

REFERENCES

REFERENCES

- Abbas, F.A.H. (1988). Effect of some herbicides on soybean under different soil moisture levels. M. Sc. Thesis, Fac. Agric. Moshtohor, Zagazig Univ., Egypt.
- Abo-Elseud, M.A. (1987). Biochemical changes in soybean plants as affected by water stress. Ph. D. Thesis, Fac. Agric., Minufya Univ., Egypt.
- Ainer, N.G. (1983). Studies on the inter relationship among irrigation and plant population in maize (*Zea mays* L.). Ph. D. Thesis, Fac. Agric. Mansoura Univ., Egypt.
- Al-Karaghoul, A.A. and A.N. Minasian (1992). Emission uniformity of drip irrigation systems. *Plasticulture*, **94**: 33-38.
- Badran, M.M. (1986). Water regime in soybean plants. M. Sc. Thesis, Fac. Agric. Ain Shams Univ., Egypt.
- Bakr, H.M.A. and A.M. Shakshook (1977). A field trial to apply trickle, sprinkler and furrow irrigation to tomato plants on Borg El-Arab calcareous soil, A.R.E. *Agric. Egy. J.*, **25**: 343-350.
- Barni, N.A. and J.A. Costa (1976). *Agron. Sulriograndense*, **12**: 147-162. (C.A. Norman, A.G. Soybean physiology, Agronomy and Utilization. Academic press, New York).
- Begg, J.E. and N.C. Turner (1976). Crop water deficits. *Advances in Agron.* **28pp.** 189.

- Bralts, V.F. and I.P. Wu (1979). Emitter flow variation and uniformity for drip irrigation. Trans. of the ASAE. paper No. 79. ASAE st. Joseph, Mi 49085, 34pp.
- Bralts, V.F.; I.P. Wu and H.M. Gitlin (1981). Drip irrigation uniformity considering emitter plugging. Trans. of the ASAE, **24 (4)**: 1234-1240.
- Bralts, V.F.; I.P. Wu and H.M. Gitlin (1982). Emitter plugging and drip irrigation lateral line hydraulics. Trans. of the ASAE, **25 (5)**: 1274-1281.
- Bralts, V.F.; M.E. Donald and K.D. Charles (1985). Field evaluation of drip/trickle irrigation submain units. Drip/trickle irrigation in action. Proc. 3rd. Int. Drip/ trickle irri. Cong., **1**: 18-21, Fresno, CA, USA.
- Bucks, D.A.; O.F. French and F.S. Nakayama (1980). Keys to successful trickle irrigation management and maintenance. Proc. 14th Nat. Agric. Plastics Cong. Tucson, Arizona, USA: 1-8.
- Cassel, D.K.; A. Bauer and D.A. Whited (1978). Management of irrigated soybeans on moderate coarse textured soil. Agron. J. **70**: 100-104.
- Chiaranda, F.Q.; G. Barbieri; L. Cuocolo; G. Mariani; P. Montemurro; F. Quaranta; A. Spanu; A. Martorella and D. Pruneddu (1988). Summer sown maize: water consumption and yield in relation to sowing rate and the criteria for applying irrigation. Intermatore Agrario, **44 (49)**: 91-97.
- Christiansen, J.E. (1942). Irrigation by sprinkling. Cal. Agric. Exp. Sta. Bull. No. 570.

- Costa, J.O.; L.G.R. Ferreira, F.D.E. Souza (1988). Yield of maize under different levels of water stress. (*c.f.* Soils and Fertilizers, **54** (6): 74-84).
- Dornbos, Jr; R.E. Mullen and R.M. Shibles (1989). Drought stress effects during seed fill on soybean seed regimation and vigor. Crop Sci., **29**: 476-480.
- Duncan, B.D. (1955). Multiple range and multiple F tests. Biometrics, **11**: 1-42.
- Eid, H.M.; M. El-Taweel; M.A.M. Ibrahim; N.G. Ainer; M.A.; Sherif; M.M. Wahba; K.K. Abdel-Malak; A.E. El-Kader and G.M. Gad El-Rab (1988). Controlled irrigation for field crops production on the context of improved farming system at Minya. Soil and water Res. Inst. CAR Conf. Field Irrigation and Agrocimatology, paper 9.
- El-Awady, M.N. and M.M. Hegazi (1987). The most economical size for irrigation pipe. Conf. AG. Sc. Food Defic. Overcoming through Autonomous Efforts in Egypt, **2**: 422-429.
- El-Berry, A.M. (1989). Design and utilization of subsurface drip irrigation system for fodder production in arid lands. Misr J. Agric. Eng., **6** (2): 153-165.
- El-Gindy, A.M. (1984). Optimization of water use for pepper crop. Annals Agric. Res. J. Fac. Agric. Ain Shams Univ., **29**: 539-556.
- El-Refaie, M.A.; A.Y. Badawi; H.W. Tawadros; M. Hassanien and A.A. El-Shabbagh (1988). Effect of water regime and nitrogen fertilizer on maize

production and its consumptive use. Proc. Conf. field irrigation and Agroclimatology, Giza, Egypt.

