

BIBLIOGRAFIA

Ahmadi, S.H., Andersen, M.N., Plauborg, F., Poulsen, R.T., Jensen, C.R., Sepaskhah, A.R., Hansen, S., 2010a. effects of irrigation strategies and soils on field grown potatoes: Gas exchange and xylem [ABA]. *Agri. Water Management*, 97: 1486-1494.

Bagayoko, M., Mason, S.C., Sabata, R.J., 1992. Effects of previous cropping systems on soil nitrogen and grain sorghum yield. *Agron. J.* 84: 862-868.

Baldoni R., Giardini L. 2000 “Coltivazioni erbacee” volume “Cereali e proteaginose” Ed. Pàtron editore pp.200-220.

Baldoni R., Giardini L. 2000 “Coltivazioni erbacee” volume “Piante oleifere, da zucchero, da fibra, orticole e aromatiche” Ed. Pàtron editore.

Blum, A. 1977. Basis of heterois in the differentiating sorghum panicle. *Crop Sci.* 17, 800-882.

Bradford K.J., 1986. Manipulation of seed water relations via osmotic priming to improve germination under stress conditions. *Hort. Sci.* 21:1105-1112.

Brown, P.L., Schrader, W.D., 1959. Grain yields, evapotraspiration and water use efficiency of grain sorghum under different cultural practices. *Agron. J.* 51: 339.

Bujalski W., Nienow A.W., 1991. Large-scale osmotic priming of onion seeds: a comparison of different strategies for oxygenation. *Sci. Hortic.* 46:13-24.

Caporali, F., Tellarini., 1991. Proposta per un modello di contabilità energetica: il caso di due agroecosistemi a diveso input di fattori esterni. *Genio rurale* 10, pp.21-28

Commissione Europea (2008): Proposta di Regolamento del Consiglio che stabilisce norme comuni relative ai regimi di sostegno diretto agli agricoltori nell'ambito della politica agricola comune e istituisce taluni regimi di sostegno a favore degli agricoltori, COM(2008) 306/4, Bruxelles, 20 maggio.

Commissione Europea, 1996. La politica agricola comune in evoluzione.

Copani, V., Patanè, C., Tuttobene, R., 1989. Potenzialità produttiva del sorgo zuccherino 8*Sorghum bicolor* (L.) Moench, quale fonte di biomassa a fini energetici. “Riv. Agron.”, 4. pp. 428-434

Copani, V., Patanè, C., Tuttobene, R., 1989. Potenzialità produttive del sorgo zuccherino (*Sorghum bicolor* (L.) Moench) quale fondi biomassa a fin energetici. Riv. Agron. 23, 428-434.

Cosentino , S.L., Riggi, E., Mantineo, M., 1997. Sweet sorghum (*Sorghum bicolor* (L.) Moench) performance in relation to soil water deficit in the South Italy. Proc. “First International Sweet Sorghum Conference”. Beijing, China, 14-19 September, 430-442.

Cosentino S.L., Copani V., Mantineo M., Foti S., 2002. Risposta di una coltura di sorgo [*Sorghum bicolor* (L.) Moench] a diversi livelli di energia ausiliaria. Riv. di Agron. 36:357-365.

Cosentino S.L., Copani V., Patanè C., Mantineo M., D'Agosta G., 2008. Agronomic, energetic and environmental aspects of biomass energy crops suitable for Italian environments. Ital. J. Agron. 3:81-95.

Cosentino, S.L., 1996. Crop physiology of sweet sorghum (*Sorghum bicolor* (L.) Moench in relation to water and nitrogen stress. Proc. First European Seminar on Sorghum for Energy and Industry. Toulouse, Francia, Aprile, 1-3, 1996. 30-41.

Cosentino, S.L., Copani, V., Mantineo, M., 2001. Perdite e asportazione di azoto in sorgo da biomassa a diversi livelli di input. Atti XXXIV Convegno SIA, Pisa 17-21 Settembre 2001.

