

Atchison County, Kansas: Update  
Field Office Thunderbook: Soils Properties for Conservation Planning

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "K", "Kf", "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer)

Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
013PD:PADONIA---	50	N/A	4e	Not prime farmland	C	Clay Upland (pe30-37)	8	.37	.37	3	7	38
013PD:MARTIN----	40	N/A	4e	Not prime farmland	C	Loamy Upland (pe30-37)	8	.37	.37	5	7	38
013SG:SHELBY----	88	N/A	3e	Not prime farmland	B	Loamy Upland (pe30-37)	7	.28	.28	5	6	48
013SM:SHELBY----	85	N/A	4e	Not prime farmland	B	Loamy Upland (pe30-37)	7	.28	.28	5	6	48
085WB:WYMORE----	85	2e-	2e	All areas are prime farmland	D	Clay Upland (pe30-37)	8	.37	.37	5	7	38
085WC:WYMORE----	88	4e-	4e	Not prime farmland	D	Clay Upland (pe30-37)	8	.37	.37	5	7	38
087MO:MARTIN----	40	N/A	3e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	5	7	38
087MO:OSKA-----	30	N/A	3e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	2	7	38
087SC:SHELBY----	55	N/A	3e	Not prime farmland	B	Loamy Upland (pe30-37)	7	.28	.28	5	6	48
087SC:PAWNEE----	30	N/A	3e	Not prime farmland	D	Clay Upland (pe30-37)	7	.37	.37	5	6	48
601GC:GOSPORT---	50	N/A	7e	Not prime farmland	C	Unspecified	7	.43	.43	3	6	48
601GT:GRUNDY----	90	N/A	2e	All areas are prime farmland	C	Clay Upland (pe30-37)	8	.37	.37	5	7	38
601KH:KNOX-----	80	N/A	3e	Not prime farmland	B	Unspecified	7	.32	.32	5	6	48
601LA:LADOGA----	80	N/A	3e	All areas are prime farmland	B	Unspecified	7	.32	.32	5	6	48
601SH:SHELBY----	80	N/A	3e	All areas are prime farmland	B	Loamy Upland (pe30-37)	7	.28	.28	5	6	48
601SM:SHELBY----	90	N/A	4e	Not prime farmland	B	Loamy Upland (pe30-37)	7	.28	.28	5	6	48
AED:ARENTS, EARTHEN DAM----	100	N/A	8	Not prime farmland		Unspecified		---	---	-	---	---
Ab:ALBATON-----	86	3w-	3w	Not prime farmland	D	Clayey Overflow - Veg. Zone 3	4	.37	.37	5	4	86
Ae:AKSARBEN-----	85	N/A	3e	Not prime farmland	B	Loamy Upland (pe30-37)	8	.32	.32	5	7	38

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								K	Kf	T		
Aq:FLUVAQUENTS---	95	N/A	8w	Not prime farmland		Unspecified	5	---	---	5	4L	86
Ar:ARMSTER-----	85	N/A	4e		C	Clay Upland (pe30-37)	7	.37	.37	5	6	48
As:ARMSTER-----	85	N/A	4e		C	Clay Upland (pe30-37)	7	.37	.37	5	6	48
Ch:CHASE-----	90	N/A	2w	All areas are prime farmland	C	Loamy Lowland (pe30-37)	8	.37	.37	5	7	38
Go:GOSPORT-----	85	N/A	7e	Not prime farmland	C	Unspecified	8	.43	.43	3	7	38
Gr:GRUNDY-----	90	N/A	2w	All areas are prime farmland	C	Clay Upland (pe30-37)	8	.37	.37	5	7	38
Gu:GRUNDY-----	85	N/A	3e	All areas are prime farmland	C	Clay Upland (pe30-37)	8	.37	.37	5	7	38
Gx:GRUNDY-----	90	N/A	3e	Not prime farmland	C	Clay Upland (pe30-37)	4	.37	.37	5	4	86
Hn:HAYNIE-----	96	2w-	2w	All areas are prime farmland	B	Loamy Lowland (pe35-37)	5	.37	.37	5	4L	86
Ho:HAYNIE-----	60	2w-	2w	Prime farmland if drained	B	Loamy Lowland (pe35-37)	5	.37	.37	5	4L	86
Ho:ONAWA-----	30	2w-	2w	Prime farmland if drained	D	Clay Lowland (pe35-37)	4	.32	.32	5	4	86
Ju:JUDSON-----	95	N/A	2e	All areas are prime farmland	B	Loamy Lowland (pe30-37)	7	.28	.28	5	6	48
Ke:KENNEBEC-----	89	N/A	2w	All areas are prime farmland	B	Loamy Lowland (pe30-37)	7	.28	.28	5	6	48
Kf:KENNEBEC-----	85	N/A	5w	Not prime farmland	B	Loamy Lowland (pe30-37)	7	.28	.28	5	6	48
Kg:KENNEBEC-----	60	N/A	2w	Prime farmland if drained	B	Loamy Lowland (pe30-37)	7	.28	.28	5	6	48
Kg:COLO-----	30	N/A	N/A	Prime farmland if drained	B/D	Unspecified	7	.28	.28	5	6	48
Kn:KNOX-----	90	N/A	3e		B	Unspecified	7	.32	.32	5	6	48
Ky:KNOX-----	60	N/A	6e	Not prime farmland	B	Unspecified	7	.32	.32	5	6	48
Ky:GOSPORT-----	30	N/A	N/A	Not prime farmland	C	Unspecified	8	.43	.43	3	7	38

