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[<- Go Back](http://docs.google.com/bio_proj/index.html)

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **The Best Combination of Magnesium, Calcium, and Potassium for Growing Radishes**  *By: Huzefa Mogri and James McCanna*  **Work Log**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | View Log | Add Entry | Edit Entry | Delete Entry | | | |

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We put the seeds in petri dishes on top of wet paper towels to germinate. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-06  3:00-3:30 | 30 minutes | we talked to mr. simms and acquired information on the concentrations of the nutrients we should use. We also discussed the method by which placing the nutrients into the soil. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-06  3:00-4:30 | 1 hour & 30 minutes | we found out that the plants in the petri dishes had grown really fast and the roots had grown into the wet paper towel. Removing them would render them unusable. So, we decided to add nutrients of varying amounts into the petri dishes and use these plants as test subjects. then, with this information, we would plant more seeds in the vermiculite itself. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-12  3:00-4:00 | 1 hour | took qualitative data from the Petri dishes and used it to calculate the concentration levels for the next, main batch of plants. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-28  3:00-5:30 | 2 hours & 30 minutes | Planted the main batch of plants with a control; there are a total of 9 variants of the nutrients. Based upon the harvest time, they should be done the week before spring break, giving us plenty of time to make conclusions. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-06  3:00-3:40 | 40 minutes | Although 6 days have passed, there has been no germination of our plants. We think that one of the nutrients may be inhibiting the germination of the seeds. This is a minor setback, but can be used as part of our data. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-11  3:00-3:30 | 30 minutes | Over the weekend, four radish plants popped out of the vermiculite. So, it looks like the plants are slowly arising from the deep. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-19  3:00-4:30 | 1 hour & 30 minutes | There has been no more germination, so, as a last-ditch effort, jus in case, we are germinating about 140 more seeds in some petri dishes and placed them in the greenhouse. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-27  3:00-3:30 | 30 minutes | NONE of the seeds we set in the petri dishes have germinated. Not even one bit. Maybe we had a package of bad seeds or something. That�s the last time we purchase seeds form OSH. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-01  8:00-3:30 | 7 hours & 30 minutes | In a full day working marathon, we wrote most of the introduction, hypothesis/prediction, materials, procedure, data (from the first batch), and the letter to Mr. Thiel, asking for an extension. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-02  1:00-2:30 | 1 hour & 30 minutes | We work on the finishing touches for our introduction, materials, and procedure. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-02  1:30-3:00 | 1 hour & 30 minutes | Hoping for an extension, we plant some more seeds in a tub of vermiculite and hope for them to sprout so we can have some data. All the data we have so far is the qualitative analysis from the first batch. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-03  10:00-1:30 | 3 hours & 30 minutes | I did extensive work on the bio project website. Most of the layout and graphics were created. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-04  4:00-7:30 | 3 hours & 30 minutes | Worked on finishing the Edit Entry and the Delete Entry on this log webpage. This will be used for entering all this information. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-05  6:00-7:00 | 1 hour | Put together the log and posted it on the web here. | |  |  | | | | |