Cosentino, S.L., Copani, V., Riggi, E., Mantineo, M., 1997. Comparison of different sweet sorghum (*Sorghum bicolor* (L.) Moench) genotypes in Mediterranean environment. Proc. “First International Sweet Sorghum Conference”. Beijing, China, 14-19 September, 444-445.

- Daskaleros, T., 1996.** Summary of the presentation of Mr. T. Daskaleros. Proc. First European Seminar on Sorghum for Energy and Industry. Toulouse, France, April, 1-3 1996, 4-5.
- Davies, W.J., Hartung, W., 2004.** Has extrapolation from biochemistry to crop functioning worked to sustain plant production under water scarcity? Proceeding of the 4th International Crop Science Congress, Brisbane, Australia, published on Cd-rom.
- De Pascale, S. and Barbieri, G., 1995.** Effect of soil salinity from long- term irrigation with saline-sodic water on yield and quality of winter vegetable crops. *Scientia Horticulturae*, 64, pp. 145- 157.
- Doggett, H., 1988.** Sorghum Tropical Agricultural Series. Longman, London.
- Doorembos e Pruitt, 1977 Doorembos J., Pruitt W., 1977.** Guidelines for prediction crop water equirements. FAO Irrigation and Drainage, paper 24 (revised), Roma.
- Dry, P.R., Loveys, B.R., During, H., 2000.** Partial root zone drying of grape. II. Changes in the pattern of root development. *Vitis*, 39: 9-12.
- Ducan, R.R., Bockholt, A.J., Miller, F.R., 1981.** Descriptive comparison of senescence of senescent and nonsenescence sorghum genotypes. *Agron. J.* 73: 849.
- Fisher, K.S., Wilson, G.L., 1971.** Studies of grain production in *Sorghum vulgare*. 1. The contribution of preflowering photosynthesis to grain yield. *Aust. J. Agric. Res.* 22: 33-37.
- Foti S., Cosentino S.L., 2001.** Colture erbacee annuali e poliennali da energia. *Tecnica agricola*, anno LIII, n. 1-2 Gennaio-Giugno.
- Foti S., Cosentino S.L., 2001.** Colture erbacee annuali e poliennali da energia. *Rivista di Agronomia.*, 35: 200-215.
- Foti S., Cosentino S.L., 2001.** Colture erbacee annuali e poliennali da energia. *Tecnica Agricola*, 1-2, 1/16.

- Foti S., Cosentino S.L., Patanè C., D'Agosta G., 2002.** Effect of osmoconditioning upon seed germination of sorghum [*Sorghum bicolor* (L.) Moench] under low temperatures. Seed Sci. Technol. 30:521-533.
- Foti, S., Cosentino, S.L., Copani, V., Patanè, C., Guarnaccia, P., 1997.** “Land suitability” di colza (*Brassica napus* L. var. *oleifera* D.C). e sorgo zuccherino (*Sorghum bicolor* (L.) Moench) in Sicilia. Riv. Di Agron., 2: 454-464.
- Foti, S., Cosentino, S.L., Copani, V., Patanè, C., Guarnaccia, P., 1996.** Growth and yield of C4 species for biomass production in Mediterranean Environmental. Proc. 9th European Bioenergy Conference “Biomass for Energy and the Environmental”, 616-621.
- Franzluebbers A.J., Francis C.A., 1995.** Energy output-input ratio of maize and sorghum management system in eastern Nebraska. Agric. Ecosystems and Environment 53. pp 271-278
- Gilley, J.R., Watts, D.G., Sullivan, C.Y., 1980.** Management of irrigation Agriculture with a limited water and energy supply. Institute of Agriculture and Natural Resource, University of Nebraska, Lancon, Nebraska.
- Glover, J., 1959.** The apparent behavior of sorghum stomata during and after drought. J. Agric. Sci. 12: 172.
- Gosse G., 1996.** Overview on the different “filieres” for industrial utilization of sorghum. Proceeding “First Seminar on Sorghum for Energy and Industry”. Toulouse, 1-3 Aprile 1996. 11-14.
- Grassi, G., 1989.** Definition d’un programme Biomasse. Bioenergy European Science & Tecnology: BEST. Elvisir Applaied Science, London pp. 39-43
- Grassi, G., Moncada, P., Zibetta, H., 1992.** Promising Industrial Energy Crop Sweet Sorghum. Commission of the European Communities.

