

Table S1 Periods with available data per sensor for two weeks from 3 July, 2019, to 16 July, 2019. C indicates the control, and N indicates the N-fertilized. Gray bands represent available periods.

Day		3	4	5	6	7	8	9	10	11	12	13	14	15	16
C	#1	[Gray band]													
	#2														
	#3														
	#4														
	#5														
	#6														
	#7														
	#8														
	#9														
	#10														
	#11	[Gray band]													
	#12														
	#13														
	#14														
	#15														
	#16														
N	#1	[Gray band]													
	#2														
	#3														
	#4														
	#5														
	#6														
	#7														
	#8														
	#9														
	#10														
	#11														
	#12														
	#13														
	#14														
	#15														
	#16														

Table S2 Periods with available data per sensor for two weeks from 17 July, 2019, to 30 July, 2019. C indicates the control, and N indicates the N-fertilized. Gray bands mean available periods.

Day		17	18	19	20	21	22	23	24	25	26	27	28	29	30
C	#1	[Gray band]													[Gray band]
	#2	[Gray band]													[Gray band]
	#3	[Gray band]													[Gray band]
	#4	[Gray band]													[Gray band]
	#5	[Gray band]													[Gray band]
	#6	[Gray band]													[Gray band]
	#7	[Gray band]													[Gray band]
	#8	[Gray band]													[Gray band]
	#9	[Gray band]													[Gray band]
	#10	[Gray band]													[Gray band]
	#11	[Gray band]													[Gray band]
	#12	[Gray band]													[Gray band]
	#13	[Gray band]													[Gray band]
	#14	[Gray band]													[Gray band]
	#15	[Gray band]													[Gray band]
	#16	[Gray band]													[Gray band]
N	#1	[Gray band]													[Gray band]
	#2	[Gray band]													[Gray band]
	#3	[Gray band]													[Gray band]
	#4	[Gray band]													[Gray band]
	#5	[Gray band]													[Gray band]
	#6	[Gray band]													[Gray band]
	#7	[Gray band]													[Gray band]
	#8	[Gray band]													[Gray band]
	#9	[Gray band]													[Gray band]
	#10	[Gray band]													[Gray band]
	#11	[Gray band]													[Gray band]
	#12	[Gray band]													[Gray band]
	#13	[Gray band]													[Gray band]
	#14	[Gray band]													[Gray band]
	#15	[Gray band]													[Gray band]
	#16	[Gray band]													[Gray band]

Table S3 Periods with available data per sensor for two weeks from 31 July, 2019, to 13 August, 2019. C indicates the control, and N indicates the N-fertilized. Gray bands mean available periods.

Day		31	1	2	3	4	5	6	7	8	9	10	11	12	13	
C	#1	[Gray band]														
	#2	[Gray band]														
	#3	[Gray band]														
	#4	[Gray band]														
	#5	[Gray band]														
	#6	[Gray band]														
	#7	[Gray band]														
	#8	[Gray band]														
	#9	[Gray band]														
	#10	[Gray band]														
	#11	[Gray band]														
	#12	[Gray band]														
	#13	[Gray band]														
	#14	[Gray band]														
	#15	[Gray band]														
	#16	[Gray band]														
N	#1	[Gray band]														
	#2	[Gray band]														
	#3	[Gray band]														
	#4	[Gray band]														
	#5	[Gray band]														
	#6	[Gray band]														
	#7	[Gray band]														
	#8	[Gray band]														
	#9	[Gray band]														
	#10	[Gray band]														
	#11	[Gray band]														
	#12	[Gray band]														
	#13	[Gray band]														
	#14	[Gray band]														
	#15	[Gray band]														
	#16	[Gray band]														

Table S4 Periods with available data per sensor for two weeks from 14 August, 2019, to 27 August, 2019. C indicates the control, and N indicates the N-fertilized. Gray bands mean available periods.

Day		14	15	16	17	18	19	20	21	22	23	24	25	26	27
C	#1	[Gray band]													
	#2	[Gray band]													
	#3	[Gray band]													
	#4	[Gray band]													
	#5	[Gray band]													
	#6	[Gray band]													
	#7	[Gray band]													
	#8	[Gray band]													
	#9	[Gray band]													
	#10	[Gray band]													
	#11	[Gray band]													
	#12	[Gray band]													
	#13	[Gray band]													
	#14	[Gray band]													
	#15	[Gray band]													
	#16	[Gray band]													
N	#1	[Gray band]													
	#2	[Gray band]													
	#3	[Gray band]													
	#4	[Gray band]													
	#5	[Gray band]													
	#6	[Gray band]													
	#7	[Gray band]													
	#8	[Gray band]													
	#9	[Gray band]													
	#10	[Gray band]													
	#11	[Gray band]													
	#12	[Gray band]													
	#13	[Gray band]													
	#14	[Gray band]													
	#15	[Gray band]													
	#16	[Gray band]													

Table S5 Periods with available data per sensor for two weeks from 28 August, 2019, to 10 September, 2019.

