

LITERATURE CITED

- Abd-Alla, I. M.; El-Saied Zaki, M.; Helal, R. M. and Abo-Sedera, F. A. (1981):
Influence of nitrogen fertilization on the chemical composition of spinach.
Res. Bull. No. 296, 1-14. Fac. Agric. Zagazig Univ.
- ; Gabal, M. R.; Abed, T. A. and Turkey, K. A. (1983):
The influence of nitrogen and potassium fertilizers on growth, yield and chemical composition of celery.
Annals of Agric. Sci. Moshtohor, Vol. 20: 39-48.
- ; Zaki, M. S.; Gabal, M. R. and Farage, S. A. (1985):
Effect of nitrogen and phosphorus fertilization on growth, flowering, fruit yield and seed production of Capsicum annum, L.
Hort. Sci. 20 (3) 553.
- Afifi, S. T.; Hamail, A. F. and Sakr, M. T. (1989):
Effect of NPK fertilizers on growth, photosynthetic pigments, mineral composition and yield of cow pea plants.
J. Agric. Sci. Mansoura Univ. 14, 1294-1300.
- A.O.A.C. (1970):
Official methods of analysis association of agricultural chemists. 11th ed. P. O. Box: 540, Washington, D. C., U. S. A.

Bourke, R. M. (1985):

Influence of nitrogen and potassium fertilizers on growth of sweet potato (Ipomea batatas).
Papua New Guinea, Field Crops Res. 12, 363-75.
(C.F. Soils and fertilizers, 49: 5202, 1986).

Brown, J. D. and Lilleland, O. (1946):

Rapid determination of potassium and sodium in plant material and soil extracts by flame photometry. Proc. Amer. Soc. Hort. Sci. 48: 341-346.

El-Beheidi, M. A.; El-Mansi, A. A. and Said, S. (1976):

Effect of irrigation frequency on the growth and yield of carrots.

Zagazig J. of Agric. Res. 3 (2) 73-94.

Elkner, K.; Michalik, H. (1973):

The effect of soil type and irrigation on nutrient content in 3 carrot cultivars.

Biuletyn Warzywniczy. 15, 175-183.

(C.F. Hort. Abstr. Vol. 46 (7) 6869; 1976.

El-Mansi, A. A.; El-Beheidi, M. A. and Khalil, M. A. I. (1975):

Effect of water regime on growth and yield of carrots.

Zagazig J. of Agri. Res. 2 (2) 99-114.

El-Sayed, M. M. (1987):

The response of sweet potato to different fertilizer treatments.

Egypt. J. Appl. Sci. 3rd Issue, 435-441.

-----; and Omran, A. F. (1984):

Interactive effects of potassium, phosphorus fertilizers and foliar spraying with chlormequat (CCC) on growth and yield of red beet plants (Beta vulgaris, L.).

Minufiya J. Agric. Res. 9, 437-449.

Emura, K. and Hosoya, T. (1979):

Effect of fertilizer on the quality and yield of spring-sown carrots.

Japan Bull. Saitama Hort. Exp. St. No. 8, 13-23.

(C.F. Hort. Abstr. 50: 9153, 1980).

Forsee, W. T. (1938):

Determination of sugars in plant materials. A photo-colorimetric method.

Indus. Eng. Chem. Anal. 10th ed.: 411-418.

Gabal, M. R. Abd-Alla, I. M. and Turkey, K.A. (1990):

Effect of N and P-fertilizers level on growth, dry seed yield, volatile oils content and quality of

coriander plants (Coriandrum sativum var dulce, L.)

Annals of Agric. Sci. Moshtohor, Vol. 28: (In press).

Geissler, T.; and Henkel, A. (1985):

Relationships between sprinkle irrigation and nutrient supply in vegetable production.

Sektion Gartenbau der Humboldt-Universitat, DDR-104

Berlin. Gartenbau, 32, 165-166.

(C.F. Soils and fertilizers, 48 (12) 12800, 1985).

Habben, J. (1973):

Quality constituents of carrots(Daucus carota, L.)

as influenced by nitrogen and potassium fertilization.

Acta Horticulturae 29: 295-305.

Hartmann, H. D.; Werum, H.; Bruckner, U. and Zengerle, K. H.

(1986):

Effect of irrigation on carrot yield.

Einfluss der Bewässerung auf den Ertrag Von Mohren.

Gemuse (1986) 22, 62-65.

(C.F. Hort. Abstr. 56 (7) 5355)

Jankowiak, J. (1983):

Effect of irrigation and mineral fertilizer application on crop yield and quality and on the economic effectiveness of sprinkler irrigation on light soils. Pamietnik Pulawski 79, 223-230.
(C.F. Herb. Abstr. 57 (5) 819, 1987).

