



Supplement of

Eddy covariance diverges from inventory and model-based estimates of soil organic carbon stock change across five crop rotations in Belgian cropland

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Table S1. Main farming activities over the period 2004-2024 at the Lonzée ICOS station

Date	Crop	Type of operation
1-Feb-04	Sugar beet	Ploughing
30-March-04	Sugar beet	Tillage + sowing
1-Apr.-04	Sugar beet	Fertiliser application (Nitrogen + weeding)
24-Apr.-04	Sugar beet	Pesticide application (weeding)
3-May-04	Sugar beet	Pesticide application (weeding)
12-May-04	Sugar beet	Fertiliser application (Boron+Magnesia)
12-May-04	Sugar beet	Pesticide application (weeding)
23-May-04	Sugar beet	Pesticide application (weeding)
31-May-04	Sugar beet	Pesticide application (weeding)
7-Aug.-04	Sugar beet	Pesticide application (fungicide)
29-sept.-04	Sugar beet	Harvest
14-oct.-04	Winter wheat	Tillage + sowing
18-March-05	Winter wheat	Pesticide application (weeding)
22-March-05	Winter wheat	Fertiliser application (Nitrogen)
12-Apr.-05	Winter wheat	Fertiliser application (Nitrogen)
12-Apr.-05	Winter wheat	Growth regulator
11-May-05	Winter wheat	Pesticide application (weeding)
12-May-05	Winter wheat	Fertiliser application (Nitrogen)
19-May-05	Winter wheat	Pesticide application (fungicide)
30-May-05	Winter wheat	Fertiliser application (Nitrogen)
3-Aug.-05	Winter wheat	Harvest

28-Aug.-05	Intercrop	Tillage (stubble breaking)
23-nov.-05	Intercrop	Ploughing
11-Apr.-06	Intercrop	Fertiliser application
1-May-06	Potato	Planting
2-May-06	Potato	Fertiliser application (Nitrogen + weeding)
13-May-06	Potato	Definitive ridging
14-May-06	Potato	Pesticide application (weeding)
1-June-06	Potato	Pesticide application (insecticide +fungicide)
9-June-06	Potato	Pesticide application (insecticide +fungicide)
15-June-06	Potato	Pesticide application (insecticide +fungicide)
20-June-06	Potato	Pesticide application (insecticide +fungicide)
27-June-06	Potato	Pesticide application (insecticide +fungicide)
3-July-06	Potato	Pesticide application (insecticide +fungicide)
8-July-06	Potato	Pesticide application (insecticide +fungicide)
13-July-06	Potato	Pesticide application (insecticide +fungicide)
19-July-06	Potato	Pesticide application (insecticide +fungicide)
6-Aug.-06	Potato	Chemical haulm application
13-Aug.-06	Potato	Chemical haulm application
15-sept.-06	Potato	Harvest
19-sept.-06	Intercrop	Tillage + sowing
13-oct.-06	Winter wheat	Sowing
16-March-07	Winter wheat	Pesticide application (weeding)
16-March-07	Winter wheat	Pesticide application (insecticide)
17-March-07	Winter wheat	Fertiliser application (Nitrogen)

12-Apr.-07	Winter wheat	Fertiliser application (Nitrogen)
12-Apr.-07	Winter wheat	Growth regulator
19-Apr.-07	Winter wheat	Pesticide application (fungicide)
8-May-07	Winter wheat	Fertiliser application (Nitrogen)
23-May-07	Winter wheat	Pesticide application (fungicide)
23-May-07	Winter wheat	Pesticide application (insecticide)
5-Aug.-07	Winter wheat	Harvest
10-sept.-07	Intercrop	Amendment
20-sept.-07	Intercrop	Tillage
5-janv.-08	Intercrop	Ploughing
20-Apr.-08	Intercrop	Fertiliser application (Nitrogen + weeding)
22-Apr.-08	Sugar beet	Tillage + sowing
9-May-08	Sugar beet	Pesticide application (weeding)
14-May-08	Sugar beet	Pesticide application (weeding)
14-May-08	Sugar beet	Pesticide application (weeding)
23-May-08	Sugar beet	Fertiliser application (Boron+Magnesia)
23-May-08	Sugar beet	Pesticide application (weeding)
23-May-08	Sugar beet	Pesticide application (weeding)
23-May-08	Sugar beet	Pesticide application (weeding)
30-May-08	Sugar beet	Pesticide application (weeding)
29-July-08	Sugar beet	Pesticide application (fungicide)
25-Aug.-08	Sugar beet	Pesticide application (fungicide)
4-nov.-08	Sugar beet	Harvest
13-nov.-08	Winter wheat	Ploughing

