REFERENCES

References

A. A. C. C. (1990): American Association of cereal chemists. Approved methods of the A. A. C. C. , 8th e d. the Association : St. Paul, M. N.

Abd - El- Aal, A. M. (1991): Effect of irrigation systems and nitrogen levels on the growth and yield of wheat. Ph. D. Thesis, Fac. of Agric. El-Mansoura Univ.

Abdel - Fattah, A. A. E. (1982): Water requirements of wheat and its effect on some grain quality characters. Ph. D. Thesis Fac. of Agric. Ain Shams Univ.

Abd - El- Fatah, Nagwa, R. (1995): Effect of fertilization on growth, yield and some technological characteristics of some new bread wheat cultivars. Ph. D. Thesis, Fac. of Agric. Moshtohor, Zagazig Univ. Egypt.

Abd - El- Hady, M. A.; M. S. El-Habbal; Nemat A. Noureldin and M. F. Hamed (2006): Response of wheat productivity and quality to bioorganic and inorganic fertilizers. Annals Agric., Sci., Ain Shams Univ., Cairo, 51 (1): 103-111.

Abd- El-Hakem, Y. A. (1996): Management of nitrogen fertilization for wheat in sandy calcareous soil. Assiut J. Agric. Sci., 27 (2): 157-168.

Abd- El-Hameed, A. M.; S. H. Sarhan and H. Z. Abd El-Salam (2004): Evaluation of some organic acids as

foliar application on growth, yield and some nutrient contents of wheat. J. Agric. Sci. Mansoura Univ., 29 (5): 2475-2481.

Abd-El-Hamed, Nawal, A.; M. M. Hussein and M. M. Zein El-Din (1986): Technological characteristics of wheat grains as affected by nitrogen fertilizer and water supply. Egypt. J. Agron., 11 (1-2): 25-34.

Abo- El- Kheir, M. S. A. (2000): Antiranspirant effects on wheat plants grown under two levels of water supply. Annals of Agric. Sci., Moshtohor, 38 (2): 823-832.

Abou- El-Ela, Sabah, H. (2001): Response of some wheat varieties to mineral and biological nitrogenous fertilizer. Ph. D. Thesis, Fac. Agric., Moshtohor, Zagazig Univ., Egypt.

Abou- Salama, A. M.; A. A. Ismail, E. A. Teama and Kheiralla, K. A. (2000): Yield response of some wheat lines to nitrogen fertilization under two soil type. Assiut J. of Agric. Science,31(2): 175-186.

Abou-Salama, A. M.; E. A. Teama and A. Y. Allam (1995): Gradual application of nitrogen fertilization to wheat under sandy soil conditions. Assiut J. Agric. Sci., 26(3): 1-7.

Abu-Elela, R. A. (1996): Evaluation of some wheat varieties under new land conditions. M. Sc. Thesis, Fac. of Agric. Al-Azhar Univ.

Adarouze, Dalia, S. E. (1997): Biochemical studies on some organic acids in some plants. M. Sc. Thesis. Fac. Agric., Cairo Univ.

Anton, N.A.; A. S. Abd-El-Nour and A.Abd- El-Aziz (1999): Respons of barley to ascorbic, citric acids and micronutrient mixture under sandy soils condition. Zagazig J. Agric. Res., 26 (6) 1553-1563.

A. O. A. C. (1995): Official methods of Analysis of the Association of official Analytical Chemists. Washington, DC, USA. 2044.

Ayoub, M.; S. Guertin, J. Fregeau-Reid and D. L. Smith (1994): Nitrogen fertilizer effect on bread quality of hard red spring wheat in Eastern Canada. Crop Science, 34: 1346-1352.

Bhat, M. L.; A. Sen and N. M. Misra (1990): Rainfed wheat as affected by cycocel, ascorbic acid and gibberellic acid seed treatments. Rachis 9(1) : 17-20. (C. F. Field Crop Abst. 46, 3, 1423, 1993).

Biskupski , A.; Bogdanwiezowa, M. and Dziezyc , J. (1976): Effect of irrigation and intensive fertilization on crop yield and and grain quality of spring and winter wheat cultivars on light soil. Zeszyty problem owe posteow Nauk Rolniczych, 181, 269-288. (C.F. Field Crop Abst,32 (5): 2771,1979)

Crafts, A.S. (1968): Water deficit and physiological processes. In Kozlouski, T.T. (Ed) water deficit and plant growth Academic Press, pp. 85-133. New York.

Dardiry, M. R. (1999): Effect of irrigation intervals, nitrogen and potassium fertilization rates on growth and yield of wheat (Giza 164) in Upper Egypt. Ph. D. Thesis, Fac. Agric., Minia Univ. Egypt.

Darwiche, A. H. (1994): Agricultural studies on wheat. Ph. D. Thesis, Fac. Agric. Zagazig Univ., Egypt.

