

Table S1. Anova results for year (Y), row spacing (RS) and thinning (T) on mean numbers of aphids, Syrphidae eggs and larvae, Coccinellidae egg clutches, larvae and adults in broad bean.

	df	Aphids		Syrphidae				Coccinellidae					
		F	p	eggs		larvae		egg clutches		larvae		adults	
				F	p	F	p	F	p	F	p	F	p
Y	2	70.386	0.000	28.590	0.000	41.353	0.000	17.422	0.000	53.412	0.000	24.010	0.000
RS	1	0.079	0.780	0.061	0.806	1.375	0.249	0.827	0.369	0.049	0.826	1.665	0.205
T	1	0.231	0.633	0.240	0.627	1.409	0.243	0.744	0.394	6.642	0.014	13.462	0.001
Y*RS	2	0.685	0.511	2.147	0.132	1.290	0.288	0.606	0.551	0.096	0.908	0.825	0.447
Y*T	2	0.149	0.862	0.129	0.880	1.293	0.287	0.418	0.662	4.773	0.014	1.181	0.318
RS*T	1	0.111	0.741	0.043	0.837	0.000	0.996	1.641	0.208	0.340	0.563	0.074	0.787
Y*RS*T	2	0.100	0.905	1.707	0.196	0.028	0.973	1.379	0.265	1.442	0.250	0.390	0.680
Error	36												

Table S2. Anova results for spacing (RS) and thinning (T) on mean numbers of aphids, Syrphidae eggs and larvae, Coccinellidae egg clutches, larvae and adults in broad bean in each year of study.

2015													
Aphids				Syrphidae				Coccinellidae					
	df	F	p	eggs		larvae		egg clutches		larvae		adults	
				F	p	F	p	F	p	F	p	F	p
RS	1	0.393	0.543	4.911	0.047	0.190	0.671	0.750	0.403	0.080	0.783	0.024	0.880
T	1	0.178	0.680	1.459	0.250	0.179	0.679	0.078	0.785	5.378	0.039	4.088	0.066
RS*T	1	0.001	0.974	6.559	0.025	0.000	0.986	1.625	0.227	0.939	0.352	0.026	0.874
Error	12												
2016													
RS	1	2.163	0.167	0.399	0.539	2.718	0.125	0.002	0.964	0.088	0.772	3.808	0.075
T	1	0.136	0.719	0.006	0.938	1.789	0.206	4.584	0.053	7.458	0.018	15.372	0.002
RS*T	1	2.001	0.183	0.697	0.420	0.029	0.867	0.000	0.996	14.976	0.002	1.090	0.317
Error	12												
2017													
RS	1	0.050	0.827	16.968	0.001	9.284	0.010	2.000	0.183	2.304	0.155	20.274	0.001
T	1	1.004	0.336	1.527	0.240	13.910	0.003	2.000	0.183	0.002	0.962	11.269	0.006
RS*T	1	1.853	0.198	2.855	0.117	0.200	0.662	2.000	0.183	0.000	0.996	4.536	0.055
Error	12												

Table S3. Anova results for year (Y), row spacing (RS) and thinning (T) on the number of aphids per one predator (larva of Syrphidae or Coccinellidae, adult of Coccinellidae) in broad bean.

	df	Syrphidae		Coccinellidae		Coccinellidae	
		larva		larva		adult	
		F	p	F	p	F	p
Y	2	35.000	0.000	24.577	0.000	20.866	0.000
RS	1	5.411	0.026	0.406	0.528	3.180	0.083
T	1	5.660	0.023	6.024	0.019	11.954	0.001
Y*RS	2	3.719	0.034	22.245	0.000	5.368	0.009
Y*T	2	10.019	0.000	18.985	0.000	5.994	0.006
RS*T	1	5.088	0.030	0.324	0.572	1.950	0.171
Y*RS*T	2	7.159	0.002	20.765	0.000	1.970	0.154
Error	36						

Table S4. Anova results for spacing (RS) and thinning (T) on the number of aphids per one predator (larva of Syrphidae or Coccinellidae, adult of Coccinellidae) in broad bean in each year of study.

		Syrphidae		Coccinellidae		Coccinellidae	
		larva		larva		adult	
	df	F	p	F	p	F	p
2015							
RS	1	0.215	0.652	0.005	0.947	0.740	0.406
T	1	1.817	0.203	4.559	0.054	1.411	0.258
RS*T	1	0.144	0.711	1.650	0.223	0.000	0.998
Error	12						
2016							
RS	1	5.551	0.036	8.486	0.013	5.758	0.034
T	1	10.631	0.007	14.712	0.002	9.858	0.009
RS*T	1	8.432	0.013	10.652	0.007	2.530	0.138
Error	12						
2017							
RS	1	1.095	0.316	359.043	0.000	2.488	0.141
T	1	19.638	0.001	133.510	0.000	7.848	0.016
RS*T	1	4.995	0.045	244.789	0.000	0.016	0.901
Error	12						

Table S5. Anova results for year (Y), row spacing (RS) and thinning (T) on the growth parameters and yield of broad bean.

		Mass of leaves		Mass of shoots		Mass of pods with seeds		Yield	
	df	F	p	F	p	F	p	F	p
Y	2	73.863	0.000	20.192	0.000	97.273	0.000	108.714	0.000
RS	1	49.533	0.000	10.103	0.003	3.790	0.059	24.690	0.000
T	1	36.310	0.000	0.615	0.438	23.646	0.000	8.699	0.006
Y*RS	2	0.055	0.946	0.566	0.573	7.342	0.002	3.423	0.044
Y*T	2	1.339	0.275	0.697	0.505	6.407	0.004	2.514	0.095
RS*T	1	0.161	0.690	2.792	0.103	0.259	0.614	0.113	0.738
Y*RS*T	2	3.401	0.044	0.185	0.832	1.638	0.209	0.793	0.460
Error	36								

Table S6. Anova results for spacing (RS) and thinning (T) on the growth parameters and yield of broad bean in each year of study.

		Mass of leaves		Mass of shoots		Mass of pods with seeds		Yield	
	df	F	p	F	p	F	p	F	p
2015									
RS	1	18.055	0.001	7.299	0.019	1.549	0.237	13.660	0.003
T	1	10.091	0.008	0.043	0.839	0.022	0.884	0.012	0.916
RS*T	1	1.541	0.238	0.408	0.535	0.211	0.654	0.021	0.887
Error	12								
2016									
RS	1	15.369	0.002	0.671	0.429	23.163	0.000	6.961	0.022
T	1	6.685	0.024	1.184	0.298	15.789	0.002	2.710	0.126
RS*T	1	1.946	0.188	1.276	0.281	3.333	0.093	1.168	0.301

Error	12								
				2017					
RS	1	16.174	0.002	7.472	0.018	7.095	0.021	4.458	0.056
T	1	21.297	0.001	0.100	0.757	75.531	0.000	37.984	0.000
RS*T	1	3.384	0.091	1.478	0.247	3.471	0.087	1.667	0.221
Error	12								