

**Table S4. The quality indicators of bread crumb.**

<b>Cultivar</b>	<b>Farming system</b>	<b>Year</b>	<b>DP [score]</b>	<b>CD [g (cm<sup>3</sup>)<sup>-1</sup>]</b>	<b>RS [-]</b>	<b>SP [-]</b>	<b>HD [N]</b>
Harenda	ORG	2019	57	0.25	0.34	0.93	4.95
Harenda	ORG	2020	67	0.33	0.41	0.96	9.40
Harenda	ORG	2021	43	0.27	0.28	0.92	5.80
Harenda	INT	2019	53	0.27	0.30	0.93	7.30
Harenda	INT	2020	77	0.34	0.83	0.36	10.54
Harenda	INT	2021	50	0.29	0.28	0.92	7.11
Harenda	CONV	2019	67	0.30	0.30	0.93	7.84
Harenda	CONV	2020	73	0.34	0.78	0.34	10.45
Harenda	CONV	2021	53	0.28	0.29	0.94	7.43
Kandela	ORG	2019	57	0.29	0.24	0.86	5.50
Kandela	ORG	2020	70	0.29	0.41	0.93	8.38
Kandela	ORG	2021	53	0.30	0.25	0.90	8.89
Kandela	INT	2019	57	0.26	0.33	0.93	6.33
Kandela	INT	2020	67	0.32	0.38	0.95	6.71
Kandela	INT	2021	50	0.30	0.31	0.95	6.96
Kandela	CONV	2019	63	0.26	0.34	0.94	7.06
Kandela	CONV	2020	60	0.29	0.36	0.95	8.75
Kandela	CONV	2021	47	0.26	0.32	0.91	8.50
Mandaryna	ORG	2019	47	0.24	0.29	0.92	8.05
Mandaryna	ORG	2020	67	0.33	0.38	0.96	7.90
Mandaryna	ORG	2021	43	0.27	0.29	0.94	7.29
Mandaryna	INT	2019	43	0.24	0.36	0.95	5.48
Mandaryna	INT	2020	63	0.31	0.40	0.97	9.09
Mandaryna	INT	2021	57	0.30	0.28	0.94	7.92
Mandaryna	CONV	2019	63	0.23	0.37	0.93	5.66
Mandaryna	CONV	2020	57	0.30	0.40	0.96	9.19
Mandaryna	CONV	2021	67	0.29	0.33	0.95	8.36
Serenada	ORG	2019	80	0.28	0.36	0.29	8.21
Serenada	ORG	2020	60	0.30	0.34	0.93	6.70
Serenada	ORG	2021	83	0.27	0.33	0.93	6.25
Serenada	INT	2019	77	0.25	0.48	0.41	5.96
Serenada	INT	2020	63	0.30	0.41	0.96	7.54
Serenada	INT	2021	57	0.28	0.30	0.90	8.38
Serenada	CONV	2019	87	0.30	0.34	0.92	9.77
Serenada	CONV	2020	63	0.32	0.41	0.95	10.15
Serenada	CONV	2021	67	0.27	0.33	0.94	8.11

Abbreviations: DP – Dallman porosity, CD – crumb density; RS –resilience; SP – springiness; HD – hardness; ORG – organic; INT – integrated, CONV – conventional.