El-Sherif, W.A.; O.M. Judeh and M.A. Suwwan (1988). Water requirement and scheduling irrigation for wheat corn under sprinkler irrigation in the Jordan valley. (*c.f.* soils and Fertilizer, **51 (3)**: 1940-1988..

El-Wakel, A.H. (1979). Studies on water requirements of some soybean varieties. M. Sc. Thesis, Fac. Agric., Cairo Univ.

Eweida, M.H.T.; N.F. Dawla; M.H. Fayed and M.M. Shahin (1986). Effect of plant density and irrigation at different soil moisture levels on maize yield and its components. Annals Agric. Sci. Moshtohor, **24 (3)**: 1251-1259.

FAO, Irrigation and Drainage, paper 24 (1975). Rome.

FAO, Irrigation and Drainage, paper 29 (1976). Water quality for irrigation. Rome.

FAO, Irrigation and Drainage, paper 33 (1979). Rome.

FAO, Irrigation and Drainage, paper 36 (1980). Localized irrigation. Rome.

Fukui, J. and M. Ojima (1957). Influence of soil moisture content on the growth and yield of soybean (v) changes of carbohydrates and nitrogen in soybean plant as affected by deficient or excessive soil moisture content at various growing periods. Proc. Crop Sci. Japan, **26**: 40-42. (*c.f.* Field crop Abst., **11**: 606).

- Hall, B.J. (1974). A staked tomato drip irrigation in California. 2nd Int. drip irri. Cong., CA, pp. 480.
- Hansen, E.V.; C.W. Israelson and G.E., Stringham (1979). Irrigation principles and practices. 4th ed. John Wiley & sons.
- Heermann, D.F.; W.W. Wallender and M.G. Bos (1990). Farm irrigation systems. ASAE, Monograph, No.9. 1040 pp.
- Ismail, S.M. (1983). Hydraulic simulation of drip irrigation system. Alex. J. Agric. Res., **38** (2): 25-43.
- Jana, P.K. and A.M. Pusta (1985). Effect of soil moisture tension on yield, evapo-transpiration and water use efficiency of winter maize. Indian J. Agron., **30** (3): 353-357.
- Jensen, M.E. (1981). Design and operation of farm irrigation systems. ASAE, Monograph, No.3. 809 pp.
- Jones, G.W. (1983). Irrigation options to avoid critical stress: optimization of on-farm water allocation to crops. In (H.M. Taylor eds.) Limitations to efficient use of water in crop production, 507-516. Madison, WI, Am. Soc. of Agron: 507-516.
- Keller, J. and D. Karmeli (1974). Trickle irrigation design parameters. Trans. of the ASAE, **17** (4): 678-684.
-

- Keller, J. and D. Karmeli (1975a). Trickle irrigation design. Rain bird sprinkler. Mfg. Corp. Glendora, CA. 133 pp.
- Keller, J. and D. Karmeli (1975b). Trickle irrigation design parameters. Trans. of the ASAE, 17 (A): 678-684.
- Khedr, E.F.A.; S.E.G. Matta; M.F. Wahba and M.M. Kaliey (1996). Effect of water regime on yield of some maize cultivars and water relations. Bull. Fac. Agric., Univ. Cairo, 47: 87-98.
- Konno, S.; J. Fukui and M. Ojana (1964). Influence of soil moisture conditions on chemical competition and seed formation of soybean plant. Bull. Nutr. Inst. Agric. Sci. Tokyo, 11: 111-149. (c.f. Crop Abst., 18: 791).
- Mbagwu, J.S.C. and J.O. Osuigwe (1985). Effects of varying levels and frequencies of irrigation on growth, yield, nutrient uptake and water use efficiency of maize and cowpeas on a sandy loam ultisol. Plant and Soil, 84 (2): 181-192.
- Meleha, M.I. (1992). Effect of intercropping of soybean with corn on yield and water consumptive use. M. Sc. Thesis, Fac. Agric. Moshtohor Univ., Egypt.
- Meriam, J.L. and J. Keller (1978). Farm irrigation system evaluation, a guide for management. 3rd ed., Utah state Univ., Logan, 285 pp.
- Miseha, W.I; M.A. Sherif; S.A. Abdel-Hafez; M.A. Metwally; H.W. Tawadros and A. Serry (1988). Effect of drought conditions at different stages of plant growth on corn production. Proc. Conf. Field irri. Agroclimatology, Giza.