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								K	Kf	T		
M- W:MISCELLANEOUS WATER-----	100	N/A	N/A	Not prime farmland		Unspecified		---	---	-	---	---
Mc:MARTIN-----	85	N/A	3e	All areas are prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	5	7	38
Mw:MUSCOTAH-----	87	N/A	2w	All areas are prime farmland	D	Loamy Lowland (pe30-37)	7	.32	.32	5	6	48
No:NODAWAY-----	90	N/A	2w	All areas are prime farmland	B	Loamy Lowland (pe30-37)	7	.32	.32	5	6	48
Od:ONAWA-----	95	2w-	2w	Prime farmland if drained	D	Clay Lowland (pe35-37)	4	.32	.32	5	4	86
On:ONAWA-----	53	2w-	2w	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season	D	Clay Lowland (pe35-37)	4	.32	.32	5	4	86
On:WALDRON-----	43	2w-	2w	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season	D	Clayey Overflow - Veg. Zone 3	5	.32	.32	5	4L	86
Ow:ONAWET-----	95	N/A	5w	Not prime farmland	D	Unspecified	4	.32	.32	5	4	86
Pa:KNOX-----	50	N/A	3e	Not prime farmland	B	Unspecified	7	.32	.32	5	6	48
Pa:PALERMO-----	50	N/A	4e	Not prime farmland	B	Unspecified	7	.37	.37	5	6	48
Pb:PALERMO-----	95	N/A	4e	Not prime farmland	B	Unspecified	7	.37	.37	5	6	48
Pc:PAWNEE-----	85	N/A	3e	Not prime farmland	D	Clay Upland (pe30-37)	7	.37	.37	5	6	48
Pd:PAWNEE-----	90	N/A	4e	Not prime farmland	D	Clay Upland (pe30-37)	4	.37	.37	5	4	86
Pt:Pits, quarries-----	100	N/A	N/A	Not prime farmland		Unspecified		---	---	-	---	0

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								K	Kf	T		
Re:READING-----	90	N/A	1	All areas are prime farmland	B	Loamy Lowland (pe35-42)	7	.32	.32	5	6	48
Sb:SHARPSBURG---	85	N/A	2e	All areas are prime farmland	B	Loamy Upland (pe30-37)	8	.32	.32	5	7	38
Sc:SHARPSBURG---	85	N/A	3e	Not prime farmland	B	Loamy Upland (pe30-37)	8	.32	.32	5	7	38
Sh:SHELBY-----	85	N/A	3e	Not prime farmland	B	Loamy Upland (pe30-37)	7	.28	.28	5	6	48
Sm:SHELBY-----	88	N/A	4e	Not prime farmland	B	Loamy Upland (pe30-37)	7	.32	.32	5	6	48
Ss:SHELBY-----	55	N/A	6e	Not prime farmland	B	Loamy Upland (pe30-37)	7	.28	.28	5	6	48
Ss:STEINAUER----	35	N/A	N/A	Not prime farmland	B	Limy Upland (pe30-37)	5	.32	.32	5	4L	86
Vr:ROCK OUTCROP-	60	N/A	8	Not prime farmland		Unspecified		---	---	-	---	0
Vr:VINLAND-----	26	N/A	6e	Not prime farmland	D	Loamy Upland (pe35-42)	8	.32	.32	2	7	38
Vs:VINLAND-----	85	N/A	6e	Not prime farmland	D	Loamy Upland (pe30-37)	8	.32	.32	2	7	38
W:WATER-----	100	N/A	N/A			Unspecified		---	---	-	---	---
Wa:WABASH-----	85	N/A	3w	Prime farmland if drained	D	Clay Lowland (pe30-37)	8	.37	.37	5	7	38
Wb:WABASH-----	90	N/A	3w	Prime farmland if drained	D	Clay Lowland (pe30-37)	4	.28	.28	5	4	86
Wg:WAMEGO-----	50	N/A	6e	Not prime farmland	C	Clay Upland (pe30-37)	8	.32	.32	3	7	38
Wg:VINLAND-----	40	N/A	6e	Not prime farmland	D	Shallow Savannah (pe30-37)	8	.32	.32	2	7	38
Wh:WATHENA-----	55	N/A	4w	Not prime farmland	B	Sandy Lowland (pe35-37)	2	.17	.17	5	2	134
Wh:HAYNIE-----	40	2w-	2w	Not prime farmland	B	Loamy Lowland (pe35-37)	5	.37	.37	5	4L	86
Wm:WYMORE-----	90	N/A	3e	All areas are prime farmland	D	Loamy Lowland (pe30-37)	8	.37	.37	5	7	38
Wn:WYMORE-----	82	N/A	4e	Not prime farmland	D	Loamy Lowland (pe30-37)	8	.37	.37	5	7	38

