

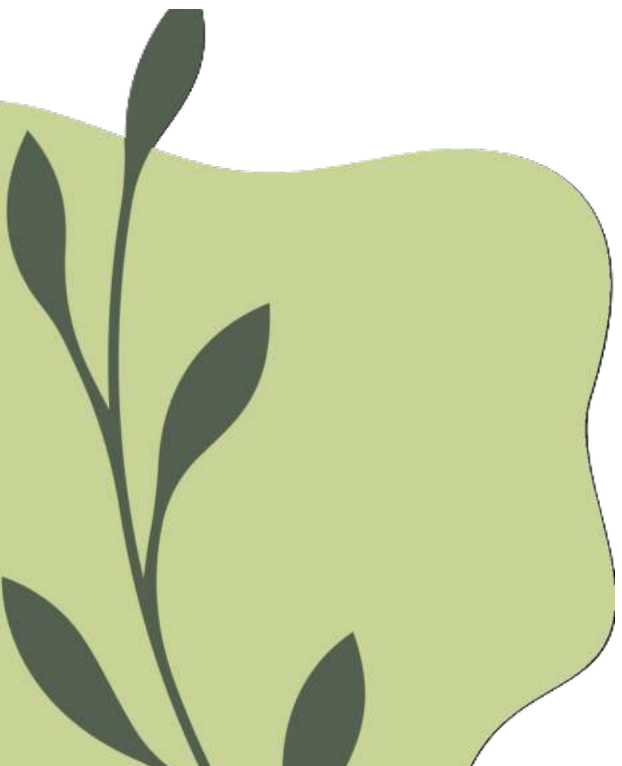


Comparison of plant growth in hydroponic cultivation and in soils

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Index

1. Introduction
2. Objectives
3. Materials
4. Methodology
5. Results
6. Discussion
7. Conclusions
8. Acknowledgments
9. Bibliography



1.INTRODUCTION

What are hydroponics?





Do plants grow faster when they are
in hydroponic crops, or in soil?



2.OBJECTIVES

Influence of
hydroponics on
the growth of
plants



Learning how
to do
hydroponic
cultivation



3.MATERIALS



Macro and micronutrients



Perlite



Hydroponic kit



Oxygen pump

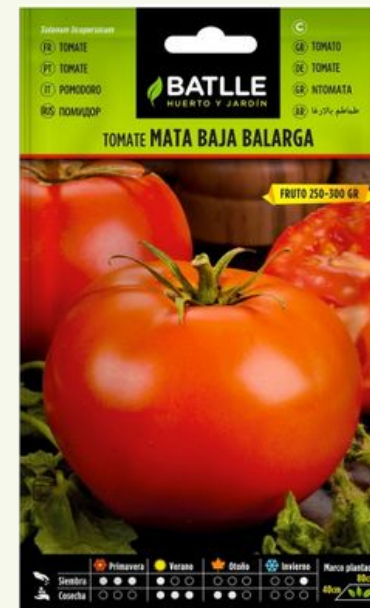
3.MATERIALS



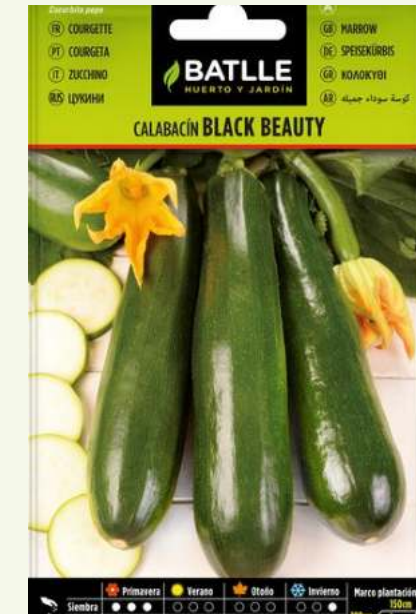
Soil for
plants



Pots



Tomato
seeds



Zucchini
seeds



pH-meter



Electroconductivity meter

4.METHODOLOGY

1.