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We put the seeds in petri dishes on top of wet paper towels to germinate. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-02-06  3:00-3:30 | 30 minutes | we talked to mr. simms and acquired information on the concentrations of the nutrients we should use. We also discussed the method by which placing the nutrients into the soil. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-02-06  3:00-4:30 | 1 hour & 30 minutes | we found out that the plants in the petri dishes had grown really fast and the roots had grown into the wet paper towel. Removing them would render them unusable. So, we decided to add nutrients of varying amounts into the petri dishes and use these plants as test subjects. then, with this information, we would plant more seeds in the vermiculite itself. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-02-12  3:00-4:00 | 1 hour | took qualitative data from the Petri dishes and used it to calculate the concentration levels for the next, main batch of plants. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-02-28  3:00-5:30 | 2 hours & 30 minutes | Planted the main batch of plants with a control; there are a total of 9 variants of the nutrients. Based upon the harvest time, they should be done the week before spring break, giving us plenty of time to make conclusions. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-03-06  3:00-3:40 | 40 minutes | Although 6 days have passed, there has been no germination of our plants. We think that one of the nutrients may be inhibiting the germination of the seeds. This is a minor setback, but can be used as part of our data. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-03-11  3:00-3:30 | 30 minutes | Over the weekend, four radish plants popped out of the vermiculite. So, it looks like the plants are slowly arising from the deep. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-03-19  3:00-4:30 | 1 hour & 30 minutes | There has been no more germination, so, as a last-ditch effort, jus in case, we are germinating about 140 more seeds in some petri dishes and placed them in the greenhouse. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-03-27  3:00-3:30 | 30 minutes | NONE of the seeds we set in the petri dishes have germinated. Not even one bit. Maybe we had a package of bad seeds or something. That�s the last time we purchase seeds form OSH. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-04-01  8:00-3:30 | 7 hours & 30 minutes | In a full day working marathon, we wrote most of the introduction, hypothesis/prediction, materials, procedure, data (from the first batch), and the letter to Mr. Thiel, asking for an extension. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-04-02  1:00-2:30 | 1 hour & 30 minutes | We work on the finishing touches for our introduction, materials, and procedure. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-04-02  1:30-3:00 | 1 hour & 30 minutes | Hoping for an extension, we plant some more seeds in a tub of vermiculite and hope for them to sprout so we can have some data. All the data we have so far is the qualitative analysis from the first batch. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-04-03  10:00-1:30 | 3 hours & 30 minutes | I did extensive work on the bio project website. Most of the layout and graphics were created. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-04-04  4:00-7:30 | 3 hours & 30 minutes | Worked on finishing the Edit Entry and the Delete Entry on this log webpage. This will be used for entering all this information. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | | | | 2002-04-05  6:00-7:00 | 1 hour | Put together the log and posted it on the web here. | |  |  | | | | |

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We put the seeds in petri dishes on top of wet paper towels to germinate. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-06  3:00-3:30 | 30 minutes | we talked to mr. simms and acquired information on the concentrations of the nutrients we should use. We also discussed the method by which placing the nutrients into the soil. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-06  3:00-4:30 | 1 hour & 30 minutes | we found out that the plants in the petri dishes had grown really fast and the roots had grown into the wet paper towel. Removing them would render them unusable. So, we decided to add nutrients of varying amounts into the petri dishes and use these plants as test subjects. then, with this information, we would plant more seeds in the vermiculite itself. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-12  3:00-4:00 | 1 hour | took qualitative data from the Petri dishes and used it to calculate the concentration levels for the next, main batch of plants. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-02-28  3:00-5:30 | 2 hours & 30 minutes | Planted the main batch of plants with a control; there are a total of 9 variants of the nutrients. Based upon the harvest time, they should be done the week before spring break, giving us plenty of time to make conclusions. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-06  3:00-3:40 | 40 minutes | Although 6 days have passed, there has been no germination of our plants. We think that one of the nutrients may be inhibiting the germination of the seeds. This is a minor setback, but can be used as part of our data. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-11  3:00-3:30 | 30 minutes | Over the weekend, four radish plants popped out of the vermiculite. So, it looks like the plants are slowly arising from the deep. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-19  3:00-4:30 | 1 hour & 30 minutes | There has been no more germination, so, as a last-ditch effort, jus in case, we are germinating about 140 more seeds in some petri dishes and placed them in the greenhouse. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-03-27  3:00-3:30 | 30 minutes | NONE of the seeds we set in the petri dishes have germinated. Not even one bit. Maybe we had a package of bad seeds or something. That�s the last time we purchase seeds form OSH. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-01  8:00-3:30 | 7 hours & 30 minutes | In a full day working marathon, we wrote most of the introduction, hypothesis/prediction, materials, procedure, data (from the first batch), and the letter to Mr. Thiel, asking for an extension. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-02  1:00-2:30 | 1 hour & 30 minutes | We work on the finishing touches for our introduction, materials, and procedure. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-02  1:30-3:00 | 1 hour & 30 minutes | Hoping for an extension, we plant some more seeds in a tub of vermiculite and hope for them to sprout so we can have some data. All the data we have so far is the qualitative analysis from the first batch. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-03  10:00-1:30 | 3 hours & 30 minutes | I did extensive work on the bio project website. Most of the layout and graphics were created. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-04  4:00-7:30 | 3 hours & 30 minutes | Worked on finishing the Edit Entry and the Delete Entry on this log webpage. This will be used for entering all this information. | |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  | 2002-04-05  6:00-7:00 | 1 hour | Put together the log and posted it on the web here. | |  |  | | | | |

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