- Mjelde, J.W.; R.D. Lacewell; H. Talpaz and C.R. Taylor (1992). Management of farm irrigation system. ASAE, Monograph, No.9. 1040 pp.
- Monnocchi, F. and P. Mecarelli (1994). Optimization analysis of deficit irrigation systems. J. Irri. Drain. Engrg., **120 (3)**: 484-503.
- Monteiro, M.A.R.; E.F.Da Costa; A.R. Gheiy; J.M. Pinto and E.F.Da Costa (1989). Effect of nitrogen rates and irrigation levels on green maize yield. Pesquisa Agropecuaria Brasileira, **24 (6)**: 741-749.
- Musick, J.T. and D.A. Dusek (1980). Irrigated corn yield response to water (*c.f.* Field Crop Abst.,) **34 (1)**: 147.
- Nakayama, F.S.; D.A. Bucks and A.J. Clemmens (1979). Assessing trickle emitter application uniformity. Trans. of the ASAE, **22 (4)**: 816-821.
- Nakayama, F.S. and D.A. Bucks (1981). Emitter clogging effects on trickle irrigation uniformity. Trans. of the ASAE, **24 (5)**: 77-80.
- Pandy, N.; R. Dhurandher and R.S. Tripathi (1995). Effect of irrigation and nitrogen on nodulation, N accumulation and seed yield of soybean (*Glycine max*). Indian J. Agron., **40 (2)**: 306-308.
- Pair, G.H. (1983). Irrigation (formerly sprinkler irrigation). The irri., Assoc., Silver Spring, Maryland, 686 pp.
- Peng, G.F.; I.P. Wu and C.J. Phene (1986). Temperature effects on drip line hydraulics. Trans. of the ASAE, **29 (5)**: 211-215.
-

- Phene, C.J. and R.C., Phene (1986). Drip irrigation systems and management. Asian and Pacific Council Seminar on Efficient Use of Water of Upland Crops in Suweon, Korea. 36 pp.
- Sammis, T.W. and I.P. Wu (1985). Effect of drip irrigation design and management on crop yield. Trans. of the ASAE, **28 (3)**: 832-838.
- Santos, F.L. (1990). Optimal irrigation system selection: a multiperiod quadratic programming approach. Unpublished Ph.D. dissertation. Tucson, AZ, Univ. Arizona.
- Santos, F.L. (1996). Quality and maximum profit of industrial tomato as affected by distribution uniformity of drip irrigation system. Irrigation and Drainage Systems **10**: 281-294.
- Sharaf, G.A. (1996). Optimal design of trickle irrigation submain unit. Misr. J. Agric. Eng., **13 (3)**: 501-514.
- Sherif, M.A. (1983). Physiological studies on the effect of soil moisture levels on soybean (*Glycine max* L.). Ph. D. Th., Plant Physiol., Fac. Agric. Moshtohor, Zagazig Univ., Egypt.
- Singh, S.D.; J.P. Gupta and Panjob Singh (1978). Water economy and saline water use by drip irrigation. Agronomy, J. **70**: 948-995.
- Skaggs, R.W. and A. Tabrizi (1983). Optimum drainage for corn production. North Carolina Agric. Res. Serv. Tech. Bull., 274.

Snedecor, G.W. (1956). Statistical methods. 5th ed., The Iowa state Univ. press., Ames. Iowa, USA.

Solomon, K.H. (1979). Manufacturing variation of trickle emitters. Trans. of the ASAE, **22 (5)**: 1034-1038.

Solomon, K.H. (1985). Global uniformity of trickle irrigation system. Trans. of the ASAE, **28 (4)**: 1151-1158.

Warrick, A.W. and S.R. Yates (1987). Crop yield as influenced by irrigation uniformity. Adv. in irri., **4**: 169-180.

Wesseling, J. (1974). Crop growth and wet soils. In drainage for agriculture, ed. J. van Schilfgaarde, 7-37. Madison, WI, Am. Soc. of Agron.

Wu, I.P. (1985). A uni-plot for drip irrigation lateral and submain design. Trans. of the ASAE, **28 (2)**: 522-528.

Wu, I.P. and H.M. Gitlin (1974). Design of drip irrigation lines, HAES. Tech. Bull. 96. Univ. Hawaii, Honolulu, Hawaii, 22 pp.

Wu, I.P. and H.M. Gitlin (1983). Drip irrigation application efficiency and schedules. Transactions of ASAE, **26 (1)**: 92-99.

Yagev, E. and Y. Choreshe (1974). Drip irrigation in citrus orchards. 2nd Int. drip irri. Cong., CA, 456-461.

Yamamoto, T. and T. Cho (1982). Salt water irrigation. Soils and Fert., **45**: 57-58.