

Supplementary Table 1. Grain yield per spike, yield components, and stress susceptibility and stress tolerance index in control (CP) and defoliated plants (DP) of wheat genotypes across two growing seasons

Genotypes	Grain number per spike		Grain weight per spike (g)		1000-grain weight (g)		Grain filling rate (mg 100 GDD/day)		Harvest index (%)		Stem reserve contribution (%)		SSI	STI
	CP	DP	CP	DP	CP	DP	CP	DP	CP	DP	CP	DP		
Zemunska rosa 1	48.4 cde	46.0 abc	1.68 ab	1.31 abc	35.0 abcde	28.6 bcde	5.3 abcde	4.39 bcde	40.9 ab	42.7 ab	18.0 a	62.5 a	0.76	0.71
Zemunska rosa 2	40.6 de	39.4 bcd	1.43 ab	1.25 abc	34.9 abcde	32.4 bcde	5.35 abcde	4.87 bcde	37.1 ab	35.7 abc	34.5 a	81.7 a	0.48	0.56
MRI S4/I	51.0 bcde	42.2 abcd	2.05 ab	1.35 abc	40.3 abcd	33.0 bcd	6.12 abcde	5.03 bcde	43.8 ab	44.0 ab	16.0 a	69.3 a	1.21	0.73
MRI S10/I	57.9 abcd	20.5 d	1.6 ab	0.46 c	25.1 e	25.0 de	3.82 e	3.8 de	31.2 b	15.3 c	40.5 a	98.8 a	2.39	0.63
MRI D3/I	38.6 de	29.9 cd	1.8 ab	1.2 abc	46.8 ab	39.2 ab	6.68 abcd	5.67 abc	43.9 ab	35.2 abc	39.2 a	73.6 a	1.21	0.72
MRI D6/I	37.2 de	33.4 cd	1.84 ab	1.6 ab	48.7 a	48.3 a	7.35 a	7.27 a	42.5 ab	36.1 abc	28.7 a	61.7 a	0.45	1.16
MRI D10/I	41.3 de	37.9 bcd	1.57 ab	1.46 ab	37.4 abcde	36.9 abc	5.9 abcde	5.67 abc	51.2 a	45.1 ab	28.4 a	56.3 a	0.42	0.92
MRI D19/I	41.9 de	39.7 bcd	1.83 ab	1.23 abc	42.9 abc	30.0 bcde	6.6 abcd	4.62 bcde	39.1 ab	38.9 ab	8.1 a	67.0 a	1.14	0.93
MRI D20/IP	46.6 cde	34.8 cd	1.58 ab	1.24 abc	34.4 bcde	35.3 bcd	5.1 abcde	5.2 bcd	41.7 ab	38.3 abc	53.4 a	98.6 a	0.84	0.27
MRI D22/I	46.6 cde	41.7 abcd	2.18 ab	1.65 ab	47.4 ab	39.6 ab	7.0 abc	5.87 ab	44.5 ab	38.6 abc	43.2 a	78.8 a	0.86	0.68
Donska semi.	35.5 e	37.1 bcd	1.27 b	1.16 abc	37.3 abcde	30.9 bcde	5.73 abcde	4.68 bcde	38.7 ab	42.9 ab	44.4 a	85.3 a	0.45	0.48
Brigand	51.4 bcde	35.6 bcd	2.36 a	1.18 abc	46.8 ab	31.2 bcde	7.07 ab	4.75 bcde	46.3 ab	32.7 abc	6.6 a	63.4 a	1.80	0.47
Highbury	76.1 a	64.7 a	2.23 ab	1.69 a	29.7 cde	25.5 cde	4.23 de	3.6 de	43.6 ab	41.5 ab	31.7 a	78.6 a	0.96	0.66
Florida	42.4 de	37.9 bcd	1.45 ab	1.16 abc	35.0 abcde	30.3 bcde	5.3 abcde	4.53 bcde	38.4 ab	40.5 ab	15.0 a	69.0 a	0.77	1.21
NS 46/90	71.4 ab	48.5 abc	1.99 ab	1.4 abc	28.1 de	29.8 bcde	4.07 de	4.27 bcde	41.3 ab	46.7 a	29.0 a	82.0 a	1.00	0.32
Bezostaya 1	44.43 cde	39.5 bcd	1.7 ab	1.25 abc	37.4 abcde	30.2 bcde	5.85 abcde	4.61 bcde	43.7 ab	34.3 abc	32.3 a	79.7 a	0.96	0.92
Lambriego I.	55.6 abcde	44.1 abcd	1.85 ab	1.33 abc	31.9 cde	28.3 bcde	4.45 bcde	3.9 cde	37.4 ab	35.6 abc	25.4 a	76.9 a	0.98	0.77
Mexico 3	51.2 bcde	33.2 cd	1.4 ab	0.69 bc	27.9 de	21.0 e	4.37 cde	3.31 e	30.4 b	23.1 bc	13.3 a	90.4 a	1.81	1.05
Pobeda	39.3 de	38.7 bcd	1.25 b	1.09 abc	30.7 cde	29.5 bcde	4.84 abcde	4.55 bcde	40.8 ab	36.6 abc	52.3 a	57.9 a	0.43	0.55
ZGKT 159/82	64.5 abc	59.1 ab	2.0 ab	1.64 ab	30.9 cde	27.2 cde	5.03 abcde	4.36 bcde	42.1 ab	40.2 ab	16.7 a	52.4 a	0.62	0.91

Means of traits in control and defoliated plants in the same column followed by the same letter are not significantly different ($P<0.05$).