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 a. Total carbohydrate
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MATERIALS AND METHODS
RESULTS AND DISCUSSION

The First Experiment:

Growth Regulators

- A. Effect of kinetin on: vegetative growth
 a. Plant height
 b. Number of main branches
 c. Fresh and dry weight of plant
 parts (stems and roots).

Flowering:

- a. Number and weight of flowers
b. Fresh and dry weight of
 petals

Chemical composition:

- a. Total carbohydrate in (leaves
 and stems)
b. Minerals content N,P and K in
 (leaves and stems).....
c. Oil percentage
d. Pigments percentages

- B. Effect of B-nine on: Vegetative growth
- a. Plant height
 - b. Number of main branches
 - c. Fresh and dry weight of plant parts (stems and roots)

Flowering:

- a. Number and weight of flowers
- b. Fresh and dry weight of petals ..

Chemical composition:

- a. Total carbohydrate in leaves and stems
- b. Minerals content N, P and K in (leaves and stems)
- c. Oil percentage
- d. Pigments percentages

Comparative Effects of the growth regulators on Tagetes

plant:

Vegetative growth ;:

- a. Plant height.....
- b. Number of main branches.....
- c. Fresh and dry weight of plant parts (stems and roots).....

Flowering:

- a. Number and weight of flowers.....
- b. Fresh and dry weight of petals....

Chemical composition:

- a. Total carbohydrate in (leaves and stems).....
- b. Minerals content N, P and K in (leaves and stems).....
- c. Oil percentage.....
- d. pigments percentage.....

The second experiment:

Effect of different fertilization treatments on:

Vegetative growth:

- a. Plant height
- b. Number of main branches
- c. Fresh and dry weight of plant parts
(stems and roots)

Flowering

- a. Number and weight of flowers
- b. Fresh and dry weight of petals ...

Chemical composition:

- a. Total carbohydrate in (leaves and
stems)
- b. Minerals content N, P and K in
(leaves and stems)
- c. Oil percentage
- d. Pigment percentage

Summary

Literature cited

Arabic Summary