CALDWELL COUNTY HEL SOIL DATABASE (Rev. 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 | HYDRIC-DET. H-hydric I-inclusions N-not hydric |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brandon | BrD2 | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | 50-200 | 100 | 16 | 2.84 | HE-highly erodible | N-not hydric |
| Crider | CrA | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 100-300 | 200 | 1 | 0.16 | N- not erodible | N-not hydric |
| Crider | CrB2 | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 100-300 | 200 | 4 | 0.528 | N- not erodible | N-not hydric |
| Crider | CrC2 | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 100-300 | 150 | 9 | 1.45 | HE-highly erodible | N-not hydric |
| Crider | CrC3 | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | 125-300 | 150 | 9 | 1.45 | HE-highly erodible | N-not hydric |
| Crider | CrD2 | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 100-200 | 100 | 16 | 2.84 | HE-highly erodible | N-not hydric |
| Crider-Baxter | CtE3 | | | | | 220 | 200 | | 50-200 | 125 | 21 | 4.5 | HE-highly erodible | N-not hydric |
| Crider | | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | | | | | | |
| Baxter | | GR-SIL | 0.24 | 0.24 | 4 | 220 | 200 | 0.67 | | | | | | |
| Crider-Urban Land | CuC | | | | | 220 | 200 | | 200-400 | 300 | 7 | 1.44 | HE-highly erodible | N-not hydric |
| Crider | | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | | | | | | |
| Urban Land | | | | | | 220 | 200 | | | | | | | |
| Dam | DAM | | | | | 220 | 200 | | | | | | | |
| Dekalb-Westmoreland-Gilpin | DwF | | | | | 220 | 200 | | 50-150 | 80 | 40 | 11.32 | HE-highly erodible | N-not hydric |
| Dekalb | | CN-SIL | 0.15 | 0.32 | 2 | 220 | 200 | 0.53 | | | | | | |
| Westmoreland | | SIL | 0.37 | 0.37 | 4 | 220 | 200 | 0.43 | | | | | | |
| Gilpin | | L | 0.32 | 0.32 | 3 | 220 | 200 | 0.38 | | | | | | |
| Elk | EkB | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 100-300 | 150 | 2.5 | 0.276 | N- not erodible | N-not hydric |
| Fredonia | FvD2 | | | | | 220 | 200 | | 50-150 | 100 | 16 | 2.84 | HE-highly erodible | N-not hydric |
| Fredonia | | SIL | 0.43 | 0.43 | 2 | 220 | 200 | 0.19 | | | | | | |
| Vertrees | | SIL | 0.49 | 0.49 | 5 | 220 | 200 | 0.41 | | | | | | |
| Haymond | Ha | SIL | 0.43 | 0.43 | 5 | 220 | 200 | 0.47 | 100-300 | 250 | 1 | 0.17 | N- not erodible | N-not hydric |
| Henshaw | He | SIL | 0.43 | 0.43 | 5 | 220 | 200 | 0.47 | 100-300 | 250 | 1.5 | 0.22 | N- not erodible | N-not hydric |
| Karnak | Ks | SIC | 0.24 | 0.24 | 5 | 220 | 200 | 0.83 | 25-500 | 200 | 0.5 | 0.11 | N- not erodible | H-hydric |
| Lindside | Ld | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 200-400 | 300 | 1 | 0.18 | N- not erodible | N-not hydric |
| Lindside - ponded | Lp | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 50-300 | 300 | 1 | 0.18 | N- not erodible | N-not hydric |
| Lowell-Faywood | LwE2 | | | | | 220 | 200 | | 100-200 | 150 | 21 | 5.2 | HE-highly erodible | N-not hydric |
| Lowell | | SIL | 0.37 | 0.37 | 3 | 220 | 200 | 0.32 | | | | | | |
| Faywood | | SICL | 0.32 | 0.32 | 2 | 220 | 200 | 0.25 | | | | | | |
| Melvin | Me | SIL | 0.43 | 0.43 | 5 | 220 | 200 | 0.47 | 200-400 | 300 | 1 | 0.18 | N- not erodible | H-hydric |
| McGary | Mg | SIL | 0.43 | 0.43 | 5 | 220 | 200 | 0.47 | 200-400 | 300 | 1 | 0.18 | N- not erodible | I-inclusions |
| Mullins | Mu | SIL | 0.37 | 0.37 | 4 | 220 | 200 | 0.43 | 200-400 | 300 | 1 | 0.18 | N- not erodible | H-hydric |
| Newark | Ne | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 200-400 | 300 | 1 | 0.18 | N- not erodible | I-inclusions |
| Nicholson | NhB2 | SIL | 0.37 | 0.37 | 4 | 220 | 200 | 0.43 | 100-300 | 200 | 4 | 0.528 | HE-highly erodible | N-not hydric |
| Nicholson | NhC2 | SIL | 0.37 | 0.37 | 4 | 220 | 200 | 0.43 | 100-300 | 150 | 9 | 1.45 | HE-highly erodible | N-not hydric |