13-nov.-08	Winter wheat	Tillage + sowing
18-March-09	Winter wheat	Fertiliser application (Nitrogen + weeding)
24-Apr.-09	Winter wheat	Fertiliser application (Nitrogen)
24-Apr.-09	Winter wheat	Growth regulator
9-May-09	Winter wheat	Pesticide application (fungicide)
9-May-09	Winter wheat	Pesticide application (fungicide)
28-May-09	Winter wheat	Fertiliser application (Nitrogen)
8-June-09	Winter wheat	Pesticide application (fungicide)
7-Aug.-09	Winter wheat	Harvest
26-Aug.-09	Intercrop	Amendment
31-Aug.-09	Intercrop	Tillage (stubble breaking)
1-sept.-09	Mustard	Sowing
1-déc.-09	Mustard	Crushing
11-déc.-09	Intercrop	Ploughing
12-Apr.-10	Intercrop	Fertiliser application (Nitrogen)
25-Apr.-10	Potato	Planting
5-May-10	Potato	Fertiliser application (Nitrogen)
8-May-10	Potato	Definitive ridging
11-May-10	Potato	Pesticide application (weeding)
3-June-10	Potato	Pesticide application (weeding + insecticide)
7-June-10	Potato	Pesticide application (fungicide + insecticide)
13-June-10	Potato	Pesticide application (fungicide)
13-June-10	Potato	Pesticide application (insecticide)
22-June-10	Potato	Pesticide application (fungicide + insecticide)

29-June-10	Potato	Pesticide application (insecticide)
6-July-10	Potato	Pesticide application (insecticide)
13-July-10	Potato	Pesticide application (insecticide + fungicide)
23-July-10	Potato	Pesticide application (insecticide)
3-Aug.-10	Potato	Pesticide application (insecticide)
10-Aug.-10	Potato	Chemical haulm application
13-Aug.-10	Potato	Chemical haulm application
5-sept.-10	Potato	Harvest
6-oct.-10	Intercrop	Pesticide application (weeding)
14-oct.-10	Winter wheat	Tillage + sowing
12-March-11	Winter wheat	Fertiliser application (Nitrogen + weeding)
6-Apr.-11	Winter wheat	Fertiliser application (Nitrogen)
16-May-11	Winter wheat	Fertiliser application (Nitrogen)
19-May-11	Winter wheat	Pesticide application (insecticide)
30-May-11	Winter wheat	Pesticide application (fungicide)
16-Aug.-11	Winter wheat	Harvest
20-Aug.-11	Intercrop	Amendment
30-Aug.-11	Intercrop	Tillage (stubble breaking)
10-sept.-11	Intercrop	Fertiliser application (KCL)
21-oct.-11	Intercrop	Ploughing
14-May-12	Maize	Sowing
14-May-12	Maize	Fertiliser application (Nitrogen)
5-June-12	Maize	Pesticide application (weeding)
13-oct.-12	Maize	Harvest