- Greenway H, Munns R (1980).** Mechanisms of salt tolerance in non halophytes. *Ann Rev Plat Physiol* 31: 149-190.
- Grimes, D.W., Walhood, V.T., Dickens, W.L., 1968.** Alternate-furrow irrigation for San Joaquin valley cotton. *California Agri.*, 22: 4-6.
- Hanegrass, M.C., Biewinga, E.E., Van Der Bijl, G., 1998.** Assessing the ecological and economic sustainability of energy crops. *Biomass and Bioenergy*, 15: 345-355. CPL Press, Newbury, 1994, 44-56.
- Hsiao, T.C., Acevedo, E., 1974.** Plant responses to water deficits, water use efficiency and drought resistance. *Agric. Meteorol.* 14, 59-84.
- Iaboni V., De Stefanis P. (2003)** – “La valorizzazione delle scorie di combustione dei rifiuti urbani”, *Energia Ambiente e Innovazione* Vol. 4 pag. 54 (luglio agosto).
- INEA (Istituto Nazionale di Economia Agraria) 2000:** La modulazione degli aiuti diretti della PAC in Italia. Prime valutazioni, Osservatorio sulle politiche agricole dell'UE, Roma.
- ISTA., (1996)** *Seed Science and Technology*, supplement 24.
- Jordan, D., Bruce, R.R., e Coleman, D.C., 1996.** Nitrogen availability to grain sorghum from organic and inorganic sources on sandy and clay soil surfaces in a green house pot study. *Biol. Fertil. Soils* 21, 271-276.
- Kaltschmitt, M., Lewandowski, I., Stelzer, T., Bohn, A., 1996.** EECO Country report for Germany . University of Hohenheim.
- Khan A.A., Satriyas I., Ptaszniak W., 1995.** Integrating low water potential seed hydration with other treatments to improve cold tolerance. *Ann. Bot.*, 75:13-19.
- Kriedmann, P.E., Goodwin, I., 2003.** Regulated deficit irrigation and partial root zone drying. *Irrigation insights* no. 4, Land and Water Australia, Canberra, 102p.

- Krieg, D.R., Ackerson, R.C., Sung, F.J.M., Leeton, B., 1978.** Genotypic differences in photosynthetic activity of sorghum in response to water stress. Agron-Abstracts, Amer. Soc. Agron.
- Lambert, L., 1995.** Bilans énergétiques et écologiques de la culture et de la combustion du *Mischanthu sinensis* “Giganteus” en comparaison avec le bois et le fuel domestique. FAT et ESITPA, 119 pannexes.
- Loveys, B.R., Stoll, M., Dry, P.R., McCarthy, M.G., 2000.** Using plant physiology to improve the water use efficiency of horticultural crops. *Acta Horticulturae*, 537: 187-197.
- Lynd, L.R., J.P. Weimer, H.V. Willem and S.P. Isak. 2002.** Microbial cellulose utilization: Fundamentals and biotechnology. *Microbiol. Mol. Biol. Rev.*, 66(3): 506-577.
- Mantineo, M., Cosentino S.L., Goesse, G., Chartier, M., 1996.** The prediction of leaf appearance in sweet sorghum in relation to air temperature and photoperiod. Proc. First European seminar on sorghum foe energy and industry 273-279.
- Mass, E.V., 1984.** Salt tolerance of plants. In: *Handbook of Plant Science in Agriculture*. Ed. Cristie. CRC. Press, Boca Raton, Florida.
- Mauro, S., Lannoye, R., 1992.** The light harvesting chlorophyll-protein complex of sweet sorghum (*Sorghum bicolor* (L.) Moench and their involvement in adaptation to low temperartures. *Atti della VI Conferenza Internazionale su “Biomassa per Energia Industriale ed Ambiente”*, eds. G. Grassi, A. Collina, H. Zibetta, Elvisir Applied Science, London, pp. 248-252
- McBee, G.G., Miller, F.R., 1982.** Carbohydrates in sorghum culms as influenced by cultivars, spacing and maturity over a diurnal period. *Crop Science*, 22, 381-384.
- McBee, G.R., 1984.** Relation of senescence, non-senescence, and kernel maturity to carbohydrates and carbohydrate metabolism in sorghum. In: ICRISAT. *Sorghum root and stalk tots, a critical review: Proc. of the consultative group discussion on research needs*

