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| Data:  After the soil was heated, these temperatures were recorded from the middle of the baking dish:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Table 1:Temperature Comparison** |  |  |  |  |  | | Trial 1: | box: | degrees F | Trial 2: | box: | degrees F | |  | 0 minutes | 60 |  | 0 | 70 | |  | 10 minutes | 110 |  | 10 minutes | 94 | |  | 20 minutes | 140 |  | 20 minutes | 130 | |  | 30 minutes | 170 |  | 30 minutes | 140 |   Here is the rough data for Trial 1:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Table 2--CONTROL:** |  |  |  |  | | Radish: | Mass (g) | Diameter (cm) | Average leaf length (cm) | Total radish length (cm) | | 1 | 9.85 | 0.2 | 18.8 | 10.6 | | 2 | 17 | 0.9 | 26.3 | 13.5 | | 3 | 4.8 | 0.65 | 14.7 | 7.5 | | 4 | 10.8 | 0.8 | 22.45 | 9 | | 5 | 11.85 | 1.9 | 18.375 | 13 | | 6 | 19 | 1.6 | 21.47143 | 19.5 | | 7 | 37 | 2.2 | 34.5 | 14.3 | | 8 | 10.7 | 0.8 | 20.45 | 18 | | 9 | 14.35 | 0.6 | 24.5 | 15.7 | | 10 | 4.9 | 1.5 | 13.93333 | 13 | | 11 | 8.2 | 0.2 | 21.83333 | 13 | | averages | 13.49545 | 1.031818 | 21.57392 | 13.37273 | | standard deviation | 8.96876 | 0.6709 | 5.689 | 3.56317 |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Table 3--10 MINUTE BOX:** |  |  |  |  | | Radish: | Mass (g) | Diameter (cm) | Average leaf length (cm) | Total radish length (cm) | | 1 | 10.7 | 1.7 | 15.875 | 10.3 | | 2 | 10.9 | 1.5 | 15.9 | 18 | | 3 | 16.75 | 2.3 | 18 | 12.5 | | 4 | 18.85 | 2.8 | 18.9 | 11.5 | | 5 | 14.9 | 2.5 | 16.65 | 9 | | 6 | 10.55 | 1 | 17.375 | 12 | | 7 | 4.5 | 0.5 | 14.76667 | 7.5 | | 8 | 9.6 | 0.3 | 22.9 | 12 | | 9 | 9.3 | 0.7 | 17.18 | 9.6 | | 10 | 8.8 | 0.7 | 17.18 | 11 | | averages | 11.485 | 1.4 | 17.47267 | 11.34 | | standard deviation | 4.21354 | 0.8969 | 2.23546 | 2.80958 |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Table 4--20 MINUTE BOX:** |  |  |  |  | | Radish: | Mass (g) | Diameter (cm) | Average leaf length (cm) | Total radish length (cm) | | 1 | 31 | 2.3 | 21.03333 | 10.4 | | 2 | 22.2 | 2 | 22.1 | 9 | | 3 | 13.2 | 0.9 | 18.28571 | 14 | | 4 | 14.7 | 2 | 18.2 | 10.5 | | 5 | 15.35 | 2.2 | 15.25714 | 11 | | 6 | 24.15 | 2.1 | 19.7 | 12.5 | | 7 | 6 | 0.7 | 14.83333 | 11.5 | | 8 | 7.6 | 0.7 | 14.78 | 13 | | 9 | 20 | 2.4 | 20.125 | 11 | | 10 | 7.9 | 0.4 | 17.475 | 15 | | 11 | 9.5 | 1.2 | 17 | 11 | | 12 | 9.85 | 0.6 | 18.6 | 12.3 | | averages | 15.12083 | 1.458333 | 18.11579 | 11.76667 | | standard deviation | 7.7623 | 0.77043 | 2.3919 | 1.67187 |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Table 5--30 MINUTE BOX:** |  |  |  |  | | Radish: | Mass (g) | Diameter (cm) | Average leaf length (cm) | Total radish length (cm) | | 1 | 13.45 | 0.8 | 20.8 | 11.5 | | 2 | 10.95 | 0.7 | 15.7 | 14 | | 3 | 37.5 | 2.4 | 26.66 | 15 | | 4 | 6.6 | 0.2 | 15.3 | 13.4 | | 5 | 12.7 | 1.5 | 16.44 | 12.6 | | 6 | 19.3 | 1.6 | 23.625 | 9 | | 7 | 32.55 | 2.5 | 21.25 | 17 | | 8 | 32.05 | 2.4 | 21.74286 | 20 | | 9 | 23 | 1.1 | 20.04 | 12 | | 10 | 22.4 | 2 | 19.84 | 15 | | 11 | 12.3 | 0.4 | 20.75 | 11 | | 12 | 20.1 | 0.7 | 22.35714 | 11 | | averages | 20.24167 | 1.358333 | 20.37542 | 13.45833 | | standard deviation | 9.7256 | 0.824 | 3.309 | 3.0007 |   **Graphs:**  [Figure 1--Exposure to heat versus radish weight](http://docs.google.com/graph1.html)  [Figure 2--Time soil was heated versus radish diameter](http://docs.google.com/graph2.html)  [Figure 3--Time soil was heated versus radish leaf lengths](http://docs.google.com/graph3.html)  [Figure 4--Time soil was heated versus total radish root length](http://docs.google.com/graph4.html)  [[Home](http://docs.google.com/home.html)] [[Next](http://docs.google.com/data2.html)]    [[Home](http://docs.google.com/home.html)][[Introduction](http://docs.google.com/introduction.html)][[Hypothesis](http://docs.google.com/hypothesis.html)][[Procedure](http://docs.google.com/procedure.html)][[Data](http://docs.google.com/data.html)][[Conclusions](http://docs.google.com/conclusions.html)][[Bilio/Links](http://docs.google.com/biblio.html)]  [[2001 Projects](http://docs.google.com/index.html)][[2000 Projects](http://docs.google.com/AP2000/index.html)][[1999 Projects](http://docs.google.com/AP99/index.html)][[1998 Projects](http://docs.google.com/AP98/index.html)] |