

Physical Soil Properties

Benton County, Arkansas

[Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated]

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|--------------------------|-----------|------------|------------|------------|--------------------|----------------------------------|--------------------------|----------------------|----------------|-----------------|-----|---|------------------------|------------------------|
| | | | | | | | | | | Kw | Kf | T | | |
| | <i>In</i> | <i>Pct</i> | <i>Pct</i> | <i>Pct</i> | <i>g/cc</i> | <i>micro m/sec</i> | <i>In/In</i> | <i>Pct</i> | <i>Pct</i> | | | | | |
| CeC: | | | | | | | | | | | | | | |
| Cane | 0-5 | --- | --- | 7-18 | 1.45-1.65 | 4.00-14.00 | 0.10-0.18 | 0.0-2.9 | 0.5-2.0 | .32 | .32 | 4 | 5 | 56 |
| | 5-22 | --- | --- | 18-35 | 1.40-1.60 | 4.00-14.00 | 0.14-0.19 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | | | |
| | 22-79 | --- | --- | 18-35 | 1.60-1.75 | 0.42-1.40 | 0.05-0.08 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |