Table S1. Relative content of phospholipid species isolated from wheat (*Triticum aestivum* L.) roots exposed to different polymer treatments, with and without the herbicide 2,4-D, and with or without *Trichoderma*. The data are expressed as the percentage contribution of each lipid species to the total pool of isolated lipids.

	Root											
	without 2,4-D						with 2,4-D					
	C	C+T	LDPE	LDPE+T	PBAT	PBAT+T	C	C+T	LDPE	LDPE+T	PBAT	PBAT+T
LPE 16;0	3.01	3.82	3.64	3.27	5.69	5.52	1.99	1.40	2.75	2.90	3.15	2.73
LPE 18;2	11.53	8.94	8.49	7.34	6.93	8.74	7.75	2.50	4.79	6.83	9.78	6.34
LPE 18;1	1.38	1.21	1.07	0.87	2.42	2.01	0.94	0.57	0.96	1.81	1.62	1.33
LPC 16;0	4.34	4.74	4.25	4.76	6.70	6.39	3.34	2.55	4.64	4.39	4.14	5.06
LPC 18;3	0.63	0.64	0.68	0.73	0.60	0.79	0.82	1.75	0.62	0.72	0.71	0.61
LPC 18;2	4.76	4.11	4.30	4.35	4.17	4.79	6.44	2.79	4.79	5.18	5.56	5.52
LPC 18;1	0.60	0.53	0.42	0.60	1.53	1.31	0.78	1.47	1.21	1.36	0.95	1.19
PE 16;0 16;1	4.16	4.06	3.27	3.83	4.22	4.44	2.03	0.04	1.70	4.17	4.16	4.22
PE 16;1 16;2	3.56	3.43	3.19	2.91	5.49	6.94	1.68	0.04	1.50	3.15	2.88	3.15
PE 16;1 18;2	0.33	0.36	0.40	0.36	0.20	0.28	0.32	0.13	0.32	0.51	0.42	0.50
PE 16;0 18;3	0.45	0.69	0.61	0.79	0.45	0.59	0.45	1.70	0.52	0.71	0.56	0.58
PE 18;1 16;1	1.57	1.56	1.44	1.16	1.95	2.54	0.52	0.06	0.57	1.18	1.05	1.15
PE 16;0 18;1	0.35	0.04	0.28	0.04	0.82	0.48	0.34	0.24	0.54	0.17	0.38	0.32
PE 18;3 18;3	0.27	0.52	0.41	0.60	0.19	0.25	0.20	1.74	0.27	0.34	0.26	0.30
PE 18;3 18;2	1.93	2.88	2.19	2.62	1.56	1.60	1.54	2.80	1.92	2.05	2.13	2.21
PE 18;2 18;2	14.07	15.67	13.23	14.09	9.51	10.25	11.05	6.13	11.13	13.42	14.92	14.38
PE 18;1 18;1	1.65	0.37	1.33	0.26	2.87	1.68	1.27	0.98	0.86	0.95	1.21	1.03
PG 16;0 16:1	1.97	1.70	1.64	1.73	3.57	3.32	0.80	0.52	0.87	1.26	1.24	2.15
PG 18;1 16;1	0.51	0.49	0.58	0.51	1.11	0.95	0.32	0.10	0.52	0.64	0.50	0.63
PG 16;0 18;2	3.79	5.49	5.29	5.91	7.88	5.80	4.27	7.14	7.87	6.40	4.84	7.24
PG 18;1 18;1	0.66	0.47	0.54	0.53	1.28	0.97	0.62	0.23	0.77	0.98	0.76	1.24
PC 16;0 18;3	1.41	1.66	1.96	2.41	0.99	1.26	1.81	7.82	1.70	1.49	1.44	0.01

PC 16;0 18;1	1.04	0.04	0.75	0.04	3.01	0.97	0.63	0.29	2.88	0.04	1.25	0.04
PC 18;3 18;3	1.40	1.88	1.86	1.90	1.51	1.43	1.57	27.31	2.57	2.21	1.79	1.81
PC 18;3 18;2	4.07	5.36	5.92	6.63	3.72	3.86	7.37	12.26	7.09	5.16	4.75	5.42
PC 18;3 18;1	0.36	0.34	0.35	0.34	0.08	0.26	0.33	3.47	0.41	0.36	0.28	0.16
PC 18;2 18;2	23.05	25.05	26.30	26.97	11.37	13.80	33.39	8.24	28.77	25.46	21.69	23.99
PC 18;2 18;1	1.38	1.56	1.60	1.66	0.61	0.96	2.04	0.44	1.66	1.55	1.27	1.51
PC 18;1 18;1	3.05	0.28	1.96	0.21	4.59	4.06	3.36	3.10	1.59	0.97	3.84	1.35
PI 16;0 18;2	2.54	1.96	1.84	2.32	4.57	3.43	1.88	1.74	3.87	3.29	2.25	3.48
PI 16;0 18;1	0.21	0.17	0.19	0.23	0.39	0.34	0.15	0.46	0.33	0.38	0.22	0.33

Table S2. Relative content of phospholipid species isolated from wheat (*Triticum aestivum* L.) shoots exposed to different polymer treatments, with and without the herbicide 2,4-D, and with or without *Trichoderma*. The data are expressed as the percentage contribution of each lipid species to the total pool of isolated lipids.

