Supplementary information
for the manuscript:

Contrasting performance of two winter wheat varieties susceptible to leaf rust under diverse pathogen pressure, fungicide application, and cultivation practices

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Supplementary Table S2. Regression analysis of the most influencing factors on yield, TKW, and crude protein responses to fungicide application in winter wheat varieties Barbee and Zvezdana

Depenedent variable: yield response to fungicide treatment					
Source	DF	Adj SS	Adj MS	F-Value	P-Value
Regression	18	2115,8	117,55	2,29	0.005
Leaf rust*Treatment	17	1895,0	111,47	2,17	0.009
Variety*Locality (cultivation system)	1	739,9	739,93	14,38	0.000
Error	112	5761,6	51,44		
Total	130	7877,4			
Depenedent variable: TKW response to fungicide treatment					
Source	DF	Adj SS	Adj MS	F-Value	P-Value
Regression	20	1152,82	57,64	3,65	0.000
Variety	1	347,04	347,04	21,95	0.000
Cultivation system	1	178,58	178,58	11,30	0.001
Leaf rust*Treatment	17	405,53	23,85	1,51	0.104
Variety*Locality (cultivation system)	1	34,99	34,99	2,21	0.140
Error	111	1754,92	15,81		
Total	131	2907,74			
Depenedent variable: crude protein response to fungicide treatment					
Source	DF	Adj SS	Adj MS	F-Value	P-Value
Regression	1	199,3	199,31	3,42	0.067
Leaf rust	1	199,3	199,31	3,42	0.067
Error	130	7576,4	58,28		
Total	131	7775,7			