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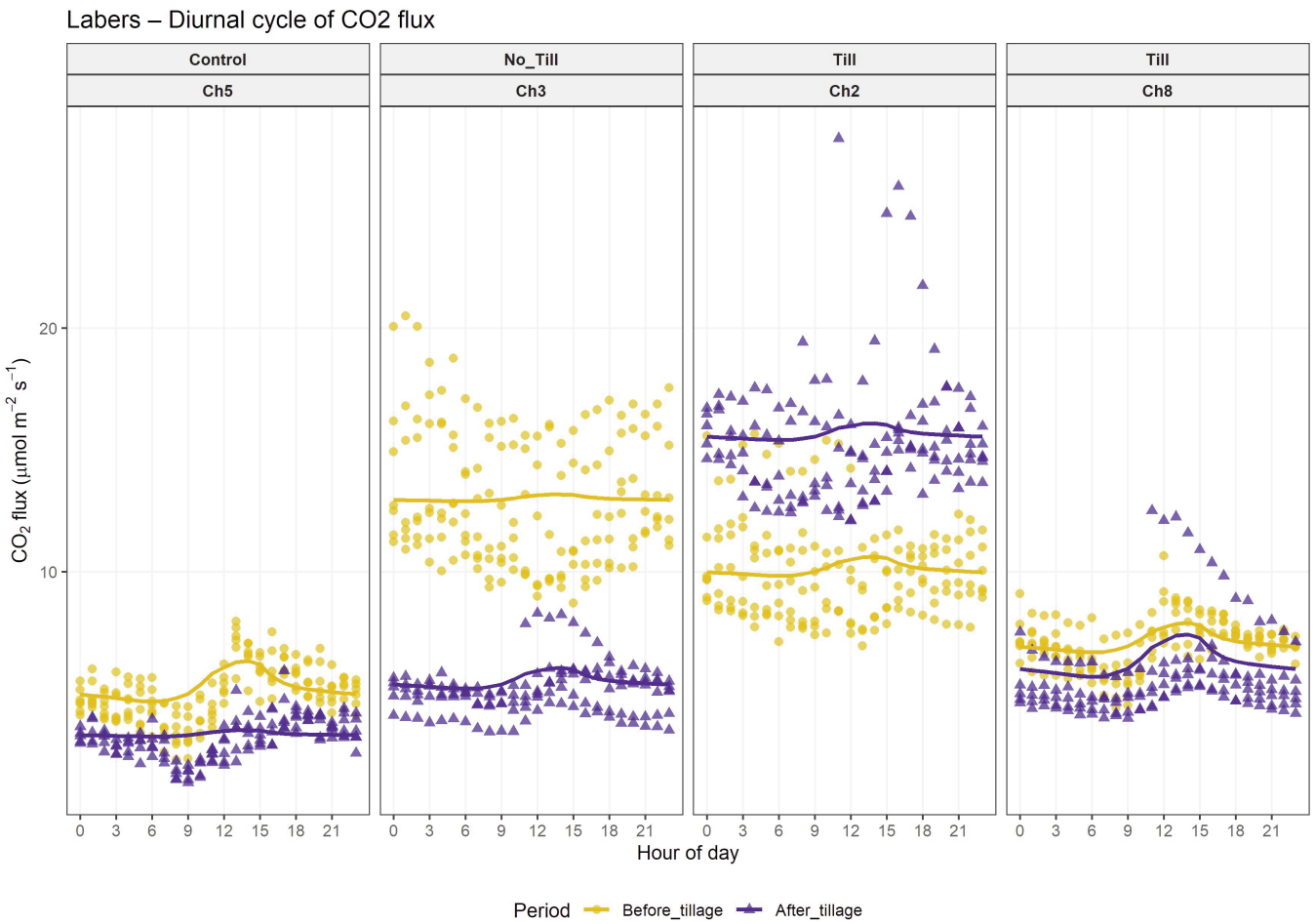
Short-term effects of sod- and tillage-seeded cover crops on vineyard carbon fluxes relative to spontaneous vegetation