25-oct.-12	Winter wheat	Ploughing
25-oct.-12	Winter wheat	Tillage + sowing
16-Apr.-13	Winter wheat	Fertiliser application (Nitrogen)
17-Apr.-13	Winter wheat	Pesticide application (weeding)
7-May-13	Winter wheat	Fertiliser application (Nitrogen)
21-May-13	Winter wheat	Fertiliser application (Nitrogen)
8-June-13	Winter wheat	Pesticide application (fungicide)
26-June-13	Winter wheat	Pesticide application (fungicide)
12-Aug.-13	Winter wheat	Harvest
21-Aug.-13	Intercrop	Tillage (stubble breaking)
25-Aug.-13	Intercrop	Fertiliser application (KCL)
5-sept.-13	Mustard	Tillage (stubble breaking)
5-sept.-13	Mustard	Sowing
15-nov.-13	Mustard	Ploughing
2-Apr.-14	Intercrop	Fertiliser application (Nitrogen)
7-Apr.-14	Potato	Planting
7-Apr.-14	Potato	Pesticide application (fungicide)
8-Apr.-14	Potato	Pesticide application (weeding)
12-May-14	Potato	Pesticide application (insecticide + weeding)
17-May-14	Potato	Pesticide application (insecticide)
23-May-14	Potato	Pesticide application (insecticide)
29-May-14	Potato	Pesticide application (insecticide + fungicide)
6-June-14	Potato	Pesticide application (fungicide + insecticide)
11-June-14	Potato	Pesticide application (fungicide + insecticide)

17-June-14	Potato	Pesticide application (fungicide)
17-June-14	Potato	Pesticide application (fungicide + insecticide)
23-June-14	Potato	Pesticide application (fungicide + insecticide)
30-June-14	Potato	Pesticide application (fungicide + insecticide)
7-July-14	Potato	Pesticide application (fungicide)
15-July-14	Potato	Chemical haulm application
15-July-14	Potato	Pesticide application (fungicide)
19-July-14	Potato	Chemical haulm application
19-July-14	Potato	Pesticide application (fungicide)
22-Aug.-14	Potato	Harvest
31-Aug.-14	Intercrop	Tillage (stubble breaking)
14-oct.-14	Winter wheat	Tillage + sowing
24-nov.-14	Winter wheat	Pesticide application (weeding + insecticide)
12-March-15	Winter wheat	Pesticide application (weeding)
14-March-15	Winter wheat	Fertiliser application (Nitrogen)
15-Apr.-15	Winter wheat	Fertiliser application (Nitrogen)
15-Apr.-15	Winter wheat	Growth regulator
11-May-15	Winter wheat	Fertiliser application (Nitrogen)
26-May-15	Winter wheat	Pesticide application (fungicide)
2-Aug.-15	Winter wheat	Harvest
17-Aug.-15	Intercrop	Amendment
21-Aug.-15	Mustard	Amendment
21-Aug.-15	Mustard	Sowing
9-déc.-15	Mustard	Ploughing

22-March-16	Intercrop	Fertiliser application (Nitrogen)
9-Apr.-16	Intercrop	Pesticide application (weeding)
13-Apr.-16	Sugar beet	Tillage + sowing
3-May-16	Sugar beet	Pesticide application (weeding)
9-May-16	Sugar beet	Pesticide application (weeding)
9-May-16	Sugar beet	Pesticide application (weeding)
19-May-16	Sugar beet	Pesticide application (weeding)
11-June-16	Sugar beet	Fertiliser application (Nitrogen)
23-June-16	Sugar beet	Pesticide application (weeding)
1-Aug.-16	Sugar beet	Pesticide application (fungicide)
14-Aug.-16	Sugar beet	Pesticide application (fungicide)
27-oct.-16	Sugar beet	Harvest
29-oct.-16	Winter wheat	Ploughing
29-oct.-16	Winter wheat	Tillage + sowing
15-March-17	Winter wheat	Pesticide application (weeding)
16-March-17	Winter wheat	Fertiliser application (Nitrogen)
12-Apr.-17	Winter wheat	Fertiliser application (Nitrogen)
12-Apr.-17	Winter wheat	Growth regulator
8-May-17	Winter wheat	Pesticide application (fungicide)
12-May-17	Winter wheat	Fertiliser application (Nitrogen)
1-June-17	Winter wheat	Pesticide application (fungicide)
30-July-17	Winter wheat	Harvest
26-Aug.-17	Intercrop	Pesticide application (weeding)
7-sept.-17	Mustard	Tillage (stubble breaking)

