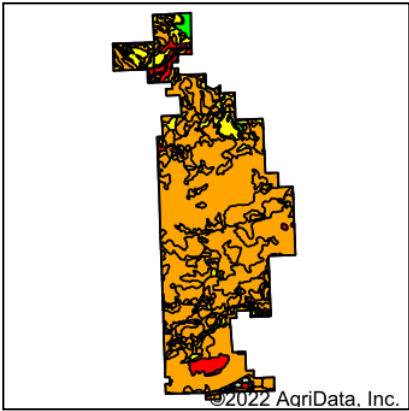
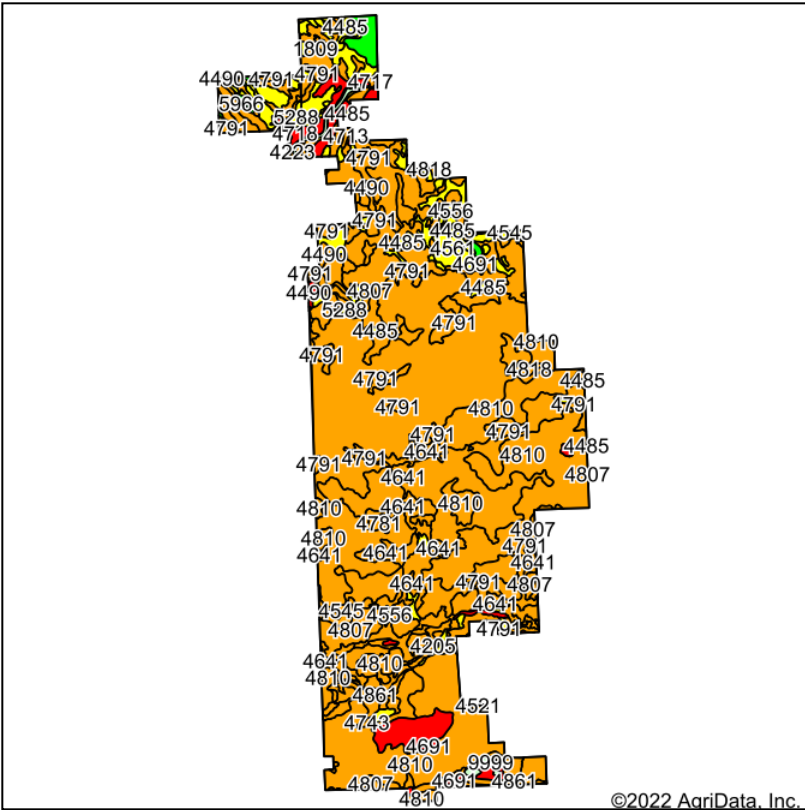


Soils Map



State: **Nebraska**
 County: **Cherry**
 Location: **32-31N-40W**
 Township: **Merriman**
 Acres: **30334.96**
 Date: **12/21/2022**



Soils data provided by USDA and NRCS.

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Area Symbol: NE031, Soil Area Version: 28
 Area Symbol: NE161, Soil Area Version: 21

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	Range Production (lbs/acre/yr)	Corn Irrigated Bu	Corn Bu	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans
4807	Valentine fine sand, rolling, 9 to 24 percent slopes	11958.63	39.4%		Vle		2265			13	10	12	13
4810	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes	7209.88	23.8%		Vle		2262			11	9	10	11
4791	Valentine fine sand, 3 to 9 percent slopes	2497.75	8.2%		Vle	Ive	2374	85		19	16	16	19
4490	Dunday loamy fine sand, 3 to 9 percent slopes	903.90	3.0%		Vle		2398	20	2	23	18	18	23
4485	Dunday loamy fine sand, 0 to 3 percent slopes	795.22	2.6%		Ive		2440	12	2	24	18	18	24
4861	Valentine-Els complex, 0 to 9 percent slopes	684.59	2.3%		Vle	Ive	3016	80		19	15	16	18
4641	lpage fine sand, 0 to 3 percent slopes	667.74	2.2%		Vle		2931			17	14	17	17
4818	Valentine loamy fine sand, 3 to 9 percent slopes	637.25	2.1%		Vle	Ive	2369	85	1	20	16	16	20

Soils data provided by USDA and NRCS.



Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	Range Production (lbs/acre/yr)	Corn Irrigated Bu	Corn Bu	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans
4800	Valentine fine sand, hilly, 24 to 60 percent slopes	438.10	1.4%		VIIe		2010			5	4	5	4
4718	Orpha-Rock outcrop complex, 30 to 60 percent slopes	427.75	1.4%		VIIe		1745			3	3	3	3
4717	Orpha-Niobrara loamy fine sands, 9 to 30 percent slopes	421.79	1.4%		VIe		1875			12	9	10	12
5288	Vetal loamy fine sand, 0 to 3 percent slopes	403.86	1.3%		IIIe		2410	108		29	23	25	29
4561	Elsmere-Loup complex, 0 to 3 percent slopes	327.45	1.1%		IVw	IVw	4115	45		20	15	20	19
4662	Loup fine sandy loam, 0 to 1 percent slopes	242.52	0.8%		Vw		4506	4		18	13	18	16
5281	Vetal fine sandy loam, 0 to 3 percent slopes	232.84	0.8%		IIc		2424	129	39	41	27	28	41
5265	Tuthill fine sandy loam, 0 to 3 percent slopes	203.24	0.7%		IIIe	Ile	2485	120		31	15	23	31
4490	Dunday loamy fine sand, 3 to 9 percent slopes	184.13	0.6%		VIe		2398	20	2	23	18	18	23
4545	Els-lpage fine sands, 0 to 3 percent slopes	168.82	0.6%		VIw	IVw	3998	51		18	15	18	18
9999	Water	136.40	0.4%				0						
4553	Elsmere loamy fine sand, 0 to 3 percent slopes	132.23	0.4%		IVw	IVw	4290	77		23	17	23	22
4807	Valentine fine sand, rolling, 9 to 24 percent slopes	129.63	0.4%		VIe		2265			13	10	12	13
4205	Almeria loamy fine sand, channeled, frequently flooded, 0 to 2 percent slopes	127.33	0.4%		VIw		4853			6	5	2	6
4781	Valentine fine sand, 0 to 3 percent slopes	122.48	0.4%		VIe	IVe	2532	85		19	16	15	19
1809	Satanta fine sandy loam, 1 to 3 percent slopes	102.10	0.3%		IIIe	Ile	2364	114		35	15	21	35
9936	Medihemists	84.13	0.3%		VIIIw		5970			6	3	6	3
4791	Valentine fine sand, 3 to 9 percent slopes	81.44	0.3%		VIe	IVe	2374	85		19	16	16	19
4563	Els-Tryon complex, 0 to 3 percent slopes	80.25	0.3%		IVw	IVw	4439	4		20	14	19	18



Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	Range Production (lbs/acre/yr)	Corn Irrigated Bu	Corn Bu	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans
4691	Marlake mucky peat	71.91	0.2%		VIIIw		576			2	2	1	1
4713	Orpha loamy fine sand, 3 to 9 percent slopes	65.08	0.2%		VIe	IVe	2300	63		19	14	16	19
4743	Tryon fine sandy loam, frequently ponded	61.39	0.2%		Vw		4560			6	5	3	4
4717	Orpha-Niobrara loamy fine sands, 9 to 30 percent slopes	61.30	0.2%		VIe		1875			12	9	10	12
4718	Orpha-Rock outcrop complex, 30 to 60 percent slopes	59.50	0.2%		VIIe		1955			2	2	2	2
4818	Valentine loamy fine sand, 3 to 9 percent slopes	50.68	0.2%		VIe	IVe	2369	85	1	20	16	16	20
5288	Vetal loamy fine sand, 0 to 3 percent slopes	46.43	0.2%		IIIe		2410	108		29	23	25	29
4579	Gannett mucky peat	46.21	0.2%		Vw		5440			7	7	2	6
4556	Elsmere loamy fine sand, calcareous, 0 to 3 percent slopes	42.50	0.1%		IVw	IVw	3813	6	3	16	10	16	16
5188	Keya loam, 0 to 2 percent slopes	42.17	0.1%		IIc	Ie	3055	135	45	56	34	35	56
4713	Orpha loamy fine sand, 3 to 9 percent slopes	40.30	0.1%		VIe	IVe	2300			14	7	11	14
9903	Fluvaquents, sandy, frequently flooded	40.16	0.1%		VIIIw		735			4	3	3	3
5266	Tuthill fine sandy loam, 3 to 6 percent slopes	34.70	0.1%		IIIe	IIIe	2444	115	26	36	24	27	36
4228	Bolent-Calamus, calcareous loamy fine sands, occasionally flooded	31.66	0.1%		IVe	IVw	4220	33	9	21	14	17	20
4485	Dunday loamy fine sand, 0 to 3 percent slopes	30.60	0.1%		IVe		2440	12	2	24	18	18	24
1892	Valent loamy fine sand, 3 to 9 percent slopes	28.11	0.1%		VIe		1935	2	1	16	8	12	16
4450	Valentine severely eroded-Valentine complex, 0 to 60 percent slopes	23.39	0.1%		VIIIe		828	3		7	6	6	6
5281	Vetal fine sandy loam, 0 to 3 percent slopes	22.73	0.1%		IIIe		1563			38	17	26	38



Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	Range Production (lbs/acre/yr)	Corn Irrigated Bu	Corn Bu	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans
4243	Ord loam, rarely flooded	22.25	0.1%		IIIw	IIIw	4730	98		36	23	29	36
4670	Loup mucky peat	15.69	0.1%		Vw		4558	1		5	4	3	4
4221	Bolent fine sandy loam, rarely flooded	14.42	0.0%		IVe	IVw	4630			24	19	20	24
5966	Jayem fine sandy loam, 3 to 6 percent slopes	13.92	0.0%		IVe	IIle	1799	102		32	14	21	32
9999	Water	12.30	0.0%				0						
5266	Tuthill fine sandy loam, 3 to 6 percent slopes	11.94	0.0%		IIle	IIle	2485	115		30	15	23	30
4521	Els fine sand, 0 to 3 percent slopes	11.57	0.0%		VIw	IVw	3986	72		18	15	17	18
5121	Busher fine sandy loam, 6 to 9 percent slopes	10.47	0.0%		IVe	IVe	2232	64		35	24	26	35
1809	Satanta fine sandy loam, 1 to 3 percent slopes	9.83	0.0%		IIle	Ile	2364	114		35	15	21	35
4223	Bolent loamy fine sand, occasionally flooded	5.14	0.0%		VIw		4723			19	13	11	19
5141	Busher-Tassel fine sandy loams, 9 to 30 percent slopes	4.12	0.0%		VIe		1910			26	18	20	26
4716	Orpha-Niobrara complex, 9 to 30 percent slopes	3.04	0.0%		VIe		1740			10	6	8	10
Weighted Average					*-	*-	2389.8	18	0.6	*n 14.7	*n 11.4	*n 12.8	*n 14.6

*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

*- Non Irr Class weighted average cannot be calculated on the current soils data due to missing data.

*- Irr Class weighted average cannot be calculated on the current soils data due to missing data.