Supplementary Materials: Influence of Endosperm Starch Composition on Maize Response to Fusarium temperatum Scaufl. & Munaut

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Table S1. ANOVA analysis of the influence of the maize type, cropping season, and field localization on disease severity index I_{FER} after plant inoculation with *F. temperatum.*

Source of variation	ANOVA traits				
	SS	*df*	*MS*	*F*	*p*
Intercept	140875.1	1	140875.1	785.1575	0.000000
Maize type (A)	2865.9	2	1433.0	7.9865	0.000369
Year (B)	3847.8	3	1282.6	7.1485	0.000097
Localities (C)	8551.7	2	4275.8	23.8310	0.000000
A X B	1350.7	6	225.1	1.2547	0.276174
A X C	754.3	4	188.6	1.0510	0.379854
B X C	4428.8	6	738.1	4.1139	0.000448
A X B X C	1249.6	12	104.1	0.5804	0.859055
Error	138514.4	772	179.4		

Abbreviations: *SS*, sum of squares; *df,* degrees of freedom; *MS*, Mean square; *F,* F ratio; *p,* probability.

Table S2. ANOVA analysis of the influence of the maize type, cropping season, and field localization on BEA kernel contamination after plant inoculation with *F. temperatum.*

Source of variation	ANOVA traits				
	SS	*df*	*MS*	*F*	*p*
Intercept	20874.16	1	20874.16	454.6599	0.000000
Maize type (A)	780.60	2	390.30	8.5011	0.000223
Year (B)	1795.12	3	598.37	13.0332	0.000000
Localities (C)	241.12	2	120.56	2.6259	0.073039
A X B	652.21	6	108.70	2.3676	0.028426
A X C	365.52	4	91.38	1.9903	0.094177
B X C	936.68	6	156.11	3.4003	0.002569
A X B X C	211.52	12	17.63	0.3839	0.969385
Error	34479.60	751	45.91		

Abbreviations: *SS*, sum of squares; *df,* degrees of freedom; *MS*, Mean square; *F,* F ratio; *p,* probability.

Table S3. ANOVA analysis of the influence of the maize type, cropping season, and field localization on the ergosterol (ERG) content after plant inoculation with *F. temperatum*.

Source of variation	ANOVA traits				
	SS	*df*	*MS*	*F*	*p*
Intercept	140875.1	1	140875.1	785.1575	0.000000
Maize type (A)	2865.9	2	1433.0	7.9865	0.000369
Year (B)	3847.8	3	1282.6	7.1485	0.000097
Localities (C)	8551.7	2	4275.8	23.8310	0.000000
A X B	1350.7	6	225.1	1.2547	0.276174
A X C	754.3	4	188.6	1.0510	0.379854
B X C	4428.8	6	738.1	4.1139	0.000448
A X B X C	1249.6	12	104.1	0.5804	0.859055
Error	138514.4	772	179.4		

Abbreviations: *SS*, sum of squares; *df*, degrees of freedom; *MS*, Mean square; *F*, F ratio; *p*, probability.

Table S4. ANOVA analysis of the influence of the maize type, cropping season, and field localization influence on the amylose content in maize kernels.

Source of variation	ANOVA traits				
	SS	*df*	*MS*	*F*	*p*
Intercept	519879.4	1	519879.4	94644.65	0.000000
Maize type (A)	2052.4	2	1026.2	186.82	0.000000
Year (B)	1294.4	3	431.5	78.55	0.000000
Localities (C)	220.6	2	110.3	20.08	0.000000
A X B	32.6	6	5.4	0.99	0.431839
A X C	51.6	4	12.9	2.35	0.052858
B X C	145.2	6	24.2	4.40	0.000217
A X B X C	246.9	12	20.6	3.75	0.000015
Error	4251.6	774	5.5		

Abbreviations: *SS*, sum of squares; *df*, degrees of freedom; *MS*, Mean square; *F*, F ratio; *p*, probability.