7-sept.-17	Mustard	Sowing
8-déc.-17	Mustard	Ploughing
12-Apr.-18	Intercrop	Fertiliser application
23-Apr.-18	Potato	Planting
10-May-18	Potato	Fertiliser application (Nitrogen)
10-May-18	Potato	Definitive ridging
13-May-18	Potato	Pesticide application (weeding)
23-May-18	Potato	Pesticide application (insecticide)
26-May-18	Potato	Pesticide application (insecticide)
31-May-18	Potato	Pesticide application (insecticide)
2-June-18	Potato	Irrigation
4-June-18	Potato	Pesticide application (fungicide)
10-June-18	Potato	Irrigation
13-June-18	Potato	Pesticide application (fungicide)
13-June-18	Potato	Pesticide application (insecticide)
19-June-18	Potato	Pesticide application (fungicide + insecticide)
21-June-18	Potato	Irrigation
26-June-18	Potato	Pesticide application (fungicide)
26-June-18	Potato	Pesticide application (insecticide)
7-July-18	Potato	Pesticide application (insecticide)
19-July-18	Potato	Pesticide application (fungicide)
21-July-18	Potato	Chemical haulm application
26-July-18	Potato	Chemical haulm application
3-Aug.-18	Potato	Crushing

4-Aug.-18	Potato	Chemical haulm application
8-Aug.-18	Potato	Chemical haulm application
11-sept.-18	Potato	Harvest
21-sept.-18	Intercrop	Tillage (stubble breaking)
10-oct.-18	Winter wheat	Tillage + sowing
24-oct.-18	Winter wheat	Pesticide application (weeding)
25-March-19	Winter wheat	Fertiliser application (Nitrogen)
17-Apr.-19	Winter wheat	Fertiliser application (Nitrogen)
17-Apr.-19	Winter wheat	Growth regulator
10-May-19	Winter wheat	Pesticide application (fungicide)
20-May-19	Winter wheat	Fertiliser application (Nitrogen)
3-June-19	Winter wheat	Pesticide application (fungicide)
1-Aug.-19	Winter wheat	Harvest
7-Aug.-19	Intercrop	Amendment
9-Aug.-19	Intercrop	Tillage (stubble breaking)
9-Aug.-19	Oat - Faba bean	Sowing
3-déc.-19	Oat - Faba bean	Crushing
5-déc.-19	Intercrop	Ploughing
27-March-20	Intercrop	Fertiliser application (KCL)
30-March-20	Intercrop	Fertiliser application (Nitrogen)
1-Apr.-20	Sugar beet	Tillage + sowing
16-Apr.-20	Sugar beet	Pesticide application (weeding)
3-May-20	Sugar beet	Pesticide application (weeding)
4-May-20	Sugar beet	Pesticide application (insecticide)

16-May-20	Sugar beet	Pesticide application (weeding + insecticide)
16-May-20	Sugar beet	Fertiliser application (Boron + Magnesium)
18-Aug.-20	Sugar beet	Pesticide application (fungicide)
13-nov.-20	Sugar beet	Harvest
14-nov.-20	Intercrop	Ploughing
3-March-21	Intercrop	Fertiliser application (KCL)
31-March-21	Intercrop	Fertiliser application (Nitrogen)
1-Apr.-21	Spinach	Tillage + sowing
3-Apr.-21	Spinach	Pesticide application (weeding)
9-June-21	Spinach	Crushing
11-June-21	Intercrop	Amendment
15-June-21	Intercrop	Ploughing
22-July-21	Intercrop	Pesticide application (weeding)
23-July-21	Green dwarf bean	Tillage + sowing
24-July-21	Green dwarf bean	Pesticide application (weeding)
14-Aug.-21	Green dwarf bean	Pesticide application (fungicide)
7-sept.-21	Green dwarf bean	Pesticide application (fungicide + Magnesium)
20-sept.-21	Green dwarf bean	Pesticide application (fungicide + Magnesium)
25-sept.-21	Green dwarf bean	Irrigation
24-oct.-21	Green dwarf bean	Harvest
27-oct.-21	Intercrop	Ploughing
28-oct.-21	Winter wheat	Tillage + sowing
24-March-22	Winter wheat	Fertiliser application (Nitrogen)
13-Apr.-22	Winter wheat	Pesticide application (weeding)

