KNOTT AND LETCHER COUNTIES HEL SOIL DATABASE (10/2015)

SOIL SERIES	MAP SYMBOLS	SURFACE TEXTURE	Kw (K)	Kf	T factor	RUSLE R factor	USLE R factor	CRL. LS	SLOPE length RANGE	SLOPE LENGTH	% SLOPE USED	LS FACTOR	HEL DET. HE- highly erodible N - not erodible	HYDRI DET. H - hydric I - inclusions N - not hydric
Allegheny	AlC	loam	0.32	0.32	5	145	150	0.833	100-200	150	9	1.45	HE	I - inclusions
Alticrest-Ramsey-Wallen	AtF					145	150		50-100	75	38	10.03	HE	N
Alticrest		sl	0.15	0.15	2	145	150	0.711						
Ramsey		sl	0.24	0.24	1	145	150	0.222						
Wallen		cn-sl	0.1	0.15	2	145	150	1.067						
Berks-Canneyville	BcG					145	150		50-100	75	85	>20.02	HE	N
Berks		cn-sil	0.2	0.37	2	145	150	0.533						
Caneyville		sil	0.37	0.37	2	145	150	0.288						
Caneyville-Renox-Bledsoe	CbF					145	150		50-100	75	65	>20.02	HE	N
Caneyville		sicl	0.28	0.28	2	145	150	0.381						
Renox		sil	0.32	0.32	5	145	150	0.833						
Bledsoe		sil	0.43	0.43	4	145	150	0.496						
Cloverlick-Guyandotte-Highsp	CgF					145	150		50-100	75	58	19.06	HE	N
Cloverlick		gr-loam	0.15	0.2	5	145	150	1.778						
Guyandotte		cnv-loam	0.05	0.2	5	145	150	5.333						
Highsplint		cnv-loam	0.05	0.24	5	145	150	5.333						
Cloverlick-Kimper-Highsplint	CkF					145	150		50-100	75	48	14.35	HE	N
Cloverlick		cn-loam	0.17	0.28	5	145	150	1.569						
Kimper		sil	0.37	0.37	5	145	150	0.721						
Highsplint		cn-sil	0.2	0.32	5	145	150	1.333						
Cloverlick-Shelocta-Kimper	CsF					145	150		25-125	75	45	13.18	HE	N
Cloverlick		cn-loam	0.1	0.2	5	145	150	2.667						
Shelocta		sil	0.37	0.37	4	145	150	0.577						
Kimper		cnv-loam	0.1	0.24	5	145	150	2.667						
Dam	DAM					145	150							
Matewan-Gilpin-Marrowbone	DgF					145	150		50-100	75	50	15.23	HE	N
Matewan		cn-fsl	0.05	0.1	2	145	150	2.133						
Gilpin		cn-sil	0.24	0.37	2	145	150	0.444						
Marrowbone		fsl	0.2	0.2	2	145	150	0.533						
Dekalb-Gilpin-Rayne	DrF					145	150		50-100	75	45	13.18	HE	N
Dekalb		cn-sl	0.05	0.1	2	145	150	2.133						
Gilpin		loam	0.24	0.24	3	145	150	0.667						
Rayne		sil	0.37	0.37	3	145	150	0.432						