C indicates the control, and N indicates the N-fertilized. Gray bands mean available periods.

Day		28	29	30	31	1	2	3	4	5	6	7	8	9	10
C	#1	[Gray band]													
	#2	[Gray band]													
	#3	[Gray band]													
	#4	[Gray band]													
	#5	[Gray band]													
	#6	[Gray band]													
	#7	[Gray band]													
	#8	[Gray band]													
	#9	[Gray band]													
	#10	[Gray band]													
	#11	[Gray band]													
	#12	[Gray band]													
	#13	[Gray band]													
	#14	[Gray band]													
	#15	[Gray band]													
	#16	[Gray band]													
N	#1	[Gray band]													
	#2	[Gray band]													
	#3	[Gray band]													
	#4	[Gray band]													
	#5	[Gray band]													
	#6	[Gray band]													
	#7	[Gray band]													
	#8	[Gray band]													
	#9	[Gray band]													
	#10	[Gray band]													
	#11	[Gray band]													
	#12	[Gray band]													
	#13	[Gray band]													
	#14	[Gray band]													
	#15	[Gray band]													
	#16	[Gray band]													

Table S6 Periods with available data per sensor for two weeks from 11 September, 2019, to 24 September, 2019. C indicates the control, and N indicates the N-fertilized. Gray bands mean available periods.

Day		11	12	13	14	15	16	17	18	19	20	21	22	23	24	
C	#1	[Gray band]														
	#2	[Gray band]														
	#3	[Gray band]														
	#4	[Gray band]														
	#5	[Gray band]														
	#6	[Gray band]														
	#7	[Gray band]														
	#8	[Gray band]														
	#9	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]	[White]
	#10	[Gray band]														
	#11	[Gray band]														
	#12	[Gray band]														
	#13	[Gray band]														
	#14	[Gray band]														
	#15	[Gray band]														
	#16	[Gray band]														
N	#1	[Gray band]														
	#2	[Gray band]														
	#3	[Gray band]														
	#4	[Gray band]														
	#5	[Gray band]														
	#6	[Gray]	[White]													
	#7	[Gray band]														
	#8	[Gray band]														
	#9	[Gray band]														
	#10	[Gray band]														
	#11	[Gray band]														
	#12	[Gray band]														
	#13	[Gray band]														
	#14	[Gray band]														
	#15	[Gray band]														
	#16	[Gray band]														

Table S7 Periods with available data per sensor for two weeks from 25 September, 2019, to 6 October, 2019.

C indicates the control, and N indicates the N-fertilized. Gray bands mean available periods.

Day		25	26	27	28	29	30	1	2	3	4	5	6	
C	#1	[Gray band]												
	#2	[Gray band]												
	#3	[Gray band]												
	#4	[Gray band]												
	#5	[Gray band]												
	#6	[Gray band]												
	#7	[Gray band]												
	#8	[Gray band]												
	#9	[White]	[Gray]	[Gray]	[Gray]	[Gray]	[White]	[Gray]	[Gray]	[Gray]	[Gray]	[Gray]	[Gray]	[Gray]
	#10	[White]	[Gray]	[Gray]	[Gray]	[Gray]	[White]	[Gray]	[Gray]	[Gray]	[Gray]	[Gray]	[Gray]	[Gray]
	#11	[Gray band]												
	#12	[Gray band]												
	#13	[Gray band]												
	#14	[Gray band]												
	#15	[Gray band]												
	#16	[Gray band]												
N	#1	[Gray band]												
	#2	[Gray band]												
	#3	[Gray band]												
	#4	[Gray band]												
	#5	[Gray band]												
	#6	[Gray band]												
	#7	[Gray band]												
	#8	[Gray band]												
	#9	[Gray band]												
	#10	[Gray band]						[Gray band]						
	#11	[Gray band]												
	#12	[Gray band]												
	#13	[Gray band]												
	#14	[Gray band]												
	#15	[Gray band]												
	#16	[Gray band]												