2.



3.



4.



5.



6.



5.RESULTS



Results (tomato growth):

H



S



5 WEEKS

6 WEEKS

7 WEEKS

8 WEEKS

9 WEEKS

RESULTS:

TOMATO GROWTH

Soil



Hydroponics

Results (zucchini growth):

H



S



5 WEEKS

6 WEEKS

7 WEEKS

8 WEEKS

9 WEEKS

RESULTS:

ZUCCHINI GROWTH

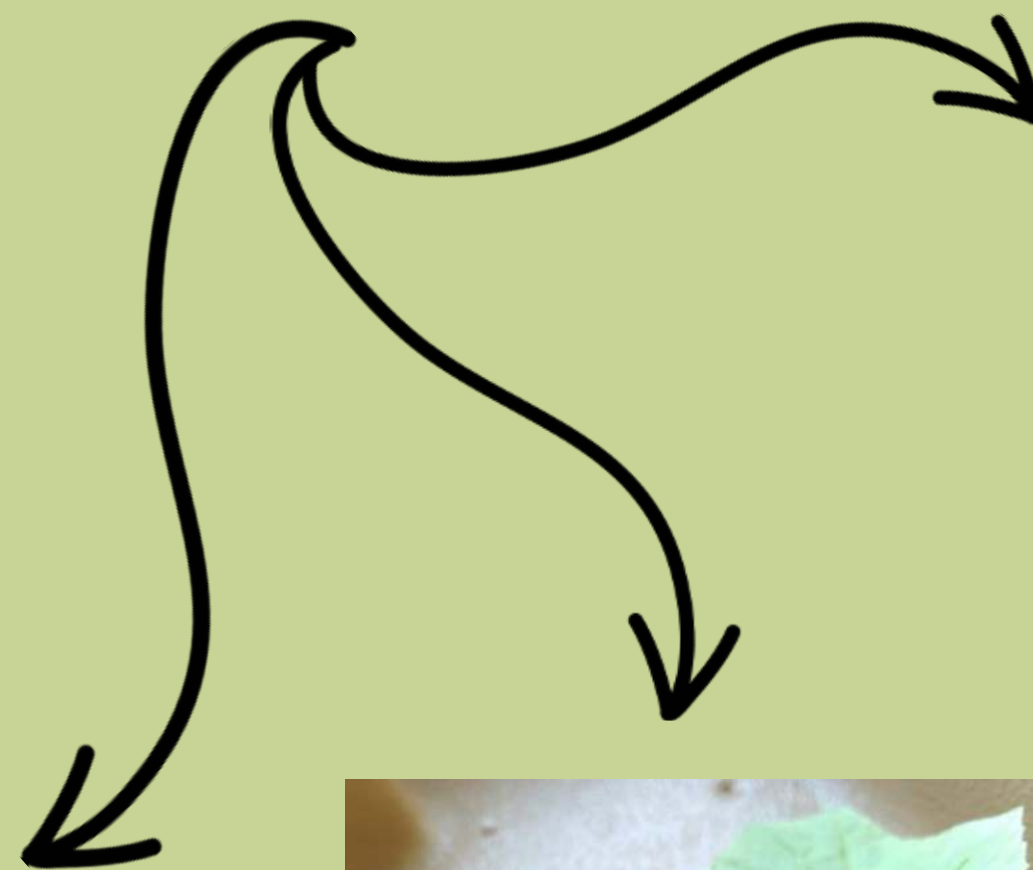
Soil



Hydroponics



6.DISCUSSION



7.CONCLUSIONS

Soil



Hydroponics



8.ACKNOWLEDGMENTS

- Sergio Pols for his knowledge and materials provided to carry out this project.
- To our teacher Cristina Atanasio for providing a pH-meter for our school.
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- To our colleagues Juanjo, Ana, Amelia and Miguel for providing the tomato plants used in the preparation of the project.

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***THANKS FOR YOUR
ATTENTION***