13-Apr.-22	Winter wheat	Growth regulator
13-Apr.-22	Winter wheat	Fertiliser application
14-Apr.-22	Winter wheat	Fertiliser application (Nitrogen)
12-May-22	Winter wheat	Pesticide application (fungicide)
17-May-22	Winter wheat	Fertiliser application (Nitrogen)
31-May-22	Winter wheat	Pesticide application (fungicide)
24-July-22	Winter wheat	Harvest
17-Aug.-22	Intercrop	Tillage (stubble breaking)
13-sept.-22	Mustard	Sowing
16-nov.-22	Mustard	Crushing
16-nov.-22	Mustard	Ploughing
2-May-23	Intercrop	Fertiliser application (Nitrogen + weeding)
4-May-23	Potato	Planting
24-May-23	Potato	Definitive ridging
31-May-23	Potato	Pesticide application (weeding)
31-May-23	Potato	Pesticide application (weeding)
6-June-23	Potato	Treatment against insects
10-June-23	Potato	Treatment against insects
10-June-23	Potato	Pesticide application (insecticide)
12-June-23	Potato	Irrigation
15-June-23	Potato	Treatment against insects
17-June-23	Potato	Irrigation
19-June-23	Potato	Treatment against insects
24-June-23	Potato	Treatment against insects

24-June-23	Potato	Pesticide application (insecticide + fungicide)
27-June-23	Potato	Irrigation
29-June-23	Potato	Treatment against insects
29-June-23	Potato	Pesticide application (insecticide)
6-July-23	Potato	Treatment against insects
6-July-23	Potato	Pesticide application (insecticide + fungicide)
10-July-23	Potato	Treatment against insects
11-July-23	Potato	Irrigation
19-July-23	Potato	Treatment against insects
19-July-23	Potato	Pesticide application (insecticide)
19-July-23	Potato	Pesticide application (fungicide)
26-July-23	Potato	Pesticide application (fungicide)
1-Aug.-23	Potato	Treatment against insects
1-Aug.-23	Potato	Chemical haulm application
1-Aug.-23	Potato	Pesticide application (fungicide)
8-Aug.-23	Potato	Treatment against insects
8-Aug.-23	Potato	Chemical haulm application
8-Aug.-23	Potato	Pesticide application (fungicide)
10-Aug.-23	Potato	Crushing
12-sept.-23	Potato	Harvest
12-sept.-23	Potato	Tillage (stubble breaking)
16-oct.-23	Winter wheat	Tillage + sowing
20-March-24	Winter wheat	Fertiliser application (Nitrogen)
22-March-24	Winter wheat	Pesticide application (weeding)

7-Apr.-24	Winter wheat	Fertiliser application (Nitrogen)
7-Apr.-24	Winter wheat	Growth regulator
8-May-24	Winter wheat	Fertiliser application (Nitrogen)
28-May-24	Winter wheat	Pesticide application (fungicide)
5-Aug.-24	Winter wheat	Harvest

Table S2. List of sensors at the Lonzée ICOS station

Date of installation	Device	Reference	Variable	Height (m)
1.01.2014	Sonic anemometer	Solent Research HS-50, Gill Instruments Lymington, UK	Wind velocity and wind direction	2 or 2.4
1.01.2014	Infrared gas analyzer	LI-7200, LI-COR, Lincoln, NE, US	CO ₂ and H ₂ O concentration	1.96 or 2.36
28.08.2014	Pyrradiometer	CNR 4, Kipp and Zonen, Delft, NL	Solar radiation	2.9
4.10.2005	Pyrradiometer	CNR1, Kipp and Zonen, Delft, NL	Solar radiation (Back up)	2.8
1.07.2014	Photo-receptor Cells	PAR Quantum sensor SKP 215, Skye Instruments Limited, Llandrindod Wells, UK	Photosynthetic Photon Flux Density	2.9
1.07.2014	Photo-receptor Cells	PAR Quantum sensor SKP 215, Skye Instruments Limited, Llandrindod Wells, UK	Reflected Photosynthetic Photon Flux Density	2.7
12.03.2019	Ultrasonic anemometer	WindSonic 75 Ultrasonic Wind Sensor, Gill Instruments Lymington, UK	Wind velocity and wind direction	2.93
20.06.2014	Weighing Rain Gauge	TRwS415, MPS system sro, Bratislava, SK	Precipitation	1.05
19.04.2004	Tipping Bucket Rain Gauge	52202, R.M. Young Company, Traverse city, MI, US	Precipitation (Back up)	1.35

