**Table 3. Results of soil macronutrient analyses for the 16 direct seed and conventional/conservation tillage study locations in spring, 2013. Values are means across landscape positions and depths.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **GROWER** | **NO3-N** | **NH4-N** | **Olsen P** | **K** | **S** | **Ca** | **Mg** |
|  | mg kg-1 | meq 100 g-1 |
| **Bailey** | 40.0 | 18.6 | 25.7 | 563.8 | 10.5 | 10.6 | 2.4 |
| **Cochran** | 38.8 | 14.1 | 27.4 | 476.4 | 15.0 | 11.6 | 3.4 |
| **Esser** | 42.5 | 5.4 | 31.4 | 405.5 | 20.9 | 6.9 | 1.8 |
| **Druffel (tilled)** | 48.1 | 8.5 | 33.6 | 258.7 | 24.9 | 12.2 | 4.0 |
| **Hutchens** | 71.4 | 12.8 | 49.9 | 751.3 | 22.8 | 8.2 | 2.2 |
| **Sorensen (tilled)** | 31.3 | 4.7 | 15.2 | 448.1 | 4.1 | 13.9 | 2.0 |
| **Jensen** | 38.4 | 9.8 | 35.1 | 363.2 | 24.0 | 11.9 | 2.7 |
| **Koch** | 26.8 | 4.5 | 21.2 | 521.8 | 9.7 | 5.9 | 2.1 |
| **Juris** | 36.6 | 4.3 | 38.9 | 360.3 | 10.2 | 8.3 | 3.3 |
| **Jirava (tilled)** | 22.4 | 3.2 | 13.7 | 407.8 | 5.4 | 11.6 | 1.8 |
| **Odberg** | 59.2 | 10.1 | 29.7 | 340.4 | 25.9 | 10.5 | 3.7 |
| **Schultheis** | 79.6 | 14.5 | 48.7 | 573.5 | 34.8 | 11.6 | 3.6 |
| **Sheffels** | 37.7 | 6.3 | 31.0 | 700.6 | 13.4 | 12.3 | 1.6 |
| **Stubbs** | 44.7 | 5.0 | 34.2 | 441.0 | 15.4 | 12.9 | 2.6 |
| **Thorn** | 59.6 | 6.5 | 51.2 | 669.0 | 16.4 | 9.6 | 2.6 |
| **Zenner** | 48.5 | 8.2 | 48.3 | 595.8 | 23.0 | 13.0 | 3.3 |