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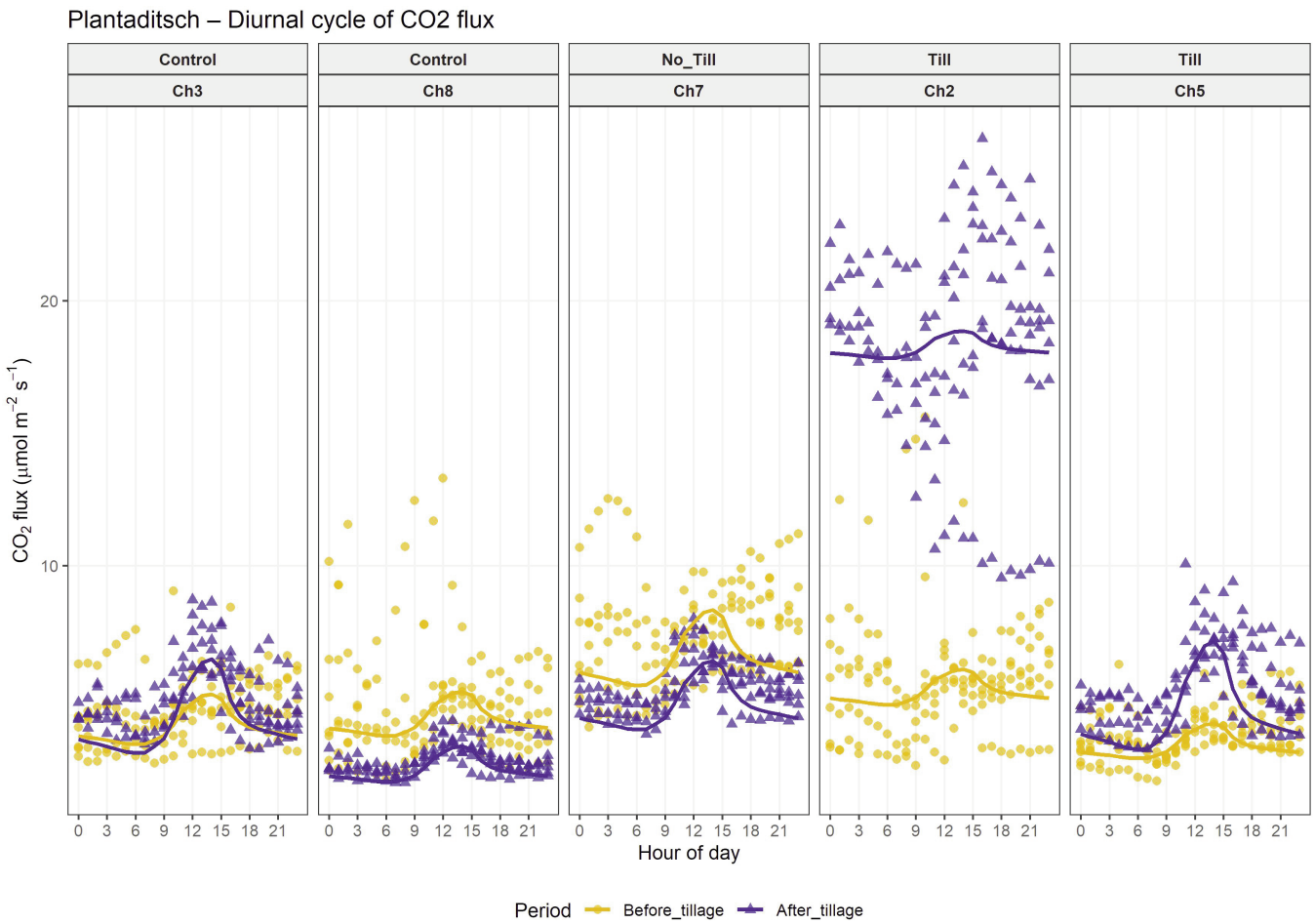
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Supplementary Table S1. Lloyd Taylor fit parameters (Eq. 1) and simulated C loss for each chamber before and after treatment.

Site	Treatment	Chamber	Period	n	Rref	E0	RMSE	Simulated C loss ($g\ m^{-2}\ day^{-1}$)
Labers	Control	Ch5	Before_tillage	154	5.21 ± 0.07	117 ± 10	0.82	5.45
		Ch5	After_tillage	133	3.33 ± 0.11	30 ± 16	0.8	3.46
	No_Till	Ch3	Before_tillage	154	12.99 ± 0.22	9 ± 12	2.67	13.48
		Ch3	After_tillage	133	5.49 ± 0.10	59 ± 10	0.85	5.72
	Till	Ch2	Before_tillage	154	10.10 ± 0.16	30 ± 14	1.92	10.50
		Ch2	After_tillage	133	15.64 ± 0.31	17 ± 12	2.5	16.25
		Ch8	Before_tillage	154	7.10 ± 0.06	64 ± 6	0.78	7.40
		Ch8	After_tillage	133	6.25 ± 0.15	102 ± 14	1.41	6.54
Plantaditsch	Control	Ch3	Before_tillage	143	3.83 ± 0.14	176 ± 29	1.09	4.04
		Ch3	After_tillage	124	3.87 ± 0.13	305 ± 28	0.96	4.20
		Ch8	Before_tillage	142	4.09 ± 0.27	148 ± 53	2.05	4.30
		Ch8	After_tillage	124	2.23 ± 0.07	211 ± 26	0.46	2.37
	No_Till	Ch7	Before_tillage	142	6.35 ± 0.22	162 ± 27	1.64	6.69
		Ch7	After_tillage	124	4.58 ± 0.10	199 ± 19	0.69	4.85
	Till	Ch2	Before_tillage	139	5.18 ± 0.32	95 ± 50	2.23	5.42
		Ch2	After_tillage	124	18.18 ± 0.57	22 ± 30	3.75	18.89
		Ch5	Before_tillage	142	3.13 ± 0.10	151 ± 26	0.78	3.29
		Ch5	After_tillage	124	4.13 ± 0.15	325 ± 29	1.05	4.51



Supplementary Figure S1. Daily fluctuation of CO_2 fluxes as measured at Labers via the automatic climatic chambers.



Supplementary Figure S2. Daily fluctuation of CO_2 fluxes as measured at Plantaditsch via the automatic climatic chambers.

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