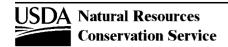
## **Chemical Soil Properties**

## Benton County, Arkansas

[Absence of an entry indicates that data were not estimated]

| Map symbol and soil name | Depth | Cation-<br>exchange<br>capacity | Effective<br>cation-<br>exchange<br>capacity | Soil<br>reaction | Calcium<br>carbon-<br>ate | Gypsum | Salinity | Sodium<br>adsorption<br>ratio |
|--------------------------|-------|---------------------------------|--|------------------|---------------------------|--------|----------|-------------------------------|
|                          | In    | meq/100 g                       | meq/100 g                                    | pН               | Pct                       | Pct    | mmhos/cm | •                             |
| NeB:                     |       |                                 |  |                  |                           |        |          |                               |
| Newtonia                 | 0-12  | 8.9-20                          |  | 5.6 - 6.5        | 0                         | 0      | 0.0-2.0  | 0                             |
|                          | 12-16 | 17-28                           |  | 5.1 - 6.5        | 0                         | 0      | 0.0-2.0  | 0                             |
|                          | 16-26 | 19-27                           |  | 5.1 - 6.0        | 0                         | 0      | 0.0-2.0  | 0                             |
|                          | 26-54 | 23-32                           |  | 5.1 - 6.0        | 0                         | 0      | 0.0      | 0                             |
|                          | 54-80 | 22-36                           |  | 5.1 - 7.3        | 0                         | 0      | 0.0-2.0  | 0                             |
| Dennis                   | 0-13  | 7.0-17                          |  | 5.1 - 6.0        | 0                         | 0      | 0.0      | 0                             |
|                          | 13-17 | 17-21                           | 17-21  | 4.5 - 6.0        | 0                         | 0      | 0.0      | 0                             |
|                          | 17-44 | 21-33                           |  | 5.1 - 8.4        | 0                         | 0      | 0.0      | 0                             |
|                          | 44-66 | 21-33                           |  | 5.1 - 8.4        | 0                         | 0      | 0.0      | 0                             |
| Peridge                  | 0-9   |                                 | 5.0-15                                       | 4.5 - 6.0        | 0                         | 0      | 0.0      | 0                             |
|                          | 9-42  |                                 | 10-20  | 4.5 - 6.0        | 0                         | 0      | 0.0      | 0                             |
|                          | 42-54 |                                 | 10-20  | 4.5 - 6.0        | 0                         | 0      | 0.0      | 0                             |
|                          | 54-60 |                                 | 15-40  | 4.5 - 6.0        | 0                         | 0      | 0.0      | 0                             |
|                          | 60-74 |                                 | 15-40  | 4.5 - 6.0        | 0                         | 0      | 0.0      | 0                             |
| Okemah                   | 0-11  | 14-19                           |  | 5.6 - 7.3        | 0                         | 0      | 0.0-1.0  | 0                             |
|                          | 11-20 | 11-19                           |  | 5.6 - 7.3        | 0                         | 0      | 0.0-1.0  | 0                             |
|                          | 20-40 | 18-29                           |  | 5.6 - 7.8        | 0                         | 0      | 0.0-1.0  | 0                             |
|                          | 40-62 | 18-29                           |  | 6.6 - 8.4        | 0-2                       | 0-2    | 0.0-1.0  | 0                             |



Survey Area Version: 15 Survey Area Version Date: 10/02/2017