	Shoot											
	without 2,4-D						with 2,4-D					
	C	C+T	LDPE	LDPE+T	PBAT	PBAT+T	C	C+T	LDPE	LDPE+T	PBAT	PBAT+T
LPE 16;0	2.67	2.56	3.78	3.32	4.66	2.64	1.70	1.88	0.99	1.70	1.73	2.78
LPE 18;2	5.13	5.05	6.48	4.40	6.09	4.16	3.25	7.66	1.82	3.30	3.21	5.28
LPE 18;1	1.18	0.94	0.96	0.77	1.26	0.90	0.54	0.85	0.47	0.71	0.67	0.75
LPC 16;0	4.50	4.70	8.63	5.83	7.43	4.55	3.92	3.21	2.45	3.54	3.51	5.88
LPC 18;3	2.19	3.08	4.06	4.39	3.83	3.03	3.04	0.66	1.97	2.34	2.34	4.32
LPC 18;2	3.62	4.70	6.22	3.80	5.65	3.61	2.83	4.52	1.97	3.03	3.44	5.39
LPC 18;1	2.43	2.35	2.76	1.65	3.09	1.89	1.09	0.57	1.18	1.41	1.79	2.39
PE 16;0 16;1	0.02	0.01	0.03	0.03	0.00	0.01	0.04	2.71	0.01	0.02	0.00	0.04
PE 16;1 16;2	0.18	0.09	0.05	0.07	0.05	0.12	0.18	1.90	0.07	0.11	0.07	0.08
PE 16;1 18;2	0.35	0.17	0.03	0.07	0.20	0.24	0.15	0.41	0.16	0.11	0.17	0.14
PE 16;0 18;3	2.46	1.89	1.05	1.88	2.26	2.18	1.72	0.63	1.90	1.87	1.91	1.74
PE 18;1 16;1	0.09	0.11	0.08	0.03	0.05	0.07	0.08	0.71	0.08	0.12	0.08	0.08
PE 16;0 18;1	0.47	0.08	0.14	0.22	0.18	0.38	0.25	0.15	0.42	0.11	0.37	0.42
PE 18;3 18;3	2.14	2.16	1.68	2.83	1.66	3.72	3.02	0.37	2.60	2.37	2.10	2.47
PE 18;3 18;2	3.49	2.97	2.60	3.21	2.87	3.61	2.75	2.68	2.93	3.12	2.56	2.67
PE 18;2 18;2	8.70	6.38	4.86	5.91	6.07	7.18	4.76	14.48	4.37	5.66	5.08	4.41
PE 18;1 18;1	0.78	0.53	0.69	0.36	0.36	0.39	0.86	0.58	0.60	0.61	1.17	0.90
PG 16;0 16:1	0.28	0.65	0.93	0.59	0.60	0.34	0.56	1.04	0.59	0.46	0.32	0.47
PG 18;1 16;1	0.11	0.19	0.21	0.30	0.28	0.10	0.04	0.28	0.13	0.07	0.06	0.10
PG 16;0 18;2	6.97	6.18	7.34	4.93	5.95	5.93	4.89	5.49	5.91	6.18	7.03	7.37
PG 18;1 18;1	0.29	0.17	0.03	0.05	0.10	0.13	0.12	0.43	0.14	0.28	0.23	0.21
PC 16;0 18;3	5.92	6.98	0.03	5.45	5.33	5.98	9.38	2.06	9.60	8.26	8.60	7.82
PC 16;0 18;1	2.18	0.03	0.10	0.51	0.04	1.36	0.83	0.03	1.91	0.08	2.50	2.85

PC 18;3 18;3	20.59	25.05	24.34	27.56	20.27	25.00	30.25	1.97	33.91	29.15	24.58	21.50
PC 18;3 18;2	7.88	10.21	10.51	10.82	9.36	9.40	10.13	6.67	11.32	10.94	11.43	8.25
PC 18;3 18;1	1.92	2.53	2.55	3.24	2.15	3.08	2.91	0.54	3.33	2.94	3.36	1.98
PC 18;2 18;2	7.88	6.44	6.60	4.94	6.14	6.52	6.60	33.21	5.68	8.12	6.85	5.00
PC 18;2 18;1	0.38	0.40	0.31	0.31	0.24	0.41	0.31	1.90	0.33	0.51	0.52	0.20
PC 18;1 18;1	1.19	0.52	0.28	0.39	0.59	0.68	2.36	0.53	1.77	0.72	1.97	1.65
PI 16;0 18;2	3.36	2.40	2.24	1.77	2.70	2.02	1.16	1.73	1.15	1.82	1.89	2.46
PI 16;0 18;1	0.63	0.45	0.42	0.36	0.57	0.36	0.26	0.15	0.25	0.36	0.47	0.39