| Nicholson | NhC3 | SIL | 0.43 | 0.43 | 2 | 220 | 200 | 0.19 | 100-300 | 150 | 9 | 1.45 | HE-highly erodible | N-not hydric |

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| 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 | HYDRIC-DET. H-hydric I-inclusions N-not hydric |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nolin | No | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 100-300 | 300 | 1 | 0.18 | N- not erodible | N-not hydric |
| Nolin - ponded | Np | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 50-300 | 300 | 1 | 0.18 | N- not erodible | N-not hydric |
| Otwood | OtA | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | 100-300 | 250 | 1 | 0.17 | N- not erodible | N-not hydric |
| Otwood | OtB2 | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | 100-300 | 200 | 4 | 0.528 | HE-highly erodible | N-not hydric |
| Pits, quarry | Pq | | | | | 220 | 200 | | | | | | | |
| Rock outcrop-Cynthiana | RcE | | | | | 220 | 200 | | 50-150 | 100 | 30 | 7.95 | HE-highly erodible | N-not hydric |
| Rock outcrop | | | | | | 220 | 200 | | | | | | | |
| Cynthiana | | SICL | 0.32 | 0.32 | 1 | 220 | 200 | 0.13 | | | | | | |
| Rock outcrop-Dekalb-Ramsey | RdF | | | | | 220 | 200 | | 50-150 | 100 | 70 | 28.53 | HE-highly erodible | N-not hydric |
| Rock outcrop | | | | | | 220 | 200 | | | | | | | |
| Dekalb | | CN-SIL | 0.15 | 0.32 | 2 | 220 | 200 | 0.53 | | | | | | |
| Ramsey | | L | 0.37 | 0.37 | 1 | 220 | 200 | 0.11 | | | | | | |
| Sadler | SaA | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.28 | 100-350 | 250 | 1 | 0.17 | N- not erodible | N-not hydric |
| Sadler | SaB2 | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | 100-350 | 250 | 4 | 0.575 | HE-highly erodible | N-not hydric |
| Skidmore | Sk | GR-L | 0.17 | 0.24 | 5 | 220 | 200 | 1.18 | 100-200 | 150 | 1 | 0.139 | N- not erodible | N-not hydric |
| Udarents, loamy | Ua | | | | | 220 | 200 | | | | | | | |
| Belknap | uBelA | SIL | 0.49 | 0.49 | 5 | 220 | 200 | 0.41 | 25-300 | 200 | 0.5 | 0.11 | N- not erodible | I-inclusions |
| Blackford | uBlaA | SIL | 0.49 | 0.49 | 5 | 220 | 200 | 0.41 | 25-300 | 200 | 1 | 0.16 | N- not erodible | I-inclusions |
| Bonnie | uBonA | SIL | 0.49 | 0.49 | 5 | 220 | 200 | 0.41 | 25-300 | 200 | 0.5 | 0.11 | N- not erodible | H-hydric |
| Udarents, Mine spoil | Ud | CL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | | | 6 | | | |
| Urban land | Ur | | | | | 220 | 200 | | | | | | | |
| Robbs | uRobA | SIL | 0.37 | 0.37 | 4 | 220 | 200 | 0.43 | 100-300 | 150 | 1 | 0.15 | N- not erodible | I-inclusions |
| Sharon | uShaA | SIL | 0.43 | 0.43 | 5 | 220 | 200 | 0.47 | 25-300 | 200 | 1 | 0.16 | N- not erodible | I-inclusions |
| Water | W | | | | | 220 | 200 | | | | | | | |
| Wellston | WeC2 | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 50-200 | 150 | 9 | 1.45 | HE-highly erodible | N-not hydric |
| Wellston | WeD2 | SIL | 0.37 | 0.37 | 5 | 220 | 200 | 0.54 | 50-150 | 100 | 16 | 2.84 | HE-highly erodible | N-not hydric |
| Westmoreland-Dekalb-Gilpin | WgD | | | | | 220 | 200 | | 50-150 | 100 | 16 | 2.84 | HE-highly erodible | N-not hydric |
| Westmoreland | | SIL | 0.37 | 0.37 | 4 | 220 | 200 | 0.43 | | | | | | |
| Dekalb | | CN-SIL | 0.15 | 0.32 | 2 | 220 | 200 | 0.53 | | | | | | |
| Gilpin | | L | 0.32 | 0.32 | 3 | 220 | 200 | 0.38 | | | | | | |
| Wilbur | Wr | SIL | 0.43 | 0.43 | 5 | 220 | 200 | 0.47 | 100-300 | 200 | 1 | 0.16 | N- not erodible | N-not hydric |
| Zanesville | ZaB2 | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | 100-300 | 200 | 4 | 0.528 | HE-highly erodible | N-not hydric |
| Zanesville | ZaC2 | SIL | 0.43 | 0.43 | 4 | 220 | 200 | 0.37 | 100-250 | 200 | 10 | 1.94 | HE-highly erodible | N-not hydric |
| Zanesville | ZaC3 | SIL | 0.43 | 0.43 | 2 | 220 | 200 | 0.19 | 50-300 | 200 | 10 | 1.94 | HE-highly erodible | N-not hydric |
| Zanesville | ZaD3 | SIL | 0.49 | 0.49 | 2 | 220 | 200 | 0.16 | 100-250 | 150 | 16 | 3.48 | HE-highly erodible | N-not hydric |