LCA emissions         | 321   | tCO2 | project related emissions                                              |
| Net storage potential | 1,285 | tCO2 | project storage -/- emissions over 20 years                            |

**Potential Carbon Removal Units**

|                        |     |       |                               |
|------------------------|-----|-------|-------------------------------|
| Units first 12 years   | 771 | units | 12/20 x net storage potential |
| Holding Pool           | 154 | units | 20% of the first 12 years     |
| Potential units issued | 617 | units |                               |

[illegible]



| #   | Field code  | Field                                     | Year | Date      | Sample depth (cm) | SOCIAGB/REF | Carbon (g/kg) | Size (ha) | AGB (tCO <sub>2</sub> e/ha) | AGB (tBiomass/ha) | Sample/report nr. | Sumproduct | Notes      |
|-----|-------------|-------------------------------------------|------|-----------|-------------------|-------------|---------------|-----------|-----------------------------|-------------------|-------------------|------------|------------|
| 026 | AKB-L-004-1 | <a href="#">hoobouwerle_voedschap.pdf</a> | 2024 | 16/2/2024 | 25                | SOC         | 2.92          | 3.33      |                             |                   | 737137/006274626  |            | 9.7238     |
| 026 | AKB-L-004-2 | <a href="#">hoobouwerle_weg.pdf</a>       | 2024 | 16/2/2024 | 25                | SOC         | 2.94          | 4.47      |                             |                   | 737162/006274626  |            | 13.1418    |
|     |             |                                           | 2020 |           |                   | AGB         |               | 7.8       | 40.37                       |                   | 22                |            | 314.886    |
| 027 | AKB-L-004-3 | <a href="#">L-1 links.pdf</a>             | 2024 | 16/2/2024 | 25                | SOC         | 4.32          | 4.45      |                             |                   | 737337/006274626  |            | 19.224     |
|     |             |                                           | 2020 |           |                   | AGB         |               | 7.75      | 0                           |                   | 0                 |            | 0          |
| 028 | AKB-L-004-4 | <a href="#">wiltz links.pdf</a>           | 2024 | 16/2/2024 | 25                | SOC         | 2.97          | 3.36      |                             |                   | 737308/006274626  |            | 9.9792     |
| 029 | AKB-L-004-5 | <a href="#">wiltz rechts.pdf</a>          | 2024 | 16/2/2024 | 25                | SOC         | 2.66          | 2.52      |                             |                   | 737353/006274626  |            | 6.7032     |
|     |             |                                           | 2020 |           |                   | AGB         |               | 5.88      | 13.72213                    |                   | 7.478             |            | 80.6861244 |
|     | AKB-L-001-3 | <a href="#">L-4 karat.pdf</a>             | 2021 | 10/1/2021 |                   | REF         | 4.4           | 3.4       |                             |                   | 706574/005287831  |            | 14.96      |
|     | AKB-L-001-5 | <a href="#">landjust telhe.pdf</a>        | 2020 | 2020      |                   | REF         |               | 4         | 79.633495                   |                   | 43.397            |            |            |

| Carbon Calculation for  |       | AKBL004  |                                |         |          |         |          |         |          |
|-------------------------|-------|----------|--------------------------------|---------|----------|---------|----------|---------|----------|
| Surface                 | 18.13 | ha       | <a href="#">Fields tab</a>     |         |          |         |          |         |          |
| Capacity Reference SOC  | 4.40  | SOC %    | <a href="#">References tab</a> |         |          |         |          |         |          |
| Capacity Reference AGB  | 7.31  | tCO2e/ha | <a href="#">References tab</a> |         |          |         |          |         |          |
|                         |       |          |                                |         |          |         |          |         |          |
|                         | 2024  |          |                                | 2027    |          | 2030    |          | 2033    |          |
| Measurement average     | 3.16  | SOC g/kg |                                | #DIV/0! | SOC g/kg | #DIV/0! | SOC g/kg | #DIV/0! | SOC g/kg |
| Sample depth            | 25    | cm       |                                | #DIV/0! | cm       | #DIV/0! | cm       | #DIV/0! | cm       |
| Calculation depth       | 25    | cm       |                                | 30      | cm       | 30      | cm       | 30      | cm       |
| Soil density            | 1.25  | g/cm3    |                                | #DIV/0! | g/cm3    | #DIV/0! | g/cm3    | #DIV/0! | g/cm3    |
| SOC (soil carbon) / ha  | 362   | tCO2e/ha |                                | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha |
| AGB (above ground) / ha | 7.31  | tCO2e/ha |                                | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha |
| Storage current         | 6,701 | tCO2e    |                                | #DIV/0! | tCO2e    | #DIV/0! | tCO2e    | #DIV/0! | tCO2e    |
| Storage capacity        | 8,308 | tCO2e    |                                | 1,509   | tCO2e    | 1,509   | tCO2e    | 1,509   | tCO2e    |

|                                    |                                                                                                                                  |                                                   |                                                                      |  |  |  |  |  |  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--|--|--|--|--|--|
| <b>Sources</b>                     |                                                                                                                                  |                                                   |                                                                      |  |  |  |  |  |  |
| <b>value</b>                       | <b>source</b>                                                                                                                    | <b>URL</b>                                        | <b>Notes</b>                                                         |  |  |  |  |  |  |
| CEDA aboveground biomass carbon    | <a href="https://climatee">https://climatee</a>                                                                                  | <a href="https://dataceda">https://dataceda</a>   | 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 Ur                                                                                                                    | <a href="https://edepot.wu">https://edepot.wu</a> | We've added these soil density levels to the calculation factors tab |  |  |  |  |  |  |
| <b>Reference data for capacity</b> |                                                                                                                                  |                                                   |                                                                      |  |  |  |  |  |  |
| SOC (soil)                         | 4.4                                                                                                                              | C g/kg                                            | * L 4 kanaal field reference                                         |  |  |  |  |  |  |
| AGB (above ground)                 | 7.31                                                                                                                             | tCO2e/ha                                          | * no change in AGB                                                   |  |  |  |  |  |  |

| 3 656666967 |           |           |             |
|-------------|-----------|-----------|-------------|
| sol density | % organic | % organic | sol density |
| 1.59        | 0.5       | 0.25      | 1.59        |
| 1.583       | 0.6       | 0.3       | 1.583       |
| 1.576       | 0.7       | 0.35      | 1.576       |
| 1.569       | 0.8       | 0.4       | 1.569       |
| 1.562       | 0.9       | 0.45      | 1.562       |
| 1.555       | 1         | 0.5       | 1.555       |
| 1.548       | 1.1       | 0.55      | 1.548       |
| 1.541       | 1.2       | 0.6       | 1.541       |
| 1.534       | 1.3       | 0.65      | 1.534       |
| 1.527       | 1.4       | 0.7       | 1.527       |
| 1.52        | 1.5       | 0.75      | 1.52        |
| 1.513       | 1.6       | 0.8       | 1.513       |
| 1.506       | 1.7       | 0.85      | 1.506       |
| 1.499       | 1.8       | 0.9       | 1.499       |
| 1.492       | 1.9       | 0.95      | 1.492       |
| 1.485       | 2         | 1         | 1.485       |
| 1.478       | 2.1       | 1.05      | 1.478       |
| 1.471       | 2.2       | 1.1       | 1.471       |
| 1.464       | 2.3       | 1.15      | 1.464       |
| 1.457       | 2.4       | 1.2       | 1.457       |
| 1.45        | 2.5       | 1.25      | 1.45        |
| 1.444       | 2.6       | 1.3       | 1.444       |
| 1.438       | 2.7       | 1.35      | 1.438       |
| 1.432       | 2.8       | 1.4       | 1.432       |
| 1.426       | 2.9       | 1.45      | 1.426       |
| 1.42        | 3         | 1.5       | 1.42        |
| 1.414       | 3.1       | 1.55      | 1.414       |
