GARRARD-LINCOLN CO HEL SOIL DATABASE (10/2015)

Soil Name	Map Symbol	Surface Texture	Kw (K)	Kf	T	RUSLE R Factor	USLE R Factor	CRL LS (USLE)	SLOPE RANGE (feet)	Slope Length (feet)	% SLOPE ave.	LS Factor	HEL Det. HE - highly erodible N - not erodible	HYDRIC Det. H - hydric N - not hydric I - Inclusions
Allegheny	**AlB**	**l**	0.32	0.32	5	165	200	0.625	100-200	150	4	0.47	N	N
Allegheny	**AlC2**	**l**	0.32	0.32	5	165	200	0.625	100-200	150	9	1.45	HE	N
Beasley	**BaB**	**sil**	0.43	0.43	4	165	200	0.372	100-200	150	4	0.47	HE	N
Beasley	**BbC2**	**sicl**	0.32	0.32	4	165	200	0.500	100-200	150	9	1.45	HE	N
Berea	**BeB**	**sil**	0.37	0.37	2	165	200	0.216	100-250	200	4	0.53	HE	N
Boonesboro	**Bo**	**sil**	0.32	0.32	2	165	200	0.250	100-300	250	1	0.15	N	N
Caneyville	**CaE2**	**sil**	0.43	0.43	2	165	200	0.186	50-150	100	20	4.08	HE	N
Carpenter	**CeB**	**gr-sil**	0.28	0.37	4	165	200	0.571	100-200	150	4	0.47	N	N
Carpenter	**CeC**	**gr-sil**	0.28	0.37	4	165	200	0.571	100-200	150	9	1.45	HE	N
Carpenter-Lenburg Complex	**CgE2**		-------	-------	-------	-------	-------	-------	50-150	100	20	4.08	HE	N
Carpenter		**gr-sil**	0.28	0.37	4	165	200	0.571	-------	-------	-------	-------	-------	-------
Lenberg		**sil**	0.43	0.43	3	165	200	0.279	-------	-------	-------	-------	-------	-------
Chenault	**ChB**	**gr-sil**	0.28	0.37	3	165	200	0.429	100-250	200	4	0.53	HE	N
Chenault	**ChC**	**gr-sil**	0.28	0.32	3	165	200	0.429	100-200	150	9	1.45	HE	N
Chenault-Faywood Complex	**ClD2**		-------	-------	-------	-------	-------	-------	100-200	150	18	4.21	HE	N
Chenault		**gr-sil**	0.28	0.32	3	165	200	0.429	-------	-------	-------	-------	-------	-------
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Christian	**CmB**	**sil**	0.37	0.37	5	165	200	0.541	100-250	200	4	0.53	N	N
Christian	**CmC2**	**sil**	0.37	0.37	5	165	200	0.541	100-200	150	9	1.45	HE	N
Christian	**CoD2**	**sicl**	0.32	0.32	5	165	200	0.625	100-200	150	18	4.21	HE	N
Colyer-Trappist Complex	**CpF2**		-------	-------	-------	-------	-------	-------	50-150	100	45	15.24	HE	N
Colyer		**sicl**	0.28	0.28	1	165	200	0.143	-------	-------	-------	-------	-------	-------
Trappist		**sicl**	0.28	0.28	2	165	200	0.286	-------	-------	-------	-------	-------	-------
Crider	**CrB**	**sil**	0.37	0.37	5	165	200	0.541	200-300	250	4	0.575	HE	N
Crider	**CrC**	**sil**	0.37	0.37	5	165	200	0.541	100-250	150	9	1.45	HE	N
Culleoka	**CuB**	**sil**	0.37	0.37	2	165	200	0.216	100-200	150	4	0.47	HE	N
Culleoka	**CuC2**	**sil**	0.37	0.37	2	165	200	0.216	50-150	100	9	1.18	HE	N
Culleoka	**CuD2**	**sil**	0.37	0.37	2	165	200	0.216	50-150	100	16	2.84	HE	N
Cynthiana-Faywood Complex	**CyF2**		-------	-------	-------	-------	-------	-------	50-150	100	40	12.65	HE	N
Cynthiana		**sicl**	0.37	0.37	1	165	200	0.108	-------	-------	-------	-------	-------	-------
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
DAM	**DAM**		-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

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Soil Name	Map Symbol	Surface Texture	Kw (K)	Kf	T	RUSLE R Factor	USLE R Factor	CRL LS (USLE)	SLOPE RANGE (feet)	Slope Length (feet)	% SLOPE ave.	LS Factor	HEL Det. HE - highly erodible N - not erodible	HYDRIC Det. H - hydric N - not hydric I - Inclusions
Donerail	**DoB**	**sil**	0.37	0.37	5	165	200	0.541	150-250	200	4	0.53	**N**	N
