

Introduction

Egyptians grew on Nile banks, romans in plains...

You probably can guess that it is not the same cultivating in the mountains or by the sea; or cultivating in northern areas or in southern, but can the soil type also affect the orchards biodiversity? Do you want to know more about it? Keep reading.

Orchards'

biodiversity

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How does the different soil type affect to the seasonal vegetables biodiversity?

Goal

The objective of this project is to confirm that depending on the type of soil and the lithology of the different countries we will have some species of vegetables or others.

64,19N-
22,4 W

AKRANES

Oceanic subpolar climate
Soil type: Calcareous volcanic

Cherry tomato:
Solanum lycopersicum

Potato: Solanum tuberosum

Materials and methods

- 1- Make an hypothesis
- 2- Collect information of our town (climate, average temperature, rainfall...)
- 3- We have used this chart to collect information, firstly from our town, and secondly to obtain data from Iceland and Slovenia.
4. Compare the information and make the conclusions

CHART 2- ORCHARDS (species)	
Information	EXAMPLE
Common name	spanish cucumber
Technical name	cucumis sativus
Characteristics	10-15 cm. Dark green. Spiny
Planting period	Spring
Cultivation period	Spring
Harvest period	Summer
Temperature needed during the different periods	Soil temperature must be over 20 C°
Fertilizer (yes or no and type)	NKP 5-10-10

TUDELA

42,08 N - 1,60 W

Mediterranean climate

Soil type: Clay and limeston

Onion: Allium cepa

Cherry tree: Prunus avium

Results

POLHOV

GARDEC

46,3N - 14,18 E

Continental climate

Soil type: Limeston and Calcareous

Garlic: Allium sativum

Cherry tree: Prunus cerasus

Conclusions

- 1- Icelandic soil is the most differentiated, while Spanish and Slovenian are more similar to each other.
- 2-Spain and Slovenia share the same kind of species, which are not present in Iceland
- 3-A common feature in the slovenian and spanish species is the need of well-drained and worked soil (also limeston soils)
- 4- The type of soil actually affects to the vegetables varieties cultivated in one place, since each specie has its own needs, and each country its own resources

References

- <https://huertosecologicos.es/tomate-cherry-como-cultivar/>
<https://www.infoagro.com/hortalizas/hortalizas.htm>
<http://www.tudela.es/>

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