

Table S2. The water absorption of flour and rheological properties of wheat dough.

Cultivar	Farming system	Year	WA [%]	DT [min]	SD [min]	DS. [FU]	QN [—]
Harenda	ORG	2019	56.9	1.8	2.4	75	31
Harenda	ORG	2020	56.0	2.0	16.4	47	39
Harenda	ORG	2021	56.6	1.9	3.2	77	32
Harenda	INT	2019	56.8	2.5	18.6	28	84
Harenda	INT	2020	54.4	2.0	4.3	52	37
Harenda	INT	2021	58.1	2.1	4.9	67	49
Harenda	CONV	2019	56.6	2.7	18.4	30	92
Harenda	CONV	2020	55.1	2.8	19.0	8	197
Harenda	CONV	2021	58.0	3.4	7.3	45	65
Kandela	ORG	2019	53.8	1.6	2.5	77	26
Kandela	ORG	2020	54.5	4.1	14.4	18	121
Kandela	ORG	2021	54.3	2.5	9.7	37	80
Kandela	INT	2019	55.7	2.8	9.2	36	90
Kandela	INT	2020	53.8	2.8	9.2	35	91
Kandela	INT	2021	58.4	1.9	3.5	71	35
Kandela	CONV	2019	55.8	4.2	18.2	10	139
Kandela	CONV	2020	54.9	5.9	10.9	23	113
Kandela	CONV	2021	58.2	5.2	11.9	22	112
Mandaryna	ORG	2019	55.4	2.1	7.5	45	80
Mandaryna	ORG	2020	53.9	2.1	17.8	15	155
Mandaryna	ORG	2021	53.2	2.0	6.2	46	39
Mandaryna	INT	2019	59.5	7.8	12.8	16	132
Mandaryna	INT	2020	53.5	1.9	3.6	56	28
Mandaryna	INT	2021	59.0	3.0	15.2	22	133
Mandaryna	CONV	2019	56.0	8.2	17.6	10	173
Mandaryna	CONV	2020	54.4	8.0	13.6	17	131
Mandaryna	CONV	2021	58.2	3.9	16.4	20	137
Serenada	ORG	2019	59.7	2.6	9.3	38	72
Serenada	ORG	2020	63.8	6.0	16.9	22	134
Serenada	ORG	2021	59.7	2.6	9.3	38	72
Serenada	INT	2019	61.6	2.6	9.7	31	91
Serenada	INT	2020	61.1	6.9	10.7	29	102
Serenada	INT	2021	61.6	2.6	9.4	31	96
Serenada	CONV	2019	57.8	3.1	18.4	25	108
Serenada	CONV	2020	61.3	6.3	12.7	15	139
Serenada	CONV	2021	63.2	5.1	17.0	17	134

Abbreviations: WA — water absorption; DT — development time; SD — stability of dough; DS — degree of softening; QN — quality number; ORG — organic; INT — integrated; CONV — conventional.