Eden	**EdD2**	**fl-sicl**	0.2	0.32	3	165	200	0.600	100-200	150	16	3.48	HE	N
Eden-Culleoka Association	**EfF2**		-------	-------	-------	-------	-------	-------	50-150	100	40	12.65	HE	N
Eden		**fl-sicl**	0.2	0.32	3	165	200	0.600	-------	-------	-------	-------	-------	-------
Culleoka		**fl-sil**	0.2	0.32	2	165	200	0.400	-------	-------	-------	-------	-------	-------
Elk	**EkB**	**sil**	0.43	0.43	5	165	200	0.465	100-250	175	4	0.5	HE	N
Elk	**EkC**	**sil**	0.43	0.43	5	165	200	0.465	100-200	150	9	1.45	HE	N
Elk	**ErB**	**sil**	0.43	0.43	5	165	200	0.465	100-250	175	4	0.5	HE	N
Elk	**ErC**	**sil**	0.43	0.43	5	165	200	0.465	100-200	150	9	1.45	HE	N
Fairmount	**FaC2**	**sicl**	0.32	0.32	1	165	200	0.125	100-200	150	9	1.45	HE	N
Fairmount-Faywood-ROC Com	**FdF2**		-------	-------	-------	-------	-------	-------	50-150	100	40	12.65	HE	N
Fairmount		**sicl**	0.32	0.32	1		200	0.125	-------	-------	-------	-------	-------	-------
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Rock Outcrop	-------		-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
Faywood-Cynthiana Complex	**FeC2**		-------	-------	-------	-------	-------	-------	50-150	100	9	1.18	HE	N
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Cynthiana		**sicl**	0.37	0.37	1	165	200	0.108	-------	-------	-------	-------	-------	-------
Faywood-Cynthiana Complex	**FeD2**		-------	-------	-------	-------	-------	-------	50-150	100	18	3.43	HE	N
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Cynthiana		**sicl**	0.37	0.37	1	165	200	0.108	-------	-------	-------	-------	-------	-------
Faywood-Fairmount Complex	**FfC2**		-------	-------	-------	-------	-------	-------	50-150	100	9	1.18	HE	N
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Fairmount		**sicl**	0.32	0.32	1	165	200	0.125	-------	-------	-------	-------	-------	-------
Faywood-Fairmount Complex	**FfD2**		-------	-------	-------	-------	-------	-------	50-150	100	18	3.43	HE	N
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Fairmount		**sicl**	0.32	0.32	1	165	200	0.125	-------	-------	-------	-------	-------	-------
Faywood-Shrouts Complex	**FoD2**		-------	-------	-------	-------	-------	-------	50-150	100	18	3.43	HE	N
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Shrouts		**sicl**	0.32	0.32	3	165	200	0.375	-------	-------	-------	-------	-------	-------
Faywood-Shrouts Complex	**FoF2**		-------	-------	-------	-------	-------	-------	50-150	100	40	12.65	HE	N
Faywood		**sicl**	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Shrouts		**sicl**	0.32	0.32	3	165	200	0.375	-------	-------	-------	-------	-------	-------
Frankstown	**FrB**	**gr-sil**	0.24	0.43	3	165	200	0.500	100-200	150	4	0.47	**N**	N
Frankstown	**FrC**	**gr-sil**	0.24	0.43	3	165	200	0.500	50-150	100	9	1.18	HE	N

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Frankstown	FrD2	gr-sil	0.24	0.43	3	165	200	0.500	25-125	75	16	2.46	HE	N
Garlin-Shrouts Complex	GaC2		-------	-------	-------	-------	-------	-------	50-150	100	9	1.18	HE	N
Garlin		l	0.32	0.32	2	165	200	0.250					-------	-------
Shrouts		sicl	0.32	0.32	3	165	200	0.375					-------	-------
Garlin-Shrouts Complex	GaD2		-------	-------	-------	-------	-------	-------	50-150	100	18	3.43	HE	N
Garlin		l	0.32	0.32	2	165	200	0.250					-------	-------
Shrouts		sicl	0.32	0.32	3	165	200	0.375					-------	-------
