

LITERATURE
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7-Literature cited

- Abd- El Migeed, M. M. (1996)** Effect of some macro and micro nutrients on mineral content, productivity and fruit quality of Navel orange trees Ph. D Thesis Faculty Agriculture, Aim Shams University.
- Al-Sabah, M.S (1985)** Effect of potassium fertilization on leaves nutritive status, yield and fruit quality of Washington navel orange trees and on the potassium levels in different types of soil. Ph. D. Thesis Fac. Agric Alex , Univ., A. R. E
- Androulakis, I.I., Loupassaki, M.H.BeidounF.; and Tzombonakis, I. (1994)** The effect of NPK fertilizers on the yield and minerals content of leaves of grapefruit. Proceedings of the International Society of Citriculture. 2: 624 - 627- (Hort. Abst.. 64 No. 8:7448).
- A.O.A.C. (1977)** Association of Official Agricultural Chemists. Official and Tentative Methods of Analysis.5 th ed. XII. Washington, D. C., U, S, A., pp. 757.)
- Arora, R K, and Yamdagni, R(1986)**Effect of different doses of nitrogen and Zinc sprays on flowering, fruit set and final fruit retention in sweet lime (C. limettioides Tanaka.). Haryana Agricultural University Journal of Research. 16:3, 233-239.

- Awan, M. Z ; Maqbool, M;and Gillani, A H (1985)**
Improvement of fruit yield in sweet lime by the application of growth regulators and chemical fertilizers. Journal of Agricultural Research, Pakistan. 23: 1, 65 -69,.
- Barbera,G.Carimi,F(1988)**Effects of different levels of water stress on yield and quality of lemon trees Citiculture Sixth International Citrus Congress,Middle-East,Vol 2.,717-722.
- Becera , R. S. (1986)** Study of the root system of Mexican lime. Proceedings of the Tropical Region, Ami. Soi. for Hort Sci. 23:78-80.(Hort. Abst..56 No. 7:5601)
- Bielorai, H.; Dasberg, S.; Erner,y and Brum, M. (1984)**
The effect of various soil moisture regimes and fertilizer levels on citrus yield response under partial wetting of the root zone. Alon Hanotea, 40(9) 829-855. (Hort. Abst..56 No.12:10070).
- Bielorai, H. (1986)** The effect of irrigation management on root distribution and activity of citrus trees. Alon Hanotea 40 (10) 959-967, Israel (Hort. Abst.. 56 No. 12 :10071).
- Bielorai,H. (1987)** Citrus response to partial wetting of the root zone. Alon Hanotea 41(6) 607-618.(Hort. Abst. 58 : 5996).
- Bravdo,B.; Salomon, E.; Emer,y. and Oren,y. (1992)**

Effect of drip and microsprinkler fertigation on Citrus yield and fruit quality. Proceedings of the International Society of Citriculture.2: 646-650.

Bredell.G.S. (1977) Grass strips between citrus fruit trees. Information Bulletin, Citrus and Subtropical Fruit Research Institute.. 54:12-14 (Hort. Abst. 56 No. 12:10854).

Brown, J.O. 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.

Castel, J.R.(1994) Response of young clementine citrus trees to drip irrigation. 1. Irrigation amount and number of drippers. J. of Horticultural Science. 69(3): 481-489

Castel,J.R. and Buj, A. (1994): Growth and evapotranspiration of young, drip irrigated clementine trees. Proceedings of the International Society of Citriculture.2: 651-656 (Hort.Abst.. 65.No.8 : 7424).

Catarella, H.; Quaggio, I. A. and Rau,B.Van. (1994) Response of citrus to NPK fertilization in a network of field trials in San Paulo State, Brazil. Proceeding of the International Society of Ctriculture Vol.2, 607- 612 (Hort. Abst.65

No.8 :7443).

