

Osage County, Kansas: Published  
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 erodi- bility group	Wind erodi- bility index
								K	Kf	T		
045KC:KENNEBEC--	88	N/A	5w	Not prime farmland	B	Loamy Lowland (pe30-37)	8	.28	.28	5	7	38
045MO:MARTIN----	40	N/A	3e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	5	7	38
045MO:OSKA-----	30	N/A	3e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	2	7	38
045OE:OSKA-----	88	N/A	3e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	2	7	38
045SW:SOGN-----	55	N/A	7s		D	Shallow Limy (pe30-37)	5	.32	.32	1	4L	86
045SW:VINLAND---	30	N/A	6s		D	Loamy Upland (pe30-37)	8	.32	.32	2	7	38
045SX:ROCK OUTCROP-----	60	N/A	8	Not prime farmland		Unspecified		---	---	-	---	0
045SX:VINLAND---	26	N/A	6e	Not prime farmland	D	Loamy Upland (pe35-42)	8	.32	.32	2	7	38
045VM:VINLAND---	40	N/A	6e	Not prime farmland	D	Loamy Upland (pe35-42)	8	.32	.32	2	7	38
045VM:MARTIN----	25	N/A	4e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	5	7	38
045WS:WOODSON---	90	N/A	3e	All areas are prime farmland	D	Clay Upland (pe35-42)	7	.43	.43	4	6	48
059CM:CLARESON--	55	N/A	6e	Not prime farmland	C	Shallow Flats (pe35-42)	8	.32	.32	2	7	38
059CM:ERAM-----	30	N/A	6e	Not prime farmland	C	Clay Upland (pe35-42)	8	.37	.37	3	7	38
059EA:ERAM-----	55	N/A	6e	Not prime farmland	C	Clay Upland (pe35-42)	8	.37	.37	3	7	38
059EA:LEBO-----	35	N/A	6e	Not prime farmland	B	Loamy Upland (pe35-42)	8	.32	.32	3	7	38
059EC:ERAM-----	60	N/A	4e	Not prime farmland	C	Clay Upland (pe35-42)	8	.37	.37	3	7	38
059EC:LULA-----	25	N/A	3e	Not prime farmland	B	Loamy Upland (pe35-42)	7	.37	.37	3	6	48
111CA:CHASE-----	100	N/A	2w	All areas are prime farmland	C	Loamy Lowland (pe35-42)	8	.37	.37	5	7	38
111EA:ELMONT----	100	N/A	2e	All areas are prime farmland	B	Loamy Upland (pe35-42)	7	.32	.32	4	6	48

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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 erodi- bility group	Wind erodi- bility index
								K	Kf	T		
111EF:ERAM-----	60	N/A	6e	Not prime farmland	C	Clay Upland (pe35-42)	7	.43	.43	3	6	48
111EF:BATES-----	40	N/A	3e	Not prime farmland	B	Loamy Upland (pe35-42)	6	.32	.32	3	5	56
177AN:KENNEBEC--	90	N/A	5w	Not prime farmland	B	Loamy Lowland (pe30-37)	7	.28	.28	5	6	48
177BK:MARTIN----	54	N/A	6e	Not prime farmland	C	Loamy Upland (pe30-37)	8	.37	.37	5	7	38
177BK:KENNEBEC--	43	N/A	5w	Not prime farmland	B	Loamy Lowland (pe30-37)	7	.28	.28	5	6	48
177BR:FLUVENTS--	97	N/A	6w	Not prime farmland		Unspecified	8	.32	.32	5	7	38
177DM:DWIGHT----	60	N/A	4e	Not prime farmland	D	Clay Pan (pe35- 42)	8	.43	.43	5	7	38
177DM:MARTIN----	30	N/A	3e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	5	7	38
177DW:DWIGHT----	85	N/A	4e	Not prime farmland	D	Clay Pan (pe35- 42)	8	.43	.43	5	7	38
177EN:ELMONT----	90	N/A	4e	Not prime farmland	B	Limy Upland (pe35-42)	7	.32	.32	5	6	48
177LB:LABETTE---	85	N/A	3e	All areas are prime farmland	C	Limy Upland (pe35-42)	8	.37	.37	2	7	38
177LC:LABETTE---	95	N/A	3e	Not prime farmland	C	Limy Upland (pe35-42)	8	.37	.37	2	7	38
177LD:LADYSMITH-	90	N/A	2s	All areas are prime farmland	D	Clay Upland (pe35-42)	8	.37	.37	5	7	38
177LM:LADYSMITH-	85	N/A	3e	All areas are prime farmland	D	Clay Upland (pe35-42)	8	.37	.37	5	7	38
177LS:LADYSMITH-	100	N/A	4e	All areas are prime farmland	D	Clay Upland (pe35-42)	8	.37	.37	5	7	38
177MF:MARTIN----	90	N/A	4e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	5	7	38
177RE:READING---	85	N/A	1	All areas are prime farmland	B	Loamy Lowland (pe30-37)	8	.32	.32	5	7	38
177SU:SIBLEYVILL E-----	90	N/A	4e	Not prime farmland	B	Loamy Upland (pe35-42)	7	.32	.32	3	6	48
177SV:SOGN-----	55	N/A	7s	Not prime farmland	D	Shallow Limy (pe35-42)	5	.32	.32	1	4L	86
177SV:VINLAND---	25	N/A	6s	Not prime farmland	D	Limy Upland (pe35-42)	8	.32	.32	2	7	38