John, M. K. (1970):

Colorimetric determination of phosphorus in soil and plant materials with ascorbic acid.
Soil Sci. 109: 214-220.

Khalil, M. A. I. (1989):

Effect of various rates of fertilizers on growth, yield and quality of some cucumber hybrids grown under plastic houses in sandy soils.
Egypt. J. Appl. Sci., 4: 118-136.

Khurmi, R. S. (1984):

A text book of hydraulics, fluid mechanics and hydraulic machines published by Chand. S. and Company Ltd., Ram Nagar, New Delhi, PP. 976.

Kobryn, J. (1973):

The effect of soil type and irrigation on the yield and quality of 3 carrot cultivars.
Biuletyn Warzywniczy, 15: 151-174.
(C.F. Soils and fertilizers, 39 (7) 4962, 1976).

Luzzati, A.; Bressy, G.; and Campanello, N. S. (1975):

Interactions between organic and mineral fertilization in vegetable crops. Experiments on carrots. Annali della Facolta di Scienze Agrarie della Universita degle studi di Torino (1975/1977) 10, 199-218.
(C.F. Hort. Abstr. 50 (2) 1133, 1980).

Maurya, K. R. and Goswami, R. K. (1985):

Effect of nitrogen, phosphorus and potassium
fertilizer on growth, yield and quality of carrot.
Progressive Horticulture 17: 212-217, 1985.
(C.F. Hort. Abstr. 58: 2176, 1988).

Mazur, T. and Lukaszuk, L. (1977):

Fertilization of fodder carrots with increasing
rates of N, P and K.
Zeszyty Naukowe Akademii Rolniczotechnicznej w
Olsztynie, Rolnictwo No. 175, 65-78.
(C.F. Soils and Fertilizers 41: 6116, 1978).

Mesquita Filho, M. V. D. E.; Crisostomo, L. A. and Silva,
T. G. D. A. (1985):

Carrot yield in relation to nitrogen and phosphorus
application on acerrado soil.
Horticultura Brasileira, 3: 39-40.
(C.F. Hort. Abstr. 56: 3454, 1986).

Michalik, H. (1985):

Effect of fertilization with macro and micro-
elements on the dry matter, sugar and B-carotene
contents of carrots.
Biuletyn Warzywniczy, 28: 141-163.
(C.F. Hort. Abstr. 57: 5649, 1987).

Michel, K. A.; Gilles, J. K.; Hamilton, P. A. Robers, and
Smith, F. (1956):

Colorimetric method for determination of sugars
and related substances.
Anal. Chem. Vol. 28 No. 3.

Morell, A. S. (1941):

Rapid determination of reducing sugars.
Indus. J. Eng. Chem. Anal. Ed. 13, 249-251.

Murphy, J. and Riely, J. P. (1962):

A modified single solution method for the determination of phosphate in natural water.

Anal. Chem. Acta. 27, 31-36.

Nortje, P. F. and Henrico, P. J. (1986):

The influence of irrigation interval on crop performance of carrots (Daucus carota, L.) during winter production.

Acta Hort. 194, 153-158.

Paschold, P. J. (1979):

Effect of main growth factors on yield and quality of carrots.

Gartenbau 26, 196-198.

(C.F.Hort. Abstr. 50: 4327, 1980).

Pregl, E. (1945):

Quantitative organic microanalysis.

4th Ed. J. Chundril, London.

Said, M. S.; El-Beheidi, M. A.; Khalil, M. A. I.; El-Gazar, T.M. and El-Hassan, O. M. (1984):

Studies on the effect of some cultural practices on sweet potato yield (Ipomea batatas, Lam.)

I. Effect of water supply and nitrogen fertilization. J. Agric. Sci. Mansoura Univ. 9, 422-427.

Snedecor, G. W. and Cochran, W. G. (1967):

Statistical Methods. 6th Ed.

The Iowa State Univ. Press, Ames, Iowa, U.S.A.

- Suwwan, M. A.; Osman, G. and Shadfan, H. (1987):
Effect of different levels of nitrogen and phosphorus on the growth, yield and quality of tomato under plastic house conditions in the Jordan valley, Dirasat, 14, 9-23. The Univ. of Jordan, Amman, Jordan.
- Umiel, N. and Gabelmoii, W. H. (1971):
Analytical procedure for detecting carotenoides of carrot (Daucus carota, L.) roots and tomato (Lycopersicon esculentum) fruits.
J. Amer. Soc. Hort. Sci. 96, 702-704.
- Zhagloul, M. M.; Darweesh, M. M. and Abdelnaby, H. E. (1988):
Effect of Rhizobia inoculation and NPK levels on growth and yield of pea plants.
J. Agric. Sci. Mansoura Univ. 13, 1951-1958.