- Chachibaya, T. O and Marshanyiya, I. I (1983)** Effect of the form, rate and date of nitrogen fertilizer applications on the. yield of a young satsuma plantation. Subtropicheskie Kultury No. 5, 90-97. (Hort. Abst..53 No.9 : 6571).
- Chen xuegin; Chen, M.; Yu, D. and Liang,T.(1996)** Fruiting habit of Navel orange. Journal of Fujion Agricultural University, 25 (1) 33-37 (Hort .Abst.. 67 No.6 :5390).
- Cicala, A.and Catara, V. (1994):** Potassium fertilization effects on yield, fruit quality and mineral composition of leaves of Tarocco orange trees. Proceedings of the International Society of Citriculture 2: 618-620 (Hort.Abst.. 65. No.8:7451).
- Dasberg, S.; Bielorai, H. and Erner, I. (1983)** Nitrogen fertilization of Shamouti orange. Plant and Soil, 75(1) 41-49,Israel (Hort.Abst..54 No.5:2912).
- Dass,H.C;and Srivastava,A .k(1997)** Role of potassium in citrus nutrition: a review. Journal of Potassium Research, 13(1) 80-92; National Res. Cen. For Citrus, Seminary Hills, Nagpur India .
- Davies, F.S.; Bower,J. and Papandreou, T.H. (1994)** Water stress, gas exchange and fruitset of Olianda Valencia orange tree in Eastern Transvaal area of South Africa. International Symposium, Tropical and Subtropical Fruit

Production and Research. Acta- Horticulturae,
No. 365:121-127.

Deidda, P. and Casu, M. (1980/1981) Preliminary results of
a fertilizer trial on Washington Navel oranges.
Studi Sassaresi, III, 28, 81- 88. Sassari, Sardinia,
Italy (Hort. Abst.. 54 No. 8: 5803).

Deidda, P.; Filigheddu M.R. and Dettori, S. (1994)
Progress report on the influence of irrigation
system on yield and fruit quality in Valencia
orange (*Citrus sinensis* (L.) Osbeck)
Proceedings of the International Society of
Citriculture. 2: 643-645, Italy (Hort. Abst.. 65
No. 8 : 7422).

Dettori S. and Filigheddu, MR. (1994) Lysimetric
estimation of water consumption by orange cv.
Washington Navel. Rivista, di, Frutticoltura, e-
di, Ortofloricoltura 56:7-8, 55-57;

Dzhabnidy, R. KH. (1983) Effect of mulch on the yield
of cuttings in a satsuma stock- plant orchard.
Subtropicheski Kultury. No. 5, 104- 109 SSR. (
Hort. Abst.. 54 No. 9: 6569).

Dzhingharadye, G.D. and Dzharbnidy, R.KH. (1985)
Effect of different kinds of mulch on the
development of the aerial part and root system
of mandarin trees. Sub-0tropicheski kuetury
No. 6, 96-105 SSR. (Hort. Abst.. 56 No. 7 :

6582).

Eliades, G. (1994) Responses of grapefruit to different amounts of water applied by drippers and minisprinklers. *Acta Horticulturae* No. 365,129- 146 (Hort. Abst..65 No.6 : 5411).

El-Nabawy,S.M.,I.M.Desouky and H.M.El-Hennewy(1975)Effect of nitrogen rate and time of application on fruit set and drop of Washington navel orange *Ann. Agric. Sci. Ain. Shams Univ.* 20(2):167-170

El-Shourbagy, M .A (1963) The effect of different soil applications of potassium on growth and fruit quality of Balady orange M.Sc. Thesis, Fac of Agric Cairo Univ.

El-Tomi,A.M.L. and H.S.Wolfe,(1955) A study of some responses of Florida citrus trees to nitrogen application and irrigation. *Proc. Amer. Soc. Hort. Sci.*, 65:113-20

Futch, S. H. and Alva, A.K. (1995) Effect of nitrogen rates on grapefruit production in Southwest Florida. *Proc. Fla. Sta. Hort. Soc.* 107,32-34 USA (Hort.Abst.. 65. No 6: 5375).

Garcia, Lidon, A.; Garcia, Legay, M.and Marcide. I.M. (1994) Comparative study of flowering and fruit set in Lemon (*Citrus Limon*(L) Burn.F)

- Varieties "Eureka Frost" and "Fino 49-In
Proceedings of the International Society of
Citriculture. 1: 482- 484(Hort. Abst.. 65 No.7 :
6480).
- Ghosh, S. P (1985)** Effects of Mulchs and Supplementary
irrigation on sweet Lime raised in waste land.
Indian Journal of Hort. 42:1/2, 25-29;.
- Germana, C. (1992)** Increasing water use efficiency
through irrigation management. Proceedings of
the International Society of Citriculture. 2: 638-
642.
- Germana, G.; Intrigliolo,F. and Coniglione. L.(1994)**
Experiences with drip irrigation in orange trees.
Proceeding of the International Society of
Citriculture. 2: 661- 664. Italy (Hort. Abst.. 65
No. 8 : 7426).
- Ghosh, S. P (1985)** Effects of Mulchs and Supplementary
irrigation on sweet Lime raised in waste land.
Indian Journal of Hort. 42:1/2, 25-29;.
- Huaug, G. F. and liu, H. J (1987)** Water retaining effect
of organic mulch in red soil citrus orchard.
Journal of Soil Science China, 18: 1, 26 –30
- Huang,H.B(1989)** The water relations problem of fruit trees
in Guangdong Journal of South China
Agricultural Univeersity,10:1,33-39

