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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Results:  pH test:  potato-based compost- 7.0  lettuce-based compost- 7.0  lettuce/ potato-based compost- 8.0  lettuce/ lettuce-based compost- 7.5  radish/ potato-based compost-7.5  radish/ lettuce-based compost- 7.0  Nitrate Test:  lettuce/ potato-based compost- 1.0 ppm  lettuce/ lettuce-based compost- .8 ppm  radish/ potato-based compost- 1.0 ppm  radish/ lettuce-based compost-.8 ppm  Phosphate Test:  lettuce/ potato-based compost- .8 ppm  lettuce/ lettuce-based compost- 1.0 ppm  radish/ potato-based compost- .6 ppm  radish/ lettuce-based compost-.8 ppm  Two Sample T-test- the Radish Samples  After comparing the sample means, I found that the radish samples had no statistically significant difference at the 95% confidence level. The average mass of the radish plants in the potato compost of 2.52 grams was not significantly greater then the average mass of the radish plants in the lettuce compost which was 3.15 grams.  Two Sample T-test- the lettuce samples  After comparing the sample means of the two lettuce samples, I found that the average mass of lettuce grown in the potato compost was statistically significantly higher than the average mass of the lettuce grown in the lettuce compost. The lettuce grown in the lettuce compost had a mean mass of 1.18 grams that was smaller than the lettuce grown in the potato compost that had a mean mass of 2.66 grams.   |  |  |  |  | | --- | --- | --- | --- | | lettuce plants in lettuce compost (grams) | lettuce plants in potato compost (grams) | radish plants in potato compost (grams) | radish plants in lettuce compost (grams) | | 2 | 1.1 | .72 | 2.6 | | .02 | 6.0 | 3.48 | 5.35 | | .05 | 6.45 | .8 | 5.2 | | .6 | 3.7 | .48 | 6.2 | | .3 | 1.2 | .5 | 4.0 | | 1.0 | .192 | 2.45 | 3.4 | | .08 | 4.0 | 3.98 | 4.7 | | 1.7 | 2.42 | 2.1 | 1.9 | | .92 | 3.6 | 2.3 | 3.1 | | .92 | .6 | 1.9 | 3.5 | | 1.5 | 4.1 | 3.8 | 3.2 | | .4 | 4.12 | 4.9 | 5.8 | | 1.91 | 2.33 | .92 | 2.7 | | 1.05 | .95 | 4.0 | 2.8 | | 1.4 | 3.4 | 2.6 | 2.8 | | .32 | 1.5 | 3.0 | .52 | | 1.65 | 1.62 | .6 | .72 | | 1.48 | .81 | 3.0 | 2.8 | | .05 | 2.55 | 2.5 | 1.42 | | 2.0 | .05 | 3.3 | 2.81 | | 1.8 | .4 | 2.2 | 2.7 | | 2.30 | 4.2 | 3.32 | 1.43 | | 1.34 | 1.23 | 3.34 | 4.8 | | 1.85 | 2.85 | 3.3 |  | | 2.03 | 2.8 | 6.05 |  | | 2.10 | 1.62 | .1 |  | |  | 4.05 |  |  | |  | 5.55 |  |  | |  | 4.08 |  |  | |  | 3.56 |  |  | |  | .02 |  |  | |  | 2.22 |  |  | | total number= 26 | total number= 32 | total number= 26 | total number= 23 | |

*This Web Site is Best viewed with 256 or more colors.*

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