Garmon	GmF	cn-sil	0.24	0.37	2	165	200	0.333	50-150	100	50	17.82	HE	N
Gilpin	GnB	sil	0.32	0.32	2	165	200	0.250	100-200	150	4	0.47	HE	N
Gilpin	GnC2	sil	0.32	0.32	2	165	200	0.250	100-200	150	9	1.45	HE	N
Greenbriar	GrB	sil	0.37	0.37	3	165	200	0.324	100-250	175	4	0.5	HE	N
Hagerstown	HgC	sil	0.32	0.32	5	165	200	0.625	100-200	150	9	1.45	HE	N
Jessietown	JeB	sil	0.37	0.37	2	165	200	0.216	100-200	150	4	0.47	HE	N
Jessietown	JeC	sil	0.37	0.37	2	165	200	0.216	100-200	150	9	1.45	HE	N
Johnsburg-Mullins Complex	Jm		-------	-------	-------	-------	-------	-------	100-200	150	1	0.14	**N**	**H - hydric**
Johnsburg		sil	0.43	0.43	3	165	200	0.279					-------	N
Mullins		sil	0.43	0.43	3	165	200	0.279					-------	**H**
Johnsburg-Robertsville Comple	Jr		-------	-------	-------	-------	-------	-------	100-200	150	1	0.14	**N**	**H - hydric**
Johnsburg		sil	0.43	0.43	3	165	200	0.279					-------	N
Robertsville		sil	0.49	0.49	3	165	200	0.245					-------	**H**
Lawrence	La	sil	0.43	0.43	4	165	200	0.372	50-200	150	1	0.14	**N**	**I - inclusions**
Lawrence-Robertsville Complex	Le		-------	-------	-------	-------	-------	-------	50-200	150	1	0.14	**N**	**H - hydric**
Lawrence		sil	0.43	0.43	4	165	200	0.372					-------	N
Robertsville		sil	0.49	0.49	3	165	200	0.245					-------	**H**
Lenberg	LgC2	sicl	0.37	0.37	3	165	200	0.324	50-150	100	9	1.18	HE	N
Lily	LlB	l	0.24	0.24	2	165	200	0.333	100-200	150	4	0.47	HE	N
Lily	LlC	l	0.24	0.24	2	165	200	0.333	100-200	150	9	1.45	HE	N
Lowell-Faywood Complex	LpD2		-------	-------	-------	-------	-------	-------	100-200	150	18	4.21	HE	N
Lowell		sil	0.37	0.37	3	165	200	0.324	-------	-------	-------	-------	-------	-------
Faywood		sicl	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------
Lowell-Faywood Complex	LtD2		-------	-------	-------	-------	-------	-------	100-200	150	16	3.48	HE	N
Lowell,Phos		sil	0.37	0.37	3	165	200	0.324	-------	-------	-------	-------	-------	-------
Faywood,Phos		sicl	0.32	0.32	2	165	200	0.250	-------	-------	-------	-------	-------	-------

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Soil Name	Map Symbol	Surface Texture	Kw (K)	Kf	T	RUSLE R Factor	USLE R Factor	CRL LS (USLE)	SLOPE RANGE (feet)	Slope Length (feet)	% SLOPE ave.	LS Factor	HEL Det. HE - highly erodible N - not erodible	HYDRIC Det. H - hydric N - not hydric I - Inclusions
Melvin	**Me**	**sil**	0.43	0.43	5	165	200	0.465	25-200	110	1	0.13	**N**	**H - hydric**
Monongahela	**MoB**	**l**	0.43	0.43	3	165	200	0.279	100-250	175	4	0.5	HE	N
Newark	**Ne**	**sil**	0.43	0.43	5	165	200	0.465	25-200	110	1	0.13	**N**	**I - inclusions**
Nicholson	**NhB**	**sil**	0.37	0.37	4	165	200	0.432	25-300	175	4	0.5	HE	N
Nicholson	**NhC2**	**sil**	0.37	0.37	4	165	200	0.432	100-200	150	9	1.45	HE	N
Nolin	**No**	**sil**	0.37	0.37	5	165	200	0.541	25-200	100	1	0.13	**N**	**I - inclusions**
Otwell	**OtB**	**sil**	0.49	0.49	4	165	200	0.327	100-250	175	4	0.5	HE	N
Otwell	**OwB**	**sil**	0.49	0.49	4	165	200	0.327	100-250	175	4	0.5	HE	N
Pricetown	**PrB**	**sil**	0.49	0.49	5	165	200	0.408	100-300	200	4	0.53	HE	N
Pricetown	**PrC**	**sil**	0.49	0.49	5	165	200	0.408	100-200	150	9	1.45	HE	N
Robertsville	**Rb**	**sil**	0.49	0.49	3	165	200	0.245	25-200	110	1	0.13	**N**	**H - hydric**
ROC-Fairmount Complex	**RoF**		-------	-------	-------	-------	-------	-------	50-200	110	55	20.00	HE	N