- Hyun-HN; Lim-HC; Han-HR; and Moon-DG. (1993)** Effects of polyethylene film mulching and root pruning on soil water and fruit quality of satsuma mandarin (*Citrus unshiu*) Journal of the Korean Society for Horticultural Science. 34 : 5, 368-377;
- Iabanouskas C.K., W.W. Jones and T.W. Embleton (1969)** Low residue micronutrient nutritional sprays for citrus .Proc. 1st. Int. Citrus Symp, Riverside, vol.3 pp1535-42.
- Intrigliolo, F., Fisichella, G.; Tropea, M. and Giuffrida, A. (1993)** Influence of nitrogen nutrition on nutritional status and yield of Navelina orange. Optimization of Plant Nutrition: 439- 444, Italy (Hort. Abst. 65 No. 11 : 10207).
- Iobishvili, N. P. and Mikautadze, M.K. (1984)** Effect of irrigation on the nutrient element content in mandarin leaves. Subtropicheskie Kultury No.5, 20-24 (Hort. Abst. 55 No. 4 : 2975).
- Ishii-T and Kadoya-K (1993)** Barks of *Cryptomeria japonica* and *Chamaecyparis obtusa* as mulch and soil conditioners in citrus orchards. Journal of the Japanese Society for Horticultural Science. 62 : 2, 295-303;
- Iwakiri, T. and Nakaharam. (1983)** Nitrogen fertilization programs in Satsuma mandarin groves in Japan.

Proceedings of the International Society of Citriculture. 2 : 571-574 (Hort. Abst.. 54 No. 7 : 4949).

Jiang ping; Zhao,X.; zhang, R. and Wang, Y. (1997)
Effect of mulching in the hillside citrus orchard. South China Fruits, 26(3):17-18. (Hort. Abst.. 67 : 9897).

Josan, J.S.; Sandhu,A.s. and Raghbir Singh (1993)
Changes in physio- chemical characters of lemon fruits as affected by various levels of irrigation Punjab Horticultural Journal,. 33: 5-8 (Hort. Abst.. 65 No. 9 : 8360).

Kanber, R.; Koksul,H and Eylen,M. (1996) Effects of different irrigation methods on yield, evapotranspiration and root development of young orange tree. Turkish Journal of Agriculture & Forestry, 20(2) 163-172.(Hort. Abst: 67 No 1 : 793.).

Kohli, R. R., Huchche, A. D. and Dass, H. C. (1996)Interaction effect of leaf nitrogen and potassium on growth, yield and quality of Nagpur mandarin.Journal of Potassium Research 12 (1): 70 – 74 India

Kolesnikov,V .(1971) The Root System of Fruit Plants. Mir Publishers Moscow .

Koo,R.C.and Sites,B.C.(1984) Fertigation for citrus on

- sandy soil. ground coverage. *Citrus & Vegetable Magazine*, 48 (1):10-11.
- Koo, RCJ (1985)** Effects of nitrogen and potassium fertilization on winter injury of citrus trees University of Florida Citrus Research and Education Center, Lake Alfred, FL 33850, USA. *Proceedings of the Florida State Horticultural Society*. 98:53-56.
- Koo, R.C. and Smajic A.G. (1988)** Trickle irrigation of citrus in sandy soils in Ahman region. *Drip Trickle Irrigation in Action*. 1 : 212- 219 USA (*Hort. Abst.*. 56 No.7 : 5677).
- Koudounas, C. (1994)** Soil- Citrus relationship studies in Cyprus. *Acta Horticulturae* No.365,147-150 (*Hort. Abst.*. 65 No. 6 : 5415).
- Kouka, H.A., Meligi, M.S., Mousa, I.A and Nakhla, F.G. (2000)** Effect of some nitrogen and potassium fertilization rates on yield, fruit quality and vegetative growth of balady orange trees under conditions of sandy soil and drip irrigation. *Minufiya J. Agric Res.* 25, No 1 : 183 - 202.
- Legaz, F.; Ibanez, R.; Barreda, D.G. and Primo Milla, E. (1983)** Influence of irrigation and fertilization on productivity of the "Navelate" sweet orange. In *Proceedings of the International Society of*