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Fedscreek-Shelocta-Handsho	FaF					145	150		50-100	75	55	17.83	HE	N
Fedscreek		sl	0.32	0.32	4	145	150	0.667						
Shelocta		sil	0.15	0.15	5	145	150	1.778						
Handshoe		cnv-loam	0.1	0.28	5	145	150	2.667						
Fiveblock and Kaymine	FkE					145	150		50-150	100	15	2.57	HE	N
Fiveblock		cn-sl	0.05	0.15	5	145	150	5.333						
Kaymine		cn-sil	0.15	0.37	5	145	150	1.778						
Gilpin-Shelocta	GlD					145	150		50-150	100	20	4.08	HE	N
Gilpin		loam	0.24	0.24	3	145	150	0.667						
Shelocta		sil	0.32	0.32	4	145	150	0.667						
Gilpin-Summers-Kimper	GmF					145	150		50-100	75	38	10.03	HE	N
Gilpin		loam	0.24	0.24	3	145	150	0.667						
Summers		flv-loam	0.05	0.24	2	145	150	2.133						
Kimper		sil	0.37	0.37	3	145	150	0.432						
Handshoe-Fedscreek-Marro-	HaF					145	150		50-150	100	55	20.49	HE	N
Handshoe		cnv-loam	0.1	0.28	5	145	150	2.667						
Fedscreek		cn-loam	0.24	0.32	4	145	150	0.889						
Marrowbone		fsl	0.2	0.2	2	145	150	0.533						
Helechawa-Varilla-Jefferson	HeF					145	150		50-150	100	55	20.49	HE	N
Helechawa		ls	0.05	0.05	5	145	150	5.333						
Varilla		gr-fsl	0.1	0.2	3	145	150	1.600						
Jefferson		gr-sil	0.2	0.32	5	145	150	1.333						
Highslpint-Shelocta-Dekalb	HsF					145	150		50-100	75	58	19.06	HE	N
Highsplint		cnv-sil	0.1	0.32	5	145	150	2.667						
Shelocta		cn-sil	0.24	0.32	4	145	150	0.889						
Dekalb		cn-sl	0.05	0.1	2	145	150	2.133						
Highsplint-Shelocta-Muse	HtF					145	150		50-100	75	55	17.83	HE	N
Highsplint		cn-sil	0.2	0.32	5	145	150	1.333						
Shelocta		cn-sil	0.24	0.32	4	145	150	0.889						
Muse		sil	0.49	0.49	4	145	150	0.435						
Holly	Hy	loam	0.24	0.24	5	145	150	1.111	25-200	110	1	0.13	N	H - hydric

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Kaymine-Fairpoint&Fiveblock	KfF					145	150		50-100	75	36	9.2	HE	N
Kaymine		cn-sil	0.15	0.37	5	145	150	1.778						
Fairpoint		cn-sicl	0.17	0.37	5	145	150	1.569						
Fiveblock		cn-sl	0.05	0.15	5	145	150	5.333						
Kimper-Cloverlick-Renox	KrF					145	150		50-100	75	55	17.83	HE	N
Kimper		sil	0.32	0.32	5	145	150	0.833						
Cloverlick		cn-loam	0.17	0.28	5	145	150	1.569						
Renox		sil	0.32	0.32	5	145	150	0.833						
Pits, quarries	Pt					145	150							N
Shelocta-Highsplint-Gilpin	ShF					145	150		50-250	100	45	16.57	HE	N
Shelocta		sil	0.37	0.37	4	145	150	0.577						
Highsplint		cnv-sil	0.1	0.32	5	145	150	2.667						
Gilpin		cn-sil	0.24	0.37	2	145	150	0.444						
Shelocta-Muse	SmF					145	150		50-100	75	33	7.99	HE	N
Shelocta		cn-sil	0.24	0.32	4	145	150	0.889						
Muse		sil	0.49	0.49	4	145	150	0.435						
Grigsby	uGrig	fsl	0.17	0.17	5	145	150	1.569	25-200	100	1	0.13	N	I - inclusions
Rowdy-Grigsby	uRgrB					145	150		25-200	100	4	0.4	N	I - inclusions
Rowdy		loam	0.32	0.32	5	145	150	0.833						
Grigsby		loam	0.32	0.32	5	145	150	0.833						
Udorthents-Urban land	uUdoC					145	150		100-200	150	9	1.45	N	N
Udorthents		cnv-sil	0.17	0.43	5	145	150	1.569						
Udorthents-Urban land	uUdoD					145	150		50-150	100	18	4.21	HE	N
Udorthents		cnv-sil	0.17	0.43	5	145	150	1.569						
Udorthents-Urban land-Grigsby	uUdrB					145	150		25-150	100	3	0.278	N	N
Udorthents		cnv-sil	0.15	0.43	5	145	150	1.778						
Grigsby		loam	0.32	0.32	5	145	150	0.833						
Udorthents-Urban land-RO	uUduE					145	150		50-150	100	25	5.89	HE	N
Udorthents		pcnx-sil	0.43	0.43	5	145	150	0.620						
Varilla-Jefferson-Alticrest	VaF					145	150		50-100	75	55	17.83	HE	I - inclusions
Varilla		cn-sl	0.1	0.15	5	145	150	2.667						
Jefferson		loam	0.24	0.24	4	145	150	0.889						
Alticrest		sl	0.15	0.15	2	145	150	0.711						
Water	W					145	150							