and strategies for control of sorghum root stalk rot disease, 27 Nov. -2 Dic., Bellagio, Italia.

Michel B.E., Kaufmann M.R., 1973. The osmotic potential of polyethylene glycol 6000. *Plant Physiol.* 51:914-916.

Miller, E.C., 1923. Relative water requirements of corn and sorghum. Kansas Agriculture Experiment Station Technical Bulletin, no 12. Manhattan, Kansas.

Miller, F.R., 1982. Genetic and environmental characteristics of sorghum. In: House L.R., Mughogho L.K; Peacock J.M. (eds) *Sorghum in Eighties*. ICRISAT, Patancheru AP., India.

Oegema T., Posma G. 1994. Rapportage Analyse Biodiesel, Institute for Environmental and System Analyses (IMSA), Amsterdam.

Patanè C, Cavallaro V, D'Agosta G, Cosentino S. 2008. Plant Emergence of PEG-osmoprimed Seeds Under Suboptimal Temperatures in Two Cultivars of Sweet Sorghum Differing in Seed Tannin Content. *Journal of Agronomy and Crop Science*, vol. 3; 1-6, ISSN: 0931-2250.

Pereira L.S., Oweis T. e Zairi A., 2002. Irrigation management under water scarcity. *Agric. Water Manag.*, 57, 175-206.

Perinola, M., Tarantino, E., Quaglietta Chiarandà. F., 1997. Intercettazione, efficienza d'uso e rendimento energetico della radiazione in colture di sorgo zuccherino (*Sorghum bicolor* (L.) Moench var. *saccharatum*) e Kenaf (*Hibiscus cannabinus* L.) in condizioni di diversa disponibilità idrica. *Riv. Di Agron.*, 31,3, 590-599.

Pessaraki, M. (Ed.). 1994. Handbook of Plant and Crop Physiology, Marcel Dekker, Inc., New York, 1024 p. production. *Transactions of the ASAE*, 19: 1089-1093.

Pimental, d. And m., 1979. Food Energy and society. Ed. Edward Arnold.