- Citriculture.2: 591- 595. (Hort.Abst. 54 No 7: 4938).
- Liu,Y.W.; Lin, M. S. and Qiu, H. L (1994)** Study on fertilizer requirements of satsuma.China Citrus 23(2) 7-10 (Hort. Abst.. 65 No.11: 10205).
- Lohar, D.P. Budathoki, K.Subedi. P.P(1995)** Orchard soil moisture conservation and fruit drop studies in mandarin orange (*Citrus reticulata* Blaco) Working-Paper Lumle Agricultural Research Centre,P.O.Box 1, Pokhara,Kaski Distict, Nepal. No.95-62, 30 pp
- Lopez Vaedovinos, L.E. and Medina Urutia (1986)** Root distribution in Mexican Lime on *Citrus macrophylla* under individual trees. Proceedings of the Tropical Region, American Society for Hort. Sci. 23 : 85-86.(Hort. Abst.. 56 No. 7 : 5702).
- Maatouk, M.A, Ahmed F.F. and El- Sayed M.A (1988)** Effect of nitrogen, potassium and phosphorus fertilization on yield and quality of Egyptian Balady lime trees (*Citrus aurantifolia*) leaves. Annals of Agric. Sci. Cairo, 33: 2, 1233 - 1247.
- Malaka , M. S. (1991)** Effect of nitrogen and potassium fertilization on bearing habit and fruit quality of Balady mandarin. Annals Agric Sci Ain Shams

Univ, (Cairo, 3 bd), 163 - 170

Malavolta,E (1994) Leaf analysis in Brazil - present and perspectives Proceedings of the International Society of Citriculture. 2 : 8-13 March,-1992. 1994, 570-574;.

Magistad, O. C, and Cheristiansen ,J.E .(1984) Saline soils ,their nature and management irrigation and drainage engineer .United State Regional Salinity Laboratory , Riverside ,California ,Sept . Circular No .707.

Marshaniya, I. I. and Mikeladze, Z.R. (1983) Effectiveness of nitrogen fertilizer forms and rates in a young Washington Navel orange orchard. Saubtropickeskie Kuetury No.6, 48-52. SSR. (Hort. Abst.. 54 No. 9 : 7640).

Maurer, M.A.; Davies,F.S. and Graetz, D.A.(1995) Reclaimed waste water irrigation and fertilization of mature Redblush" grape fruit trees on Spodosols in Florida.J. Amer Soc Hort Sci 120 (3) : 394-402, USA (Hort. Abst.. 65 No. 8 : 7425).

Mogheith, M.G. A., (1969). Effect of some differential treatments of fertilizers on premature Navel orange trees at Kaliobia Gavernorate. Ph. D

Thesis, Faculty of Agriculture, Ain Shams University.

- Mooney-PA and Richardson-AC (1994)** Seasonal trends in the uptake and distribution of nitrogen in satsuma mandarins. Proceedings of the International Society of Citriculture. 2 : 8-13 March,-1992. 1994, 593-597;
- Muller, P, (1987)** Fruit drop in citrus. Information-Bulletin.Citrus and Subtropical Fruit Research Institue, South Africa. 182: 6-7.
- Mustaffa, M. M (1988)** Effects of orchard management practices on yield, quality and leaf nutrient content of Coorg mandarin.Indian Journal of Horticultural Science, 63 : 4, 711- 716
- Moreira, C.D.; Moreira,C.S.and Sorries,G.A. (1996)** Study of preharvest drop in orange (*Citrus sinensis* Osbek)cv.Natal. Revisto de Agricultura, 71(3) 361-378 (Hort. Abst.. 67 No.12 : 10901).
- Mostert-PG. (1993)** Mulching in citrus culture. Inligtings Bulletin Instituut vir Tropiese en Subtropiese Gewasse. 1993, Special Edition, 11-14; 2 pl.;
- Naguib , M . L. (1969)** Colorimetric determination of nitrogen components of plant tissues .Bull . Fac.Agric .Sci .,Cairo Univ.,43:1.

