

Table 6. Summary of linear regression analysis.

Factor	Agronomic (Response Ratio)						Economic (Net Margin (\$/a))					
	Corn			Soybean			Corn			Soybean		
	Coef.	<i>p</i>	R ²	Coef.	<i>p</i>	R ²	Coef.	<i>p</i>	R ²	Coef.	<i>p</i>	R ²
Management factors												
Planting date (days)	<0.001	0.921	<0.001	<0.001	0.885	<0.001	-0.007	0.982	<0.001	-0.073	0.800	0.001
Seeding rate (lb/a)	-0.001	0.028	0.127	<-0.001	0.217	0.016	-1.070	0.002	0.236	-0.543	0.022	0.055
Termination date (days)	-0.001	0.100	0.073	-0.002	<0.001	0.243	-0.720	0.141	0.059	-1.647	<0.001	0.316
Termination timing ⁽¹⁾	-0.031	0.003	0.216	-0.030	<0.001	0.395	-21.959	0.007	0.185	-21.598	<0.001	0.480
Environment factors- soil												
Drainage class ⁽²⁾	-0.003	0.771	0.002	0.006	0.413	0.007	-3.174	0.682	0.005	3.808	0.382	0.008
Yield potential ⁽³⁾	0.022	0.166	0.053	0.014	0.452	0.006	17.700	0.143	0.059	8.121	0.512	0.005
pH	0.017	0.354	0.024	0.009	0.054	0.004	18.460	0.167	0.052	2.022	0.826	0.001
OM (%)	-0.013	0.215	0.042	0.006	0.395	0.008	-11.810	0.138	0.060	5.594	0.234	0.015
STP (ppm) ⁽⁴⁾	-0.001	0.949	<0.001	<-0.001	0.308	0.011	0.005	0.953	<0.001	-0.060	0.442	0.006
STK (ppm)	-0.001	0.641	0.006	<-0.001	0.855	<0.001	0.066	0.601	0.008	0.072	0.360	0.009
Environment factors-precipitation (in)												
Early season (Apr.-May), actual	0.008	0.009	0.173	<0.001	0.805	<0.001	5.381	0.017	0.149	0.957	0.605	0.003
Mid-season (Jun.-Jul.), actual	0.004	0.083	0.081	0.003	0.119	0.026	2.951	0.091	0.077	2.791	0.042	0.044
Late season (Aug.-Sept.), actual	-0.002	0.646	0.006	-0.002	0.499	0.005	-1.778	0.550	0.010	-1.483	0.440	0.006
Season total, actual	0.005	0.004	0.204	0.002	0.302	0.011	3.602	0.009	0.174	1.432	0.165	0.021
Early season (Apr.-May), depart.	0.006	0.039	0.113	<0.001	0.748	0.001	3.968	0.074	0.086	0.827	0.620	0.003
Mid-season (Jun.-Jul.), depart.	0.004	0.103	0.072	0.003	0.129	0.025	2.661	0.111	0.069	2.700	0.048	0.041
Late season (Aug.-Sept.), depart.	-0.003	0.503	0.013	-0.002	0.495	0.005	-2.539	0.406	0.019	-1.876	0.355	0.009
Season total, depart.	0.003	0.038	0.114	<0.001	0.593	0.003	2.807	0.040	0.112	1.316	0.195	0.018
Year	0.006	0.526	0.011	0.012	0.140	0.023	5.785	0.413	0.019	9.038	0.094	0.030

1, Categorical data: Preplant, Preemergence, Emergence, Early postemergence, Late postemergence

2, Categorical data: Well, somewhat poorly, poorly, very poorly

3, Categorical data: High, medium, sandy

4, Bray 1