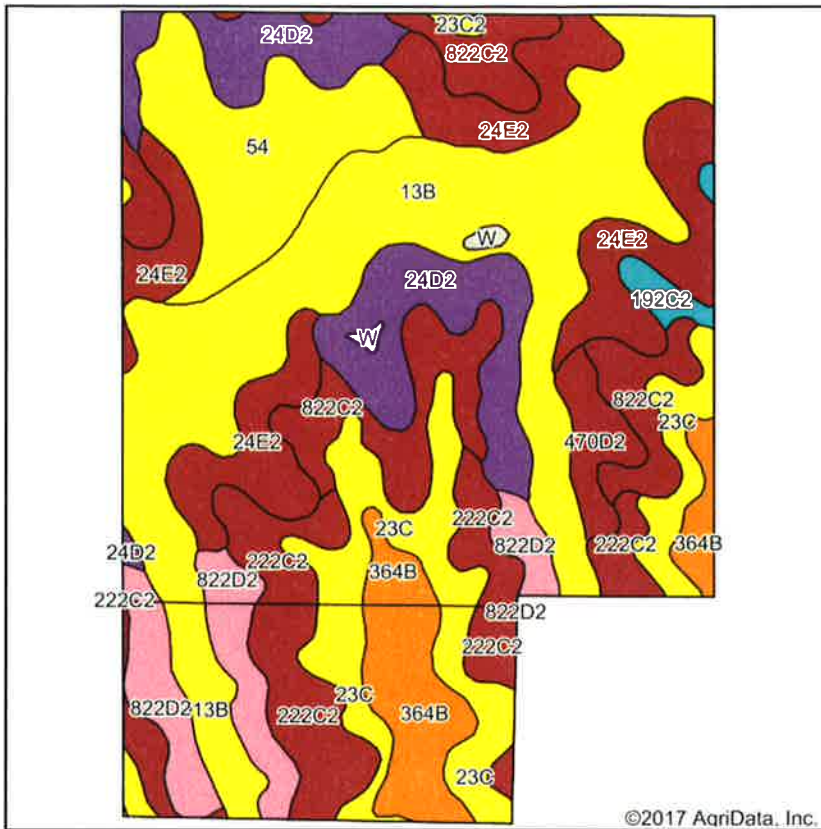
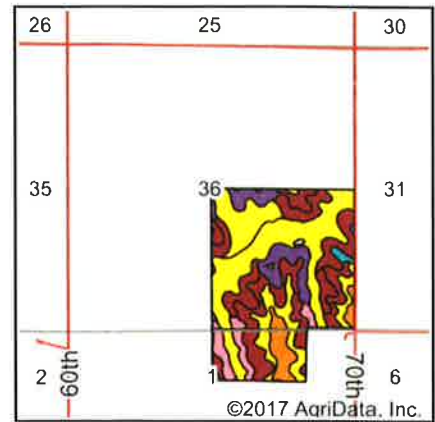


# Soils Map



Soils data provided by USDA and NRCS.



State: **Iowa**  
 County: **Lucas**  
 Location: **36-71N-23W**  
 Township: **Union**  
 Acres: **195**  
 Date: **1/9/2018**



Maps Provided By  
**surety**  
 CUSTOMIZED ONLINE MAPPING  
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Area Symbol: IA117, Soil Area Version: 25  
 Area Symbol: IA185, Soil Area Version: 21

Code	Soil Description	Acres	Percent of field	CSR2 Legend	Soil Drainage	Non-Irr Class *c	CSR2**	CSR
13B	Zook-Olmitz-Vesser complex, 0 to 5 percent slopes	44.35	22.7%		Poorly drained	IIw	68	53
24E2	Shelby clay loam, 14 to 18 percent slopes, moderately eroded	25.40	13.0%		Well drained	IVe	40	38
24D2	Shelby clay loam, 9 to 14 percent slopes, moderately eroded	18.38	9.4%		Well drained	IIIe	52	48
822C2	Lamoni silty clay loam, 5 to 9 percent slopes, moderately eroded	18.23	9.3%		Somewhat poorly drained	IIIe	36	30
54	Zook silty clay loam, heavy till, 0 to 2 percent slopes, occasionally flooded	16.49	8.5%		Poorly drained	IIw	68	75
23C	Arispe silty clay loam, 5 to 9 percent slopes	11.78	6.0%		Somewhat poorly drained	IIIe	66	55
222C2	Clarinda silty clay loam, 5 to 9 percent slopes, moderately eroded	10.32	5.3%		Poorly drained	IVw	34	
222C2	Clarinda silty clay loam, 5 to 9 percent slopes, moderately eroded	8.58	4.4%		Poorly drained	IVw	34	25
23C	Arispe silty clay loam, 5 to 9 percent slopes	8.13	4.2%		Somewhat poorly drained	IIIe	66	
822D2	Lamoni silty clay loam, 9 to 14 percent slopes, moderately eroded	7.76	4.0%		Somewhat poorly drained	IVe	29	
364B	Grundy silty clay loam, 2 to 5 percent slopes	7.44	3.8%		Somewhat poorly drained	Ile	72	
13B	Zook-Olmitz-Vesser complex, 0 to 5 percent slopes	4.39	2.3%		Poorly drained	IIw	68	
364B	Grundy silty clay loam, 2 to 5 percent slopes	3.88	2.0%		Somewhat poorly drained	Ile	72	75
470D2	Lamoni-Shelby complex, 9 to 14 percent slopes, moderately eroded	3.66	1.9%		Somewhat poorly drained	IVe	34	25
822D2	Lamoni silty clay loam, 9 to 14 percent slopes, moderately eroded	3.54	1.8%		Somewhat poorly drained	IVe	29	15
192C2	Adair clay loam, heavy till, 5 to 9 percent slopes, moderately eroded	1.64	0.8%		Somewhat poorly drained	IIIe	48	30
W	Water	0.57	0.3%				0	0

23C2	Arispe silty clay loam, 5 to 9 percent slopes, moderately eroded	0.46	0.2%		Somewhat poorly drained	IIIe	62	50
Weighted Average							53.3	*-

\*\*IA has updated the CSR values for each county to CSR2.

\*- CSR weighted average cannot be calculated on the current soils data, use prior data version for csr values.

\*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.