

In order to improve the incubation process and to solve the Humidity question we did for now 4 tests in 3 different wadis. On each one we took 8 sample: at the depth of 60, 80, 100 and 120 centimeter. From each depth 2 sample. It done early morning At the moment we get to the right depth the sample get into hermetic plastic bag and then again inside another one.

Here are the results of the first one from 31.07.00

Depth in centimeters, Weight in grams

| Depth | Sample weight | Water weight | Humidity % | Soil weight | Soil % | Gravel weight | Gravel % | Soil humidity % |
|-------|---------------|--------------|------------|-------------|--------|---------------|----------|-----------------|
| 60 | 625.6 | 5 | 0.8 | 148.5 | 24 | 472.1 | 76 | 3.4 |
| 60 | 693.6 | 4.8 | 0.7 | 114.4 | 17 | 574.4 | 83 | 4.2 |
| 80 | 722.9 | 15.1 | 2.1 | 168.2 | 24 | 539.6 | 76 | 8.9 |
| 80 | 725.1 | 13.7 | 1.9 | 135.5 | 19 | 575.9 | 81 | 10.1 |
| 100 | 754.2 | 12.0 | 1.6 | 201.9 | 24 | 540.3 | 73 | 5.9 |
| 100 | 752.6 | 10.5 | 1.4 | 181.6 | 25 | 560.5 | 75 | 5.8 |
| 120 | 1000.5 | 18.0 | 1.8 | 273.6 | 28 | 708.9 | 72 | 6.6 |
| 120 | 841.5 | 15.1 | 1.8 | 230.6 | 33 | 595.8 | 67 | 6.5 |

- Depth of incubation chamber is between 80 – 110 cm.
- The air Humidity here in Eilat in the summer is 10-20 % .
- Last winter we had no rain.

Here are the results of another three test for the Ground Humidity. the test has done on the 14,18,19 of september.

They all have been done at the same manner like the first one but you got here only the Humidity percent.

The first column on the ground & soil they are from the table above, so you have here the results of 4 test.

| | 31.07.00 | 18.09.00 | 14.09.00 | 19.09.00 | 31.07.00 | 18.09.00 | 14.09.00 | 19.09.00 |
|-------|-------------------|----------|----------|----------|-----------------|----------|----------|----------|
| Depth | Ground Humidity % | | | | Soil Humidity % | | | |
| 60 | 0.8 | 1.4 | 1 | 1.5 | 3.4 | 3.9 | 3.6 | 3.8 |
| 60 | 0.7 | 1.5 | 1.3 | 1.4 | 4.2 | 5.1 | 4.8 | 2.8 |
| 80 | 2.1 | 2.3 | 1.5 | 2.0 | 8.9 | 7.8 | 5.6 | 4.9 |
| 80 | 1.9 | 2.4 | 1.5 | 1.9 | 10.1 | 7.2 | 5.8 | 4.6 |
| 100 | 1.6 | 2.2 | 1.6 | 2.2 | 5.9 | 7.0 | 3.1 | 8.9 |
| 100 | 1.4 | 2.5 | 1.5 | 2.5 | 5.8 | 8.0 | 2.5 | 9.8 |
| 120 | 1.8 | 2.3 | 1.3 | 1.6 | 6.6 | 8.1 | 1.9 | 2.9 |
| 120 | 1.8 | 2.4 | 1.5 | 1.6 | 6.5 | 11.7 | 2.3 | 3.9 |