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								K	Kf	T		
177SW:STONY STEEP LAND-----	60	N/A	8	Not prime farmland		Unspecified		---	---	-	---	---
177SW:VINLAND---	26	N/A	6e	Not prime farmland	D	Loamy Upland (pe30-37)	8	.32	.32	2	7	38
197CE:CHASE-----	85	N/A	2w	All areas are prime farmland	C	Loamy Lowland (pe30-36)	8	.37	.37	5	7	38
197CS:CLIME-----	60	N/A	6e	Not prime farmland	C	Limy Upland (pe30-36)	4	.32	.32	3	4	86
197CS:SOGN-----	20	N/A	6e	Not prime farmland	D	Shallow Limy (pe30-36)	5	.32	.37	1	4L	86
197IB:IRWIN-----	80	N/A	3e	All areas are prime farmland	D	Clay Upland (pe30-36)	8	.32	.32	5	7	38
197WE:WAMEGO----	75	N/A	4e	Not prime farmland	C	Loamy Upland (pe30-37)	7	.32	.32	3	6	48
AED:ARENTS, EARTHEN DAM-----	100	N/A	8	Not prime farmland		Unspecified		---	---	-	---	---
Bd:BATES-----	90	N/A	3e	All areas are prime farmland	B	Loamy Upland (pe35-42)	6	.32	.32	3	5	56
Cm:CLARESON-----	55	N/A	6e	Not prime farmland	C	Shallow Flats (pe35-42)	8	.32	.32	2	7	38
Cm:ERAM-----	30	N/A	6e	Not prime farmland	C	Clay Upland (pe35-42)	8	.37	.37	3	7	38
Cs:CLIME-----	65	N/A	6e	Not prime farmland	C	Limy Upland (pe35-42)	4	.37	.37	3	4	86
Cs:SOGN-----	20	N/A	6s	Not prime farmland	D	Shallow Limy (pe35-42)	5	.32	.32	1	4L	86
Dn:DENNIS-----	90	N/A	3e	All areas are prime farmland	C	Loamy Upland (pe35-42)	7	.43	.43	5	6	48
Ds:DWIGHT-----	90	N/A	4e	Not prime farmland	D	Clay Pan (pe35- 42)	7	.43	.43	5	6	48
EL:ELMONT-----	90	N/A	3e	All areas are prime farmland	B	Limy Upland (pe35-42)	7	.32	.32	5	6	48
Ed:ELMONT-----	85	N/A	3e	All areas are prime farmland	B	Loamy Upland (pe35-42)	7	.32	.32	5	6	48
En:ERAM-----	85	N/A	4e	Not prime farmland	C	Clay Upland (pe35-42)	8	.37	.37	3	7	38
Er:ERAM-----	85	N/A	4e	Not prime farmland	C	Clay Upland (pe35-42)	8	.32	.32	3	7	38
INT:AQUOLLS-----	100	N/A	5w	Not prime farmland	C	Unspecified		---	---	-	---	0