| 1.408       | 3.2       | 1.6       | 1.408       |
| 1.402       | 3.3       | 1.65      | 1.402       |
| 1.396       | 3.4       | 1.7       | 1.396       |
| 1.39        | 3.5       | 1.75      | 1.39        |
| 1.385       | 3.6       | 1.8       | 1.385       |
| 1.38        | 3.7       | 1.85      | 1.38        |
| 1.375       | 3.8       | 1.9       | 1.375       |
| 1.37        | 3.9       | 1.95      | 1.37        |
| 1.365       | 4         | 2         | 1.365       |
| 1.36        | 4.1       | 2.05      | 1.36        |
| 1.355       | 4.2       | 2.1       | 1.355       |
| 1.35        | 4.3       | 2.15      | 1.35        |
| 1.345       | 4.4       | 2.2       | 1.345       |
| 1.34        | 4.5       | 2.25      | 1.34        |
| 1.335       | 4.6       | 2.3       | 1.335       |
| 1.33        | 4.7       | 2.35      | 1.33        |
| 1.325       | 4.8       | 2.4       | 1.325       |
| 1.32        | 4.9       | 2.45      | 1.32        |
| 1.315       | 5         | 2.5       | 1.315       |
| 1.31        | 5.1       | 2.55      | 1.31        |
| 1.305       | 5.2       | 2.6       | 1.305       |
| 1.3         | 5.3       | 2.65      | 1.3         |
| 1.295       | 5.4       | 2.7       | 1.295       |
| 1.29        | 5.5       | 2.75      | 1.29        |
| 1.285       | 5.6       | 2.8       | 1.285       |
| 1.28        | 5.7       | 2.85      | 1.28        |
| 1.275       | 5.8       | 2.9       | 1.275       |
| 1.27        | 5.9       | 2.95      | 1.27        |
| 1.265       | 6         | 3         | 1.265       |
| 1.26        | 6.1       | 3.05      | 1.26        |
| 1.255       | 6.2       | 3.1       | 1.255       |
| 1.25        | 6.3       | 3.15      | 1.25        |
| 1.245       | 6.4       | 3.2       | 1.245       |
| 1.24        | 6.5       | 3.25      | 1.24        |
| 1.234       | 6.6       | 3.3       | 1.234       |
| 1.228       | 6.7       | 3.35      | 1.228       |
| 1.222       | 6.8       | 3.4       | 1.222       |
| 1.216       | 6.9       | 3.45      | 1.216       |
| 1.21        | 7         | 3.5       | 1.21        |
| 1.204       | 7.1       | 3.55      | 1.204       |
| 1.198       | 7.2       | 3.6       | 1.198       |
| 1.192       | 7.3       | 3.65      | 1.192       |
| 1.186       | 7.4       | 3.7       | 1.186       |
| 1.18        | 7.5       | 3.75      | 1.18        |
| 1.175       | 7.6       | 3.8       | 1.175       |
| 1.17        | 7.7       | 3.85      | 1.17        |
| 1.165       | 7.8       | 3.9       | 1.165       |
| 1.16        | 7.9       | 3.95      | 1.16        |
| 1.155       | 8         | 4         | 1.155       |
| 1.15        | 8.1       | 4.05      | 1.15        |
| 1.145       | 8.2       | 4.1       | 1.145       |
| 1.14        | 8.3       | 4.15      | 1.14        |
| 1.135       | 8.4       | 4.2       | 1.135       |
| 1.13        | 8.5       | 4.25      | 1.13        |
| 1.126       | 8.6       | 4.3       | 1.126       |
| 1.122       | 8.7       | 4.35      | 1.122       |
| 1.118       | 8.8       | 4.4       | 1.118       |
| 1.114       | 8.9       | 4.45      | 1.114       |
| 1.11        | 9         | 4.5       | 1.11        |
| 1.106       | 9.1       | 4.55      | 1.106       |
| 1.102       | 9.2       | 4.6       | 1.102       |
| 1.098       | 9.3       | 4.65      | 1.098       |
| 1.094       | 9.4       | 4.7       | 1.094       |
| 1.09        | 9.5       | 4.75      | 1.09        |
| 1.086       | 9.6       | 4.8       | 1.086       |
| 1.082       | 9.7       | 4.85      | 1.082       |
| 1.078       | 9.8       | 4.9       | 1.078       |
| 1.074       | 9.9       | 4.95      | 1.074       |
| 1.07        | 10        | 5         | 1.07        |
| 1.066       | 10.1      | 5.05      | 1.066       |
| 1.062       | 10.2      | 5.1       | 1.062       |
| 1.058       | 10.3      | 5.15      | 1.058       |
| 1.054       | 10.4      | 5.2       | 1.054       |
| 1.05        | 10.5      | 5.25      | 1.05        |
| 1.046       | 10.6      | 5.3       | 1.046       |