1.07.2014	Resistive platinum thermometer and electrical capacitive hygrometer	HMP155, Vaisala Oyj, Helsinki, FI	Air temperature, Air humidity	2 ou 2.4, 2.9
9.08.2013	Barometer	PTB110/CS106, Campbell Scientific, Logan, UT, US	Atmospheric pressure	0.9
05.2018	Platinum resistance thermometer	Temperature Profile Probe MTPP, MicroStep spol. s r.o., Bratislava, SK	Soil temperature	-0.05, -0.15, -0.25, -0.55, -0.85
05.2018	Platinum resistance thermometer	PT100D Digital Thermometer, MicroStep spol. s r.o., Bratislava, SK	Soil temperature	-0.01, -0.05
15.04.2015	Silicon bandgap temperature sensor (transistor) and capacitance sensors (FDR)	EnviroSCAN Probe, Sentek Sensor Technologies, Stepney, SA, AU	Soil water content	-0.05, -0.15, -0.25, -0.55, -0.85
05.2018	Time domain reflectometer	ML3 ThetaProbe Soil Moisture Sensor, Delta-T Devices Ltd, Cambridge, UK	Soil water content	-0.05
1.09.2014 1.04.2015 2016	Self-Calibrating Soil Heat Flux Plate	HFP01SC, Hukseflux Thermal Sensors B.V., Delft, NL	Soil Heat Flux	-0.05
11.04.2018	Pressure Transducer	CS451, Campbell Scientific, Logan, UT, US	Water table depth	-2.34
1.07.2014	Sonic Ranging Sensor	SR50A-L, Campbell Scientific, Logan, UT, US	Snow depth	2.13
1.07.2014	Infra-red Remote Temperature Sensor	IR 120, Campbell Scientific, Logan, UT, US	Canopy temperature	2.15
07.11.2006	NDVI sensor	Labo ESE Unif Paris	Normalized Difference Vegetation Index	2.15
6.08.2004	Photo-receptor Cells	Sunshine sensor type BF3, Delta-T Devices Ltd, Cambridge, UK	Diffuse Photosynthetic Photon Flux Density	2.5

1.01.2014	Sonic anemometer	Solent Research HS-50, Gill Instruments Lymington, UK	Wind velocity	2.8
1.01.2014	Infrared gas analyzer	LI-7200, LI-COR, Lincoln, NE, US	CO ₂ and H ₂ O concentration	2.8
28.08.2014	Pyrradiometer	CNR 4, Kipp and Zonen, Delft, NL	Solar radiation	2.8
4.10.2005	Pyrradiometer	CNR1, Kipp and Zonen, Delft, NL	Solar radiation (bis)	2.8
1.04.2004	Pyrradiometer	Q*7.1, REBS, Seattle, WA, USA	Net solar radiation	2.7
1.07.2014	Photo-receptor Cells	PAR Quantum sensor SKP 215 Skye Instruments Limited, Llandrindod Wells, UK	Photosynthetic Photon Flux Density	2.88
1.07.2014	Photo-receptor Cells	PAR Quantum sensor SKP 215 Skye Instruments Limited, Llandrindod Wells, UK	Reflected Photosynthetic Photon Flux Density	2.65
	Waiting for protocol		CO ₂ concentration	2.8, 1, 0.3
20.06.2014	Weighing Rain Gauge	TRws415, MPS system sro, Bratislava, Slovakia	Precipitation	1.1
19.04.2004	Tipping Bucket Rain Gauge	52202, R.M. Young Company, Traverse city, MI, US	Precipitation (backup)	1.4
1.07.2014	Thermistor and electrical capacitive hygrometer	RHT2nl, Delta-T Devices Ltd, Cambridge, UK	Air temperature, Air humidity	2.8, 1, 0.3
9.08.2013	Barometer	PTB110/CS106, Campbell Scientific, Logan, UT, US	Atmospheric pressure	0.9

