Flower Power

Have you ever thought of what a microcomputer would be doing in a gardening aisle? Every year, gardeners kill tons of plants worldwide. Plants don't get enough water, so they die of thirst. Let's save more plant lives by using a microcomputer, this could save your life too, gardeners.

Wondering how a soil moisture sensor works fellow plant murdering gardeners, well, let's get researching. The sensor measures the amount of moisture in the soil. In the graph, the part shows how dry it is, the lower the number, the more moist it is. If you expose the sensor to a moist environment for a long time, the lifespan is then very short.

For our Arduino I.D.E.(software program for the programming) will be stated here. You should first write you code. You should follow these instructions below before getting your results.(Instructions from the Arduino website)

1. Verify-to check for any mistakes in the code
2. Upload-Compiles your code and uploads it to the configured board
3. Open Serial Monitor

After that, you should then start getting you graph measuring the moisture level. Be sure to be careful with your water when measuring.

For our last support paragraph fellow plant killers is our handy dandy Arduino Uno board. The Arduino is like main base were it has a button to restart the systems if there's a malfunction. You can communicate with it through the I.D.E. I said in the last paragraph. The operating voltage is about 5 volts, for that’s whats recommended.

In conclusion gardeners, this is my research for how to not kill plants. I told you how the soil moisture sensor works so you don’t kill more plants from thirst. Then I told you about the Arduino Uno board and the I.D.E.(Arduino programming) So, for now, I am going to tell if a plant grows better with a soil moisture sensor or just plain gardening.

Works Cited

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