

Table S1. Quality parameters of flour.

Cultivar	Farming system	Year	AC [% d.m.]	PC [% d.m.]	WG [%]	GI [–]	FN [s]
Harenda	ORG	2019	0.63	11.1	22.8	100	209
Harenda	ORG	2020	0.71	12.4	28.9	99	455
Harenda	ORG	2021	0.65	12.5	26.7	99	242
Harenda	INT	2019	0.58	13.7	29.1	99	246
Harenda	INT	2020	0.67	11.1	26.4	96	462
Harenda	INT	2021	0.67	13.5	28.8	98	284
Harenda	CONV	2019	0.62	14.2	29.5	100	266
Harenda	CONV	2020	0.70	13.4	30.2	99	479
Harenda	CONV	2021	0.70	14.9	38.4	98	288
Kandela	ORG	2019	0.64	10.2	21.4	100	243
Kandela	ORG	2020	0.76	12.5	30.81	95	442
Kandela	ORG	2021	0.67	12.4	28.75	95	219
Kandela	INT	2019	0.63	12.9	26.72	100	247
Kandela	INT	2020	0.72	12.0	27.85	96	479
Kandela	INT	2021	0.79	13.1	29.39	98	248
Kandela	CONV	2019	0.64	14.7	31.73	100	266
Kandela	CONV	2020	0.76	13.4	32.57	94	497
Kandela	CONV	2021	0.66	14.9	36.58	96	317
Mandaryna	ORG	2019	0.61	10.5	24.3	98	185
Mandaryna	ORG	2020	0.73	12.4	32.7	91	516
Mandaryna	ORG	2021	0.71	11.6	29.5	95	341
Mandaryna	INT	2019	0.66	16.1	37.9	98	298
Mandaryna	INT	2020	0.69	11.5	26.8	97	491
Mandaryna	INT	2021	0.68	12.6	29.8	98	319
Mandaryna	CONV	2019	0.67	13.5	30.6	100	343
Mandaryna	CONV	2020	0.76	13.7	33.5	95	570
Mandaryna	CONV	2021	0.73	15.0	29.4	98	448
Serenada	ORG	2019	0.70	11.9	26.9	100	379
Serenada	ORG	2020	0.68	14.3	38.1	94	599
Serenada	ORG	2021	0.80	13.2	31.9	98	355
Serenada	INT	2019	0.68	13.2	31.5	100	400
Serenada	INT	2020	0.86	14.4	35.7	90	483
Serenada	INT	2021	0.82	14.4	34.5	97	300
Serenada	CONV	2019	0.68	14.1	32.0	100	394
Serenada	CONV	2020	0.85	15.7	37.8	95	581
Serenada	CONV	2021	0.83	16.3	41.4	97	342

Abbreviations: AC – ash content; PC – protein content; WG – wet gluten; GI – gluten index; FN – falling number; ORG – organic; INT – integrated; CONV – conventional.