- Porcheron, P., Lenoble, S., Varlet-Grancher, C., Chartier, M., 1992.** Adaptation of different sorghum types to european conditions: tentative screening for chilling tolerance. Atti della VI Conferenza Internazionale su” Biomassa per Energia, Industria ed Ambiente,” eds. G. Grassi, A. Collina, H. Zibetta, Elvisir Applied Science, London. pp. 268-269
- Potter, L., Baker, M., Scott, J., Billsborough, J., Long, S.P., 1992.** Interspecific and intraspecific variation in the chilling tolerance of photosynthesis of some C4 biomass crops. Atti della VI Conferenza Internazionale su “Biomassa per Energia Industriale ed Ambiente”, eds. G. Grassi, A. Collina, H. Zibetta, Elvisir Applied Science, London. pp. 243-247
- Reddy BVS., Ramesh S., Reddy PS., Ramaiah B., Salimath PM., Kachapur R. (2005).** Sweet Sorghum–A Potential Alternate Raw Material for Bio-ethanol and Bio-energy. Int. Sorghum Millets Newslett. 46: 79–86.
- Ripa, V.F., 1992.** Influence of water status of a crop of sweet sorghum on the amount of sunlight intercepted and biomass production. Thesis, Univ. of Bari, Ist.Agron. Gen. e Colt. Erbacee, 95 pp.
- Ritchie, J.T., Burnet, F., 1971.** Agron. J. 63, 56-62.
- Rosa F., (2007)** Ifeco Modelling The Agro-Fuel Chain For Energy Cogeneration Innovation and System Dynamics in Food Industry, Innsbruck – Igls.
- S.J. Scott, R.A. Jones, W.A. Williams, Crop Science, (1984) 1192-1198.**
- S.P. Singh, (1985)** Canadian Journal of Plant Science, p 251-257.
- Saballos A., 2008.** Development and Utilization of Sorghum as a Bioenergy Crop. Genetic Improvement of Bioenergy Crops. Springer Science; 2008, p 211-248.
- Samadi, A., Sepaskhah, A.R., 1984.** Effects of alternate furrow irrigation on yield and water use efficiency of dry beans. Iran Agric. Research, 3: 95-115.

- Sanchez-Diaz, M.F., Kramer, P.J., 1971.** Behaviour of corn and sorghum during stress and during recovery. *Plant Physiol.* 48: 613.
- Sardone R. (2008):** Politica energetica e politica agricola dell'UE: la salvaguardia dell'ambiente natural come elemento di coesione, in A. ZEZZA (a cura di): *Bionergie: quali opportunità per l'agricoltura italiana*, Studi e Ricerche, INEA, ESI, Napoli.
- Scharmer, K., 1995.** Study of energy balance, environmental impacts and cost effectiveness of the production of methyl ester from vegetable oil in Europe as an alternative to the use of fossil diesel oil, GET, Gesellschaft fur Entwicklungstechnologie.
- Sepaskhah, A.R., Sichani, S.A., 1976.** Evaluation of subsurface irrigation spacings for bean production. *Canadian Agricultural Engineering*, 18: 23-26.
- Sepaskhah, A.R., Sichani, S.A., Bahrani, B., 1976.** Subsurface and furrow irrigation evaluation for bean.
- Sharma K.K., Lavanya M., 2002:** Recent developments in transgenics for abiotic stress in legumes of the semi-arid tropics. *JIRCAS Working Report*: 61-73.
- Snedecor G.W., Cochran W.G., 1989.** *Statistical Methods*, 8th edn. Iowa State University Press, Ames, IA,USA.
- Subramanian, V., Prasada, Rao, K.E., Mengesha, M.H., Jambunathan, R. 1987.** Total sugar content in sorghum stalks and grains of selected cultivars from the world germoplasm collection. *J.Sci. Food Agric.* 39:289.
- Sung, G.J.M., Krieg, D.R. 1978.** Genotypic differences in photosynthate partitioning of sorghum as affected by water stress. *Agron. Abstracts, Americ. Soc. Agron.*
- Taschner, R., 1993.** Who need biofuels, European Environmental Bureau, Bruxelles.
- Van Bavel, C.H.M., Ehler, W.H., 1967.** *Agron. J.* 59, 243-246.
- Vanderlip, R.L., Reeves, H.E., 1972.** Growth stages of sorghum. *Agron. J.* 64, 13-16.

Webster, J.E., Seglinger, J., Davies, F., 1984. Chemical composition of sorghum plants at various stages of growth, and relation of composition to chinch bug injury. Oklahoma Agricultural Experiment Station Bulletin T-30, Stillwater, Oklahoma.

Yang, Y.W., Newton R.J, Miller f.r., 1990. Salinity tolerance in *Sorghum* . I. Whole plant response to sodium chloride in *S. bicolor* and *Sorghum halepense*. Crop Science, 30, 775-781.