Dawood, R. A. and I. N. Nassar (1993): Response of technological properties of wheat grains (*Triticum aestivum,* L.) to soil water matric potential (SWMP) at various growth stages. Assiut . J. of Agric . Sci., 24(3): 99-115.

Dawood, R. A. and K. A. Kheiralla (1994): Effect of watering regimes and nitrogen fertilization on productivity and quality of bread and durum wheat cultivars. Assiut J. of Agric. Sci., 25 (1): 361-389.

De Gara, L; F. Tommasi; R. Liso and O.Arrigoni (1991): Ascorbic acid utilization by prolyl hydroxlase in vivo. Phytochemistry 30: 1397- 1399(C.F. J. of plant growth regulation,51(2): 53-56.)

Dubois, M.; Gilled, K. A.; Hamilton, J. K.; Rebers, P. A. and F. Smith (1956): Colorimetric method for determination of sugars and related substances. Annal Chem. Soc, 46: 1662- 1669.

Duncan, D. B. (1955): Multipe Range and multiple "F" Test. Biometrics, 11: 1- 42.

Edward, A. A. and Habieb, Nabila, B. (1993): Fertilizer and fertilization A. texet book, Anglo printing house, Cairo, Egypt. P. 38-39 (in Arabic).

El-Afandy, K. H. T. (2006): Effect of sowing methods and irrigation intervals on some wheat varieties grown under saline conditions at South Sinai. J. Agric. Sci. Mansoura Univ., 31(2): 573-586.

El-Defrawy, M. M.; K. A. Kheiralla and R. A. Dawood (1994): Effect of genotype, moisture stress and stability analysis on grain yield and some quality traits in wheat. Assiut J. of Agric. Sci., 25(1): 341-360

El-Douby, K. A. (1997): Effect of some preceding crops and nitrogen fertilizer on yield of some wheat cultivars. Egypt J. Appl. Sci., 12(4): 172-185.

El-Hawary, M. A. (2000): Evaluation of some wheat varieties under water deficit conditions. Zagazig J. Agric. Res., 27(4): 819-830

El-Kalla, S.E.; A.A. Leilah; A.H. Basiony and S.M. Hussein (1994): Effect of irrigation and foliar nutrition treatments on growth and yield of some wheat cultivars under Al-Arish area condition. Proc. 6th Conf. Agron. Al-Azhar Univ.(1)362-378.

El-Nagar, G. R. (2003): Yield and quality of some spring wheat genotypes subjected to different nitrogen fertilizer rates. Assiut of Agric. Sci., 34 (2) : 43-63.

El-Sherbeny, T. M. S. (2003): Effect of some treated plant residues applied to new reclaimed sandy soil on productivity of some crops using nucler techniques. M. Sc. Thesis, Fac. Agric. Moshtohor, Zagazig Univ., Egypt.

Fang, Baoting; Guo, Tinacai; Wang, Chenyang; He-Shengllen; Wang, Shuli and Wanf, Zhimin (2006): Effects of irrigation on grain quality traits and yield of Yuma 50 at two seasons with different soil water storage. J. of Triticeae crops, 26(3): 111-116.

Gill, M. S. and K. Kulwinderjit (2000): Effect of irrigation regimes rates of nitrogen on yield and quality. India J. of Agric. Research 36 (3-4): 180-186, 10 ref.

Grun, M. ; B. Renstorm and F.A. Loewus (1982): Loss of hydrogen from carbon of D- glucose during conversion of D- (5-H^3-b-C^{14}) glucose to L. Ascorbic acid in Pelargonium cripum L . Prodc. of Soil Fertility and Foliar fertilization Conf. Giza. Egypt, 14-15 Jan, No. 3 , pp 25-34.

Gupta, A.S. and G.A. Berkowitz (1988): Chloroplast osmotic adjustment and water stress effects on photosynthesis. Plant Physiol., 88: 200-206.

Gupta, A.S.; G.A. and Berkowitz P.A. Pier (1989): Maintenance of photosynthesis at low leaf water potential in wheat. Plant Physiol., 89: 1358-1365.

Hamed, A.M. and A.M. Hamada (2002): Grain soaking pre sowing in ascorbic acid or thiamin versus the adverse

effect of combined and drought on wheat seedling. Assiut J. Agric. Res., 24(2) 1101-1104.

Hefnawy, F. A. and M. F. Wahba (2003): Effect of water stress in late growth stages of some wheat cultivars. J. Agric. Sci. Mansoura Univ., 28(2): 729-745.

Helsper, J. P. ; L. Kagan ; J. M. Maynard and F.A. Loewus (1982): Ascorbic acid biosynthesis in Ochromonas danica. Plant Physiol., 69:485-468.

Hussein, Samira, M. A. (2005): Effect of supplemental irrigations, seeding rates and foliar application of potassium and macro- Micro elements on wheat productivity under rainfed conditions. Bull. Fac. Agric., Cairo Univ., 56:431-454.

I. A. E. A. (1990): International Atomic Energy Agency. Use of nuclear techniques in studies of soil- plant relation ships. Vinna., 2, 73-77.

