Supplementary Materials: Post-Harvest Contamination with Mycotoxins in the Context of the Geographic and Agroclimatic Conditions in Romania

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Table S1. Differences in the average air temperature by region and year in Romania in 2012–2015 (ANOVA two-factors without replications).

Differences in the Average Air Temperature by Region and Year in Romania							
(March–August, 2012–2015)							
Source of Variation	SS	df	MS	F	<i>p</i> -value	F crit.	
Region	23.10	5	4.62	101.49	0.000	2.90	
Year	5.76	3	1.92	42.21	0.000	3.29	
Error	0.68	15	0.05				
Total	29.55	23					

SS—sum of the squares; df—degrees of freedom; MS—the mean sum of squares; F—Fisher test; p-value—probability value; F crit.—the critical value of F test.

Table S2. Class divisions of the average air temperature by region in Romania in 2012–2015 (*t*-test multiple).

Class Division	Agricultural Region	Average Air Temperature	Differences in the Average Air Temperature by Region in Romania (March–August, 2012–2015)					
		± SD, °C	Dif. 1	Dif. 2	Dif. 3	Dif. 4	Dif. 5	
	Oltenia Plain	18.0 ± 0.80	2.93 ***	1.75 ***	1.20 ***	0.95 ***	0.20 ns	
I	Southern							
1	Plain and	17.8 ± 0.62	2.73 ***	1.55 ***	1.00 ***	0.75 ***	0	
	Dobrogea							
	Southern	17.1 ± 0.58	1.98 ***	0.80 ***	0.25 ns	0		
II	Hilly Area							
	Western Plain	16.8 ± 0.45	1.73 ***	0.55 ***	0			
III	Moldavia	16.3 ± 0.65	1.18 ***	0				
IV	Transylvania	15.1 ± 0.41	0			•		
DL 5% = 0.29, DL 1% = 0.40, DL 0.1% = 0.54								

Dif.—difference; ns—non-significant difference; ***—difference is significant at the 0.001 level (two-tailed); DL—difference limit.

Class Division	Agricultural Year	Average Air Temperature ± SD, °C	Differences in the Average Air Temperature by Year in Romania (March–August, 2012–2015)				
Division			Dif. 1	Dif. 2	Dif. 3		
I	2012	17.62 ± 1.56	1.30 ***	1.07 ***	0.80 ***		
II	2015	16.83 ± 0.90	0.50 **	0.27 *	0		
III	2013	16.55 ± 1.36	0.23 ns	0			
111	2014	16.32 ± 0.93	0				
	DL 5% = 0.26, DL 1% = 0.36, DL 0.1% = 0.50						

Table S3. Class division of the average air temperature by year in Romania, 2012–2015 (*t*-test multiple).

Dif.—difference; ns—non-significant difference; *—difference is significant at the 0.05 level (two-tailed); **—difference is significant at the 0.01 level (two-tailed); ***—difference is significant at the 0.001 level (two-tailed). DL—difference limit.

Table S4. Differences in the average cumulative precipitation by region and year in Romania in 2012–2015 (ANOVA two-factors without replications).

Differences in the Average Cumulative Precipitation by Region and Year in Romania (March-August, 2012–2015)							
Source of Variation	SS	df	MS	F	<i>p</i> -value	F crit.	
Region	33664.00	5	6732.80	1.80	0.172	2.90	
Year	134190.33	3	44730.11	11.99	0.000	3.29	
Error	55951.65	15	3730.11				
Total	223806.08	23					

SS—sum of the squares; df—degrees of freedom; MS—the mean sum of squares; F—Fisher test; p-value—probability value; F crit.—the critical value of F test.

Table S5. Class divisions of the average cumulative precipitation by year in Romania in 2012–2015 (t-test multiple).

Class	Agricultural Year	Average Cumulative Precipitation ± SD, mm	Differences in the Average Cumulative Precipitation by Year in Romania (March-August, 2012–2015)				
Division			Dif. 1	Dif. 2	Dif. 3		
I	2014	474.43 ± 99.82	180.57 ***	172.86 ***	96.00 *		
II	2013	381.14 ± 48.87	87.28 **	79.57 *	0		
III	2012	301.57 ± 41.63	7.71 ns	0			
	2015	293.86 ± 31.73	0				
		DL 5% = 63.35,	DL 1% = 86.17, DL 0.1%	6 = 117.76			

Dif.—difference; ns—non-significant difference; *—difference is significant at the 0.05 level (two-tailed); **—difference is significant at the 0.01 level (two-tailed); ***—difference is significant at the 0.001 level (two-tailed); DL—difference limit.

Table S6. Comparison of the average values of agrometeorological factors between agricultural regions and years in Romania in 2012–2015 (Kruskal–Wallis non-parametric test for independent samples, when the null hypothesis was rejected).

No.	Null Hypothesis	N	Significance Level
1	The distribution of average air temperature is the same across categories of agricultural region	153	0.000
2	The distribution of cumulative precipitation is the same across categories of agricultural region	153	0.018
3	The distribution of soil moisture reserve is the same across categories of agricultural region	152	0.000
4	The distribution of soil moisture reserve is the same across categories of year	152	0.012