

SUPPLEMENTARY MATERIALS

Table S1. Pairwise comparison results for GLMM testing the effect of intercropping modality on the abundance of alternative hosts in the inter-row on September 26 (emmeans function). *Significant differences ($p.value < 0.05$) are bolded.*

Comparison	Odds.ratio	SE	Df	Lower CL	Upper CL	t.ratio	p.value
Oats / Mixed	4.34	2.00	55	1.72	10.93	3.18	2.39E-03
Oats / Vetch	2.80	1.42	55	1.02	7.72	2.04	0.046
Mixed / Vetch	0.65	0.37	55	0.20	2.06	-0.76	0.453

Table S2. Pairwise comparison results for GLMM testing the effect of intercropping modality on the abundance of honeydew providers in the inter-row on September 26, October 29 and November 13 (emmeans function). *Significant differences ($p.value < 0.05$) are bolded.*

Date	Comparison	Odds.ratio	SE	Df	Lower CL	Upper CL	t.ratio	p.value
09/26	Oats / Mixed	4.57	1.40	55	2.47	8.46	4.96	7.17E-06
	Oats / Vetch	3.42	1.21	55	1.68	6.96	3.46	0.001
	Mixed / Vetch	0.75	0.30	55	0.33	1.68	-0.72	0.473
10/29	Oats / Mixed	1.38	0.33	55	0.85	2.24	1.34	0.187
	Oats / Vetch	0.52	0.12	55	0.33	0.81	-2.90	0.005
	Mixed / Vetch	0.37	0.08	55	0.25	0.56	-4.84	1.1E-05
11/13	Oats / Mixed	2.97	0.87	55	1.65	5.33	3.72	4.72E-04
	Oats / Vetch	1.35	0.38	55	0.76	2.39	1.06	0.295
	Mixed / Vetch	0.46	0.14	55	0.24	0.85	-2.52	0.015

Table S3. Results summary of generalized linear mixed modelling of the effects of distance, intercrop modalities and their interaction on aphid and parasitism incidences and parasitism rate, in plum trees. Random effects considered were the orientation including the replicate. *Significant differences (p -value < 0.05) are bolded.*

Date	Explained variable	Fixed effect	Anova test following GLMMs		
			Chisq	Df	p-value
10/10 ¹	Aphid incidence	Modality	1.0903	2	0.580
		Distance	0.2619	1	0.609
		Interaction	4.7625	2	0.092
	Parasitism incidence	Modality	1.3202	2	0.517
		Distance	1.0539	1	0.305
		Interaction	0.9360	2	0.626
10/29	Aphid incidence	Modality	1.6996	2	0.428
		Distance	2.4862	1	0.115
		Interaction	2.4512	2	0.294
	Parasitism incidence	Modality	0.4592	2	0.795
		Distance	0.0926	1	0.761
		Interaction	0.5010	2	0.778
	Parasitism rate	Modality	6.6492	2	0.036
		Distance	0.4070	1	0.524
		Interaction	2.3967	2	0.302
11/13	Aphid incidence	Modality	7.5128	2	0.023
		Distance	1.9049	1	0.168
		Interaction	10.5770	2	0.005
	Parasitism incidence	Modality	0.7350	2	0.693
		Distance	0.0003	1	0.986
		Interaction	1.4195	2	0.492
	Parasitism rate	Modality	0.4076	2	0.816
		Distance	0.8736	1	0.350
		Interaction	2.9421	2	0.230
11/27	Parasitism incidence	Modality	0.6333	2	0.729
		Distance	0.1852	1	0.667
		Interaction	1.3513	2	0.509
	Parasitism rate	Modality	6.7004	2	0.035
		Distance	0.7679	1	0.381
		Interaction	4.2237	2	0.121
12/04	Aphid incidence	Modality	2.8223	2	0.244
		Distance	0.7769	1	0.378
		Interaction	2.2769	2	0.320

¹ Data on parasitism rate on October 10 were not analysed.

Table S4. Pairwise comparison results for GLMMs testing the effect of intercropping modality and distance interaction on aphid incidence in plum trees on November 13 (type 3 Anova summary). *Significant differences (p -value < 0.05) are bolded.*

Comparison	Fixed effect	Chisq	Df	p.value
Oats / Mixed	Modality	5.3950	1	0.020
	Distance	1.9582	1	0.162
	Interaction	6.0231	1	0.014
Oats / Vetch	Modality	8.0625	1	0.005
	Distance	2.5762	1	0.108
	Interaction	12.3745	1	4.35E-04
Mixed / Vetch	Modality	0.1132	1	0.737
	Distance	3.1695	1	0.075
	Interaction	0.6219	1	0.430

Table S5. Pairwise comparison results for GLMM testing the effect of intercropping modality on parasitism rate in plum aphids on October 29 and November 27 (emmeans function). *Significant differences (p -value < 0.05) are bolded.*

Date	Comparison	Odds.ratio	SE	Df	Lower CL	Upper CL	t.ratio	p.value
10/29	Oats / Mixed	0,61	0,14	63	0,39	0,97	-2,15	0,036
	Oats / Vetch	0,63	0,13	63	0,41	0,96	-2,20	0,031
	Mixed / Vetch	1,03	0,22	63	0,67	1,57	0,13	0,901
11/27	Oats / Mixed	1,97	0,75	56	0,92	4,21	1,79	0,079
	Oats / Vetch	0,79	0,22	56	0,45	1,38	-0,84	0,403
	Mixed / Vetch	0,40	0,14	56	0,20	0,80	-2,67	0,010