**Table 3. Soil Nutrients at 0-15 cm depth in 2013 and 2014**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | **2013** | | **2014** | |
| Tillage | Winter crop | Summer Crop | **Mean** | **SE** | **Mean** | **SE** |
| P (lbs/A) | | | | | | |
| CT | Rye | Sunflower | 50 | 6 | 44 | 9 |
| CT | Wheat | Soybean | 50 | 13 | 41 | 9 |
| NT | Rye | Sunflower | 44 | 8 | 37 | 5 |
| NT | Wheat | Soybean | 53 | 4 | 48 | 4 |
| K (lbs/A) | | | | | | |
| CT | Rye | Sunflower | 118 | 11 | 88 | 5 |
| CT | Wheat | Soybean | 116 | 10 | 106 | 6 |
| NT | Rye | Sunflower | 106 | 5 | 97 | 9 |
| NT | Wheat | Soybean | 113 | 17 | 91 | 8 |
| Mg (lbs/A) | | | | | | |
| CT | Rye | Sunflower | 86 | 9 | 81 | 14 |
| CT | Wheat | Soybean | 95 | 8 | 91 | 5 |
| NT | Rye | Sunflower | 102 | 5 | 74 | 5 |
| NT | Wheat | Soybean | 94 | 7 | 82 | 9 |
| Ca (lbs/A) | | | | | | |
| CT | Rye | Sunflower | 748 | 60 | 698 | 122 |
| CT | Wheat | Soybean | 747 | 49 | 753 | 36 |
| NT | Rye | Sunflower | 730 | 72 | 599 | 29 |
| NT | Wheat | Soybean | 765 | 75 | 698 | 80 |
| Zn (lbs/A) | | | | | | |
| CT | Rye | Sunflower | 4 | 0.3 | 4 | 0.4 |
| CT | Wheat | Soybean | 3 | 0.3 | 4 | 0.3 |
| NT | Rye | Sunflower | 4 | 0.3 | 4 | 0.3 |
| NT | Wheat | Soybean | 4 | 0.3 | 4 | 0.3 |
| Mn (lbs/A) | | | | | | |
| CT | Rye | Sunflower | 8 | 0.6 | 9 | 1.3 |
| CT | Wheat | Soybean | 9 | 0.4 | 10 | 0.2 |
| NT | Rye | Sunflower | 8 | 1 | 8 | 0.5 |
| NT | Wheat | Soybean | 9 | 0.5 | 9 | 0.7 |
| LBC ppm CaCO3/pH | | | | | | |
| CT | Rye | Sunflower | 151 | 7 | 139 | 5 |
| CT | Wheat | Soybean | 162 | 9 | 154 | 6 |
| NT | Rye | Sunflower | 158 | 6 | 140 |  |
| NT | Wheat | Soybean | 157 | 5 | 144 |  |
| pH lbs/A | | | | | | |
| CT | Rye | Sunflower | 6.7 | 0.1 | 6.2 | 0.1 |
| CT | Wheat | Soybean | 6.7 | 0.1 | 6.2 | 0.1 |
| NT | Rye | Sunflower | 6.7 | 0.1 | 6.0 | 0.1 |
| NT | Wheat | Soybean | 6.6 | 0.1 | 6.1 | 0.1 |