- Nakhlla, F.G. and Ghali, M.H. (1996):** Evaluation of perforated polyethy-lene mulch on loamy sand soil under drip irrigated orange trees. 1. Salt distribution pattern and some root nutritive parameters. *Annals of Agricultural Science, Moshtohor.* 34(2) 653-668.
- Nath, J.C. and Sarma, R. (1992)** Effect of organic mulches on growth and yield of Assam lemon- *Horticultural Journal*, 5:1, 19-23.
- Nath, J. C. and Mohan, N.K. (1995)** Effect of nitrogen on growth, yield and quality of Assam lemon. *Annals of Agricultural Research.* 16 : 434-437, India (Hort. Abst.. 65 No. 9 : 7204).
- Newman, E.I. (1966)** A method of estimating the total length of root in a sample. *Appl. Ecol.*, 3:139-145
- Orphanos, P.I., Krentos, V.D. and Loizides, P.A. (1986)** Effect of N, P and K fertilization and sheep manure on yield and quality of Valencia orange. *Miscellaneous Report, Agricultural Research, Inst. (Cyprus, No (28) (Hort. Abst. 58: 651)*
- Orphanos, P. I. and Eliades, G. (1994)** Nitrogen fertigation of Valencia orange irrigated by drip or minisprinkler. *Acta Horticulturae* No. 365, 105- 120 (Hort. Abst.. 65 No. 6 : 5415).
- Okada, N. Ooshiro, A. and Ishida, T. (1994)** Effect of the level of fertilizer application on the nutrient

- of reproduction in *Citrus Limon* L.cv.Verna. Advances in Horticultural Science 3 : 13-16;.
- Sarooshi, R.; Weir, R.G. and Coote, B.C. (1991)** Effect of nitrogen, potassium and phosphorus fertilizers rates on fruit yield, leaf mineral concentrations and growth of young orange trees in the Sunraysia distric. Australian J. of Experimental Agriculture, 31 : 2, 263-272.
- Seligmann, R.; Or, G. and Keren, B. (1997)** Foliar spray of magnesium in grapefruit grove. Alon Hanotea 51(5) 230-233. (Hort. Abst.. 67 No. 10 : 8942).
- Snedecor, G. W. and Corhran, W. G. (1972)** Statistical Methods 6th Ed, The Iowa State Univ. Press Ames, Iowa, USA, pp 593
- Takagi, N; Akamatsu, -S; and Shimizu, -M (1985)** Effect of spring weed cover on 15 uptake by citrus trees under orchard conditions. Journal of the Japanese Society for Horticultural Science. 54 : 3, 307-314;.
- Torricillas, A.; Ruiy- Sanchey, M.C. and Lopey- Galvey, I. (1993)** Regulated deficit irrigation on Fino lemon trees. International symposium on Irrigation of Horticultural Crops, Almeria, Spain 23-27 Nov. 1992. Acta. Horticulturae . No 335 : 205 – 212.
- Tominaga, S (1982)** Effects of ammonium phosphate spraying and injection on the thinning and quality of satsuma fruit. Shikoku, Bulletin of the

- Shikoku Agricultural Experiment Station
Kagawa-ken 765, Japan No. 40, 48-58;
- Turrell, F. M. (1965)** Comparative nocturnal thermal budgets of large and small citrus trees. *Ecology*, 46: 25-34 .
- Vanniere, H; and Marchal, J (1992)** Rootstock and nutrition trials on clementines in Corsica. III - The effect of mineral nutrition on the mineral composition of leaves of clementine SRA 63. *Fruits-Paris*. 47: 1, 45-49.
- Vanniere, H; and Marchal, J (1992)** Rootstock and nutrition trials on clementines in Corsica. II - The effect of rootstock on the mineral composition of leaves. *Fruits-Paris*. 47: 1, 41-44
- Watanabe, F. S. and Olsen, S.R. (1965)** Test of an ascorbic acid method for determining phosphorus in water and NaHCO_3 extracts from soil . *Soil Sci. Soc. Proc.* 29:677-678.
- Wiegand, C. L. and Swanson, W. A. (1984):** Aerial environment and soil water effects on fruit enlargement of "Marss" and Valencia oranges and Ruby Red grapefruit. *Journal of the Rio Grande Valley Horticultural Society* 37 : 83-94. USA (*Hort. Abst.*, 54 No. 11: 8625).