Table 3. Effect of soil compost and lime treatments (*n* = 12) on selected soil chemical properties when applied to sandy soils prior to bedding at a commercial tomato production facility in Florida during the fall 2010 season.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Soil treatment | Super MAG (ton/acre) | pH | Electrical conductivity (dS·m-1) | Organic Matter (g·kg-1) | Mehlich 3-P (mg·kg-1) | Mehlich 3-K (mg·kg-1) | Mehlich 3-Ca (mg·kg-1) | Mehlich 3-Mg (mg·kg-1) |
| Compost, 30 ton/acre | 0.75 | 6.88 az | 502 a | 12.3 a | 181 a | 86 a | 864 a | 143 a |
| Compost, 20 ton/acre  | 0.50 | 6.86 a | 553 a | 11.5 ab | 182 a | 86 a | 822 a | 142 a |
| Compost, 10 ton/acre | 0.25 | 6.88 a | 549 a | 11.2 ab | 179 a | 87.5 a | 781 a | 120 ab |
| Hi-CAL, 1.0 ton/acre | 0.50 | 7.01 a | 438 a | 10.6 b | 161 a | 61.7 a | 779 a | 107 b |
| Unamended control | 0.25 | 6.93 a | 467 a | 10.6 b | 177 a | 78.3 a | 780 a | 113 b |

zMeans within column followed by different letters are significantly different based on Tukey’s honestly significant difference (HSD) test at P ≤ 0.05.