

Table S1. Three-way interactions between weather conditions of experimental years, varieties and biofertilization treatments for grain yield (GY), protein content (PC), vitreousness (V), falling number (FN); bulk density (BD) and gluten content (GC). Treatment variants are labeled as V0 (control), V1 (seaweed based) and V2 (humic substances based). Lowercase letters indicate differences according to HSD Tukey test at level of significance $\alpha = 0.01$.

Interaction B x V x W			GY (t ha ⁻¹)	PC (%)	V (%)	FN (s)	BD (g l ⁻¹)	GC (%)
2017	Elsadur	V0	1.73 ^a	16.57 ^{ghi}	87.33 ^{abcde}	396.00 ^{de}	720.33 ^a	36.67 ^{fgh}
		V1	2.10 ^{bc}	15.70 ^{defg}	87.33 ^{abcde}	349.00 ^{abcde}	768.33 ^{abcd}	34.50 ^{cdef}
		V2	2.24 ^c	15.43 ^{cdef}	85.67 ^{abcd}	386.00 ^{cde}	759.67 ^{abc}	33.77 ^{bcde}
	Lunadur	V0	2.69 ^d	16.27 ^{fgh}	92.00 ^{cde}	388.67 ^{cde}	816.67 ^{de}	35.97 ^{efg}
		V1	2.74 ^d	16.93 ^{hi}	93.33 ^{de}	428.67 ^e	807.00 ^{cde}	37.70 ^{gh}
		V2	3.31 ^e	15.87 ^{efg}	93.00 ^{de}	387.33 ^{cde}	822.33 ^e	34.67 ^{def}
	Auradur	V0	1.88 ^a	17.27 ⁱ	93.67 ^{de}	419.33 ^e	800.33 ^{bcde}	38.80 ^h
		V1	2.03 ^b	17.33 ⁱ	91.33 ^{bcde}	387.67 ^{cde}	784.33 ^{bcde}	38.90 ^h
		V2	2.11 ^{bc}	18.93 ^j	94.67 ^e	414.67 ^e	751.67 ^{ab}	42.93 ⁱ
2018	Elsadur	V0	5.50 ^{hi}	15.03 ^{bcde}	82.33 ^a	293.33 ^{ab}	784.67 ^{bcde}	32.30 ^{abcd}
		V1	5.64 ⁱ	15.00 ^{bcde}	83.00 ^{ab}	272.00 ^{ab}	784.67 ^{bcde}	31.56 ^{ab}
		V2	5.40 ^h	15.53 ^{def}	82.33 ^a	280.00 ^{ab}	781.33 ^{bcde}	32.84 ^{abcd}
	Lunadur	V0	6.20 ^j	14.83 ^{abcd}	82.67 ^a	319.67 ^{abcd}	807.33 ^{cde}	31.22 ^a
		V1	6.41 ^k	15.57 ^{def}	84.33 ^{abc}	356.67 ^{bcde}	806.67 ^{cde}	31.39 ^{ab}
		V2	6.21 ^j	14.93 ^{bcde}	83.33 ^{ab}	302.33 ^{abc}	808.67 ^{cde}	31.29 ^a
	Auradur	V0	4.83 ^f	13.87 ^a	85.33 ^{abcd}	262.33 ^a	775.00 ^{bcde}	32.08 ^{abc}
		V1	5.05 ^g	14.17 ^{ab}	83.67 ^{abc}	289.00 ^{ab}	784.33 ^{bcde}	32.79 ^{abcd}
		V2	4.90 ^f	14.47 ^{abc}	85.33 ^{abcd}	288.00 ^{ab}	789.00 ^{bcde}	32.50 ^{abcd}