

Table S1. Meteorological data at experiment site in Glubczyce (N 50°12'0.339". E 17°49'45.552"), Opole Region, Poland

Week after the start of fungicide applications	Mean temperature [°C]	Mean of the highest temperatures [°C]	The highest temperature [°C]	Mean of the lowest temperatures [°C]	The lowest temperature [°C]	Sum of rainfall [mm]
2009						
1	12.01	17.99	25.00	7.33	3.10	7.00
2	6.66	9.90	15.20	3.46	0.90	47.00
3	3.34	6.21	9.90	0.95	-0.80	20.90
4	7.24	10.66	13.40	4.63	2.90	15.90
5	1.16	4.63	7.20	-2.03	-5.60	1.10
6	3.98	7.15	10.20	1.14	-0.80	40.30
7	8.28	13.87	14.70	4.73	1.40	1.40
8	7.39	12.84	16.20	3.49	7.5	1.50
2010						
1	10.09	14.11	23.20	6.90	0.90	56.70
2	8.88	14.87	17.20	4.33	-0.60	0.00
3	4.06	9.93	13.40	-0.44	-2.30	0.00
4	4.75	8.55	11.20	1.39	-0.60	1.80
5	4.80	10.14	14.30	1.09	-1.90	0.80
6	10.30	16.03	17.70	5.25	-2.30	0.00
7	8.90	11.89	18.20	6.41	4.70	30.90
8	8.63	11.93	16.90	5.93	2.20	13.50
2011						
1	14.39	24.08	26.20	8.20	5.30	1.60
2	10.57	15.06	20.70	6.97	1.80	27.10
3	6.14	6.77	12.80	2.41	-3.10	5.40
4	4.38	8.77	9.90	0.52	-2.50	6.00
5	7.95	13.55	15.20	4.29	2.20	0.00
6	7.22	15.45	17.70	0.77	-1.80	0.00
7	1.04	6.41	15.80	-2.58	-5.90	0.00
8	0.37	4.07	8.10	-3.63	-7.00	0.00
2012						
1	11.31	18.20	23.00	8.05	1.70	7.80
2	14.59	20.70	23.90	9.48	5.70	2.70
3	11.59	18.21	22.90	7.51	4.50	27.60
4	7.94	14.31	18.10	3.23	-1.90	10.30
5	9.48	15.33	21.90	6.06	3.30	16.20
6	2.27	5.17	11.10	0.07	-6.00	32.10
7	6.53	10.24	13.40	3.54	1.60	31.50
8	6.78	11.23	15.50	3.26	-1.40	0.80

Table S2. Meteorological data at experiment site in Toszek (N 50°27'18.383". E 18°31'5.017), Opole Region, Poland

Week after the start of fungicide applications	Mean temperature [°C]	Mean of the highest temperatures [°C]	The highest temperature [°C]	Mean of the lowest temperatures [°C]	The lowest temperature [°C]	Sum of rainfall [mm]
2009						
1	10.14	14.77	17.50	6.64	4.70	13.30
2	8.62	12.40	22.90	6.51	0.30	52.80
3	4.21	7.33	10.70	2.30	0.30	20.80
4	6.46	9.72	13.20	4.49	0.20	12.60
5	1.60	6.48	9.70	-1.17	-3.80	14.60
6	5.23	7.13	9.10	3.83	0.20	36.30
7	7.70	12.35	14.20	4.98	2.20	1.10
8	7.94	12.31	13.90	5.26	0.50	3.60
2010						
1	11.89	16.35	23.70	9.20	4.50	54.80
2	8.49	13.86	16.70	4.87	2.30	7.30
3	4.53	10.14	14.20	0.54	-1.40	0.00
4	5.37	8.40	10.10	3.30	0.30	2.50
5	4.77	9.54	12.20	1.49	-2.50	0.80
6	9.71	15.78	18.20	5.41	-0.30	1.70
7	8.16	11.73	14.70	6.30	3.30	31.70
8	9.26	12.56	16.70	7.21	5.40	12.60
2011						
1	14.35	21.83	23.70	6.87	3.30	2.20
2	17.12	22.78	24.70	11.45	8.00	7.00
3	9.13	13.03	17.70	5.24	1.20	18.40
4	6.42	10.67	12.20	2.17	-1.50	2.70
5	7.46	11.06	15.70	3.86	-1.60	1.90
6	8.94	14.41	15.90	3.46	-0.30	0.00
7	8.14	13.96	16.90	2.33	-1.30	0.00
8	0.94	4.86	8.80	-2.47	-4.50	0.00
2012						
1	13.98	19.09	24.00	8.86	1.00	0.50
2	15.72	20.70	21.70	10.73	6.00	5.90
3	12.41	17.84	22.30	6.97	1.40	24.60
4	9.70	13.96	17.60	5.44	-1.00	3.50
5	11.65	16.38	20.00	6.92	4.80	27.80
6	2.53	4.35	9.80	0.72	-2.20	24.70
7	7.12	9.98	12.10	4.25	2.50	32.57
8	6.11	9.46	15.20	2.76	-1.80	2.90

Table S3. Spearman's rank correlation coefficients between the incidence and severity of phoma leaf spotting (autumn) and stem canker (summer) symptoms and seed yield of winter oilseed rape for the data obtained at Glubczyce and Toszek experimental sites, Opole Region, Poland

Parameters	Glubczyce			Toszek		
	Severity		Seed yield	Severity		Seed yield
	All plants ⁴	Infected plants ⁵		All plants ⁴	Infected plants ⁵	
Autumn 2009						
Phoma leaf spot incidence ¹	0.48	0.41	-0.40	0.56	0.69	-0.69
Phoma leaf spot severity ²			-0.89			-0.93
Autumn 2010						
Phoma leaf spot incidence	0.71	0.64	-0.21	0.61	0.58	-0.46
Phoma leaf spot severity			-0.88			-0.90
Autumn 2011						
Phoma leaf spot incidence	0.77	0.53	-0.75	0.71	0.70	-0.20
Phoma leaf spot severity			-0.81			-0.75
Autumn 2012						
Phoma leaf spot incidence	0.67	0.69	-0.67	0.71	0.86	-0.81
Phoma leaf spot severity			-0.91			-0.92
Summer 2010						
Stem canker incidence	0.71	0.69	-0.58	0.73	0.71	-0.44
Stem canker severity			-0.78			-0.88
Summer 2011						
Stem canker incidence	0.61	0.54	-0.09	0.78	0.53	-0.66
Stem canker severity			-0.79			-0.92
Summer 2012						
Stem canker incidence	0.72	0.56	-0.52	0.52	0.61	-0.18
Stem canker severity			-0.89			-0.89
Summer 2013						
Stem canker incidence	0.79	0.64	-0.64	0.97	0.69	-0.86
Stem canker severity			-0.72			-0.91

¹ Disease incidence: the percent of plants with disease symptoms (phoma leaf spot in the autumn, stem canker in the summer of the following year)

² Disease severity: the intensity of disease symptoms (phoma leaf spot in the autumn, stem canker in the summer of the following year)

³ All plants: disease severity calculated for all observed plants per plot (n=30)

⁴ Infected plants: disease severity calculated only for infected plants