

Table 16. Regression data for five farmers supplying complete information for 2010-2014.

WW bu/ac	PPT in/yr	FAL	High Al	Outlier	TILL resist
35.8	12.3	1	7	0	50
64.3	13.0	1	7	0	50
59.0	11.6	1	7	0	50
51.5	10.0	1	7	0	50
36.9	8.1	1	7	0	50
71.0	16.4	0	27	0	50
88.0	20.1	0	27	0	50
85.0	21.2	0	27	0	50
84.0	18.6	0	27	0	50
72.0	13.7	0	27	0	50
64.0	16.3	0	72	1	50
75.0	23.0	0	72	1	50
66.0	21.9	0	72	1	50
55.0	17.6	0	72	1	50
51.0	18.0	0	72	1	50
90.6	17.2	0	84	0	33
99.2	25.2	0	84	0	33
104.8	23.1	0	84	0	33
101.6	18.8	0	84	0	33
77.2	19.8	0	84	0	33
86.6	18.9	0	68	0	50
115.5	25.4	0	68	0	50
105.1	22.8	0	68	0	50
102.7	19.2	0	68	0	50
77.5	20.5	0	68	0	50
97.8	24.3	0	17	0	47
111.0	21.6	0	17	0	47
93.4	24.7	0	17	0	47
105.4	16.6	0	17	0	47
86.8	19.3	0	17	0	47
31.6	12.1	1	30	0	50
38.6	14.2	1	30	0	50
22.3	10.4	1	30	0	50
24.4	10.2	1	30	0	50
12.6	10.0	1	30	0	50

Definitions: FAL = 1 if fallow in rotation, 0 otherwise;

High AL = the highest AL toxicity

for the grower over sites, soil depths and seasons

Outlier = 1 for a grower with statistically different yield pattern due to unique management, = 0 for others

TILL resist = a multiplicative index of resistance to tillage based on grower's survey responses