1.09.2014 1.04.2015 2016	Electrical resistance thermometer	PT 107, Campbell Scientific, Logan, UT, US	Soil temperature	-0.01, -0.05, -0.15, -0.25, -0.45
1.09.2014	Time domain reflectometer	CS616, Campbell Scientific, Logan, UT, US	Soil moisture	-0.05, -0.15, -0.25 -0.45
1.04.2015, 1.04.2015, 15.04.2015	Silicon bandgap temperature sensor (transistor) and capacitance sensors (FDR)	EnviroSCAN Probe, Sentek Sensor Technologies, Stepney, SA, AU	Soil temperature and moisture	-0.05, -0.15, -0.25 -0.45
1.09.2014 1.04.2015 2016	Self-Calibrating Soil Heat Flux Plate	HFP01SC, Hukseflux Thermal Sensors B.V., Delft, NL	Soil Heat Flux	-0.05
1.12.2014	Pressure Transducer	ED752, Baumer, Frauenfeld, CH	Water table depth	-3
1.07.2014	Sonic Ranging Sensor	SR50A-L, Campbell Scientific, Logan, UT, US	Snow depth	2
1.07.2014	Infra-red Remote Temperature Sensor	IR 120, Campbell Scientific, Logan, UT, US	Canopy temperature	2
07.11.2006	NDVI sensor	Labo ESE Unif Paris	NDVI	1.7
1.04.2004	Sonic anemometer	Solent Research R3, Gill Instruments Lymington, UK	Wind velocity	2.7
1.04.2004	Infrared gas analyzer	LI-7000, LI-COR, Lincoln, NE, USA	CO2 and H2O concentration	2.45
1.04.2004	Pyranometer	CM21, Kipp and Zonen, Delft, NL	Global solar radiation	2.7
1.04.2004	Pyrradiometer	Q*7.1, REBS, Seattle, WA, USA	Net solar radiation	2.7
1.04.2004	Photo-receptor Cells	PAR Quantum sensor SKP 215 Skye Instruments Limited, UK	Photosynthetic Photon Flux Density	2.7

6.08.2004	Photo-receptor Cells	Sunshine sensor type BF3, Delta-T Devices Ltd, Cambridge, UK	Diffuse Photosynthetic Photon Flux Density	2.7
19.04.2004	Collector + Tipping Bucket	Unit of physics, FUSAGx, Gembloux (B)	Precipitation	1
1.04.2004	Thermistor and electrical capacitive hygrometer	RHT2nl, Delta-T Devices Ltd, Cambridge, UK	Air temperature Air humidity	1.3
1.04.2004	Barometer	MPX4115A, Motorola, Phoenix, AR, USA	Atmospheric pressure	1
1.04.2004	Thermometer with platinum resistance	PT 100, Jumo	Soil temperature	-0.03, -0.055, - 0.09, -0.26, -0.56
1.04.2004	Time domain reflectometer	ML2 ThetaProbe, Delta-T Devices Ltd, Cambridge, UK	Soil moisture	-0.05, -0.2, -0.4
1.04.2004	Soil Heat Flux Plate	HFP01, Hukseflux Thermal Sensors B.V., Delft, NL	Soil Heat Flux	-0.06
30.08.2004	Infrared gaz analyser	Gascard II, Edinburgh Sensors Ltd, UK	CO2 concentration	1.8, 1, 0.5, 0.2
6.08.2004	Photo-receptor Cells	Sunshine sensor type BF3, Delta-T Devices Ltd, Cambridge, UK	diffuse PPFD	2.7