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								K	Kf	T		
KB:KENNEBEC-----	95	N/A	2w	All areas are prime farmland	B	Loamy Lowland (pe35-42)	7	.28	.28	5	6	48
Ke:KENOMA-----	85	N/A	3e	All areas are prime farmland	D	Clay Upland (pe35-42)	7	.37	.37	3	6	48
LA:LABETTE-----	100	N/A	2e	All areas are prime farmland	C	Loamy Upland (pe30-36)	8	.37	.37	2	7	38
LU:LULA-----	85	N/A	2e	All areas are prime farmland	C	Loamy Upland (pe35-42)	7	.37	.37	3	6	48
Ln:LEBO-----	75	N/A	7e	Not prime farmland	B	Loamy Upland (pe35-42)	9	.24	.64	3	8	0
Ln:ROCK OUTCROP-	15	N/A	8e	Not prime farmland	D	Unspecified		---	---	-	---	0
Ls:LEBO-----	55	N/A	6e	Not prime farmland	B	Loamy Upland (pe35-42)	8	.32	.37	3	7	38
Ls:SUMMIT-----	35	N/A	3e	Not prime farmland	C	Loamy Upland (pe35-42)	4	.37	.37	5	4	86
M- W:MISCELLANEOUS WATER-----	100	N/A	N/A	Not prime farmland		Unspecified		---	---	-	---	---
MA:MARTIN-----	85	N/A	3e	All areas are prime farmland	C	Loamy Upland (pe35-42)	8	.37	.37	5	7	38
Mb:MASON-----	85	N/A	1	All areas are prime farmland	B	Loamy Lowland (pe35-42)	7	.37	.37	5	6	48
Oe:OLPE-----	55	N/A	4e	Not prime farmland	C	Loamy Upland (pe35-42)	8	.43	.43	5	7	38
Oe:KENOMA-----	30	N/A	3e	Not prime farmland	D	Clay Upland (pe35-42)	7	.43	.43	3	6	48
Op:ARENTS-----	100	N/A	7s	Not prime farmland	D	Unspecified		.32	.49	5	---	---
Os:OSAGE-----	85	N/A	2w	Prime farmland if drained	D	Clay Lowland (pe35-42)	4	.37	.37	5	4	86
Ov:OSAGE-----	90	N/A	3w	Prime farmland if drained	D	Clay Lowland (pe35-42)	4	.28	.28	5	4	86
Ow:OSAGE-----	85	N/A	5w	Not prime farmland	D	Clay Lowland (pe35-42)	4	.28	.28	5	4	86
Pt:Pits, quarries-----	100	N/A	N/A	Not prime farmland		Unspecified		---	---	-	---	0

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								K	Kf	T		
SI:SIBLEYVILLE--	90	N/A	3e	All areas are prime farmland	B	Loamy Upland (pe35-42)	7	.32	.32	3	6	48
Sn:SUMMIT-----	100	N/A	2e	All areas are prime farmland	C	Loamy Upland (pe35-42)	4	.37	.37	5	4	86
So:SUMMIT-----	90	N/A	3e	All areas are prime farmland	C	Loamy Upland (pe35-42)	4	.37	.37	5	4	86
Vb:VERDIGRIS----	90	N/A	2w	All areas are prime farmland	B	Loamy Lowland (pe35-42)	7	.32	.32	5	6	48
Vc:VERDIGRIS----	88	N/A	5w	Not prime farmland	B	Loamy Lowland (pe35-42)	7	.32	.32	5	6	48
W:WATER-----	100	N/A	N/A			Unspecified		---	---	-	---	---
Wo:WOODSON-----	100	N/A	2s	All areas are prime farmland	D	Clay Upland (pe35-42)	7	.43	.43	4	6	48