Rock Outcrop	-------		-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
Fairmount		**sicl**	0.32	0.32	1	165	200	0.125	-------	-------	-------	-------	-------	-------
Sandview	**SaB**	**sil**	0.43	0.43	5	165	200	0.465	100-200	150	4	0.47	HE	N
Sandview	**SaC**	**sil**	0.43	0.43	5	165	200	0.465	100-200	150	9	1.45	HE	N
Shrouts	**SeC2**	**sicl**	0.32	0.32	3	165	200	0.375	100-200	150	9	1.45	HE	N
Shrouts-Cynthiana Complex	**SfD3**		-------	-------	-------	-------	-------	-------	50-150	75	18	2.97	HE	N
Shrouts		**sic**	0.24	0.24	2	165	200	0.333	-------	-------	-------	-------	-------	-------
Cynthiana		**sicl**	0.37	0.37	1	165	200	0.108	-------	-------	-------	-------	-------	-------
Shrouts-Garlin-Cynthiana Comp	**SgF3**		-------	-------	-------	-------	-------	-------	50-150	75	40	10.94	HE	N
Shrouts		**sic**	0.24	0.24	2	165	200	0.333	-------	-------	-------	-------	-------	-------
Garlin		**l**	0.32	0.32	1	165	200	0.125	-------	-------	-------	-------	-------	-------
Cynthiana		**sicl**	0.37	0.37	1	165	200	0.108	-------	-------	-------	-------	-------	-------
Skidmore	**Sk**	**grv-sil**	0.15	0.43	5	165	200	1.333	50-200	100	1	0.13	**N**	N
Teddy	**TeB**	**sil**	0.43	0.43	4	165	200	0.372	100-300	200	4	0.53	HE	N
Tilsit	**TlB**	**sil**	0.43	0.43	3	165	200	0.279	100-300	200	4	0.53	HE	N
Tilsit	**TlC**	**sil**	0.43	0.43	3	165	200	0.279	100-200	150	9	1.45	HE	N
Trappist	**TpB**	**sil**	0.49	0.49	2	165	200	0.163	100-200	150	4	0.47	HE	N
Trappist	**TpC2**	**sicl**	0.28	0.28	2	165	200	0.286	100-200	150	9	1.45	HE	N
Trappist-Colyer Complex	**TrD2**		-------	-------	-------	-------	-------	-------	50-150	75	18	2.97	HE	N
Trappist			0.28	0.28	2	165	200	0.286	-------	-------	-------	-------	-------	-------
Colyer			0.28	0.28	1	165	200	0.143	-------	-------	-------	-------	-------	-------

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Bluegrass-Maury	**uBlmB**		-------	-------	-------	165	200		25-275	150	4	0.47	HE	N
Bluegrass		**sil**	0.43	0.43	5	165	200	0.465	-------	-------	-------	-------	-------	-------
Maury		**sil**	0.43	0.43	5	165	200	0.465	-------	-------	-------	-------	-------	-------
Lowell-Bluegrass	**uLbiB**		-------	-------	-------	165	200		100-300	150	4	0.47	HE	N
Lowell		**sil**	0.49	0.49	3	165	200	0.245	-------	-------	-------	-------	-------	-------
Bluegrass		**sil**	0.43	0.43	5	165	200	0.465	-------	-------	-------	-------	-------	-------
Lowell-Faywood	**uLfC**		-------	-------	-------	165	200		100-250	150	9	1.45	HE	N
Lowell		**sil**	0.49	0.49	3	165	200	0.245	-------	-------	-------	-------	-------	-------
Faywood		**sil**	0.43	0.43	2	165	200	0.186	-------	-------	-------	-------	-------	-------
Lowell-Sandview	**uLsoB**		-------	-------	-------	165	200		100-300	150	4	0.47	HE	N
Lowell		**sil**	0.49	0.49	3	165	200	0.245	-------	-------	-------	-------	-------	-------
Sandview		**sil**	0.43	0.43	5	165	200	0.465	-------	-------	-------	-------	-------	-------
Maury-Bluegrass	**uMlmC**		-------	-------	-------	165	200		25-275	150	9	1.45	HE	N
Maury		**sil**	0.43	0.43	5	165	200	0.465	-------	-------	-------	-------	-------	-------
Bluegrass		**sil**	0.43	0.43	5	165	200	0.465	-------	-------	-------	-------	-------	-------
Yosemite	**Yo**	**gr-sil**	0.17	0.37	3	165	200	0.706	25-200	110	1	0.13	**N**	**I - inclusions**