I.C.C. (2007): International association for cereal science and technology. Draft Standard No.173.

Inskbashi, Y. and M.Iwaya(2006): Ascorbic acid suppress germination and dynamic states of water in wheat seeds. Plant production Sci., (9): 172-175.

Irfan, A.; S.M.A. Basra; F. Mohamed and A.Nawaz (2006): Alleviation of salinity stress in spring wheat by hormonal priming with ABA , Salisalic acid and ascorbic acid. International J. Agric. Biology, 8(1): 23-28.

Jaripeltonen and Arivirtanen (1994): Effect of nitrogen fertilizers differing in release characteristics on the quality of storage proteins in wheat. Cereal chemistry 71(1): 1-5.

Kassab, O. M. and H. A. El- Zeiny (2005): Effect of water stress and paclobutrazol on growth and yield of wheat plants. J. Agric. Sci. Mansoura Univ., 30 (4): 1881-1888.

Koehler, p. (2003): Effect of ascorbic acid in dough reaction of oxidized glutathione with reactive thiol groups of wheat glutelin. J. Agric. Food Chem.51:4954-4959.

Kramer, P. J. and J. S. Boyer (1995): Water relations of plants and soil (ed) Academic press San Diego. New York, Boston, London Sydney, Takyo, Toronto, pp 360-380.

Maforimbo Elizabeth, Minh Nguyem and Geoffrey R. Skurray (2006): The effect L – ascorbic acid on the rheological properties of soy-wheat dough: a comparison of raw and physical modified soy flours. J. of Food Engineering 72, 339-345.

Mehasen, S. A. S. (1999): Response of some wheat varieties to agrispan foliar application and nitrogen rates. Annals of Agric. Sci, Moshtohor, 37(2): 853-864.

Metwally, I.O.E.; A.M. Abd El-All and A.A. Leilab(1998): Effect of preceding summer crops and nitrogen fertilizer levels on growth, yield and yield components of wheat. Proc. 8th Conf. Agron. Suez Canal Univ., Ismailia, 28-29 Nov. P. 73-79.

Mohamed, A. K. (1992): Studies of consumptive use and irrigation scheduling in relation to nitrogen fertilization on wheat yield. Ph. D. Thesis, Fac. Agric., Ain Shams Univ.

Mohamed, A. S. (1999): Study on irrigation water requirements and fertilization and their effects on some physiological traits of wheat under newly reclaimed Nubaria region. Ph. D. Thesis, Fac. Agric. Moshtohor, Zagazig Univ., Egypt.

Morgan J.A. (1988): Growth and canopy carbon doxide exchange rate of spring wheat as effected by nitrogen status . Crop Sci., 28:95-100.

Mousa, I. A. I.; Y. A Negm; A.Y. El- Bashbishyand M. A. Hanyat (1994): Effect of different levels and source of nitrogen fertilizers and foliar application of ascorbic acid and some micronutrients on wheat production in sandy soil. Fayoum J. Agric. Res. Dev., 8 (1): 73-84.

Moussa, A. M. and H. H. Abdel-Maksoud (2004): Effect of soil moisture regime and yield and its components and water use efficiency for some wheat cultivars. Annals Agric. Sci., Ain Shams Univ., Cairo, 49 (2): 515-530.

MSTAT (1989): A microcomputer program for the design, management and analysis of agronomic research experiments. Michigan State University.

Munir, A. A. E.; El-Krmany, M. S. and Abo-Ellil (2000): Effect of irrigation and nitrogen fertilizer on yield and

yield components of some wheat cultivars. Al-Azhar J. Agric. Res., 32:73-88.

Negm, A. Y. (1998): Foliar application of ascorbic acid and copper to wheat plants grown in sandy soils. Egypt J. Appl. Sci., 13(5): 312-3129.

Oertil, J. J. (1987): Exoenous application of vitamins as regulators for growth and development of plant. Z. Pflanzenernahr. Bodenk.,150 (6):375-391.

Ozturk, A. and F. Aydin (2004): Effect of water stress at various growth stages on some quality characteristics of winter wheat. J. Agronomy and Crop Sci., 190:93-99.

Pechanek, U.; A. Karger; B. Charvat; G. Schoggl and T. Lelley (1997): Effect of nitrogen fertilization on quality of flour protein components, dough properties and bread making quality of wheat. Cereal chemistry. 74(6): 800-805.

Pomeranze, Y.(1988): Wheat chemistry and technology. V(1) edited by Pomeranze Washington State Univ. Pullman, Pomeranze, USA.

Rabie, M. H. and Negm, A. Y. (1992): Effect of ascorbic acid and nickel on wheat production. Proc. 5th Conf. Agron., Zagazig, 13-15 Sept. Vol. (1): 29-36.

Rharrabti, Y.; C. Royo,; D. Villegas; N. Aparicio and L. F. Garcia del Moral (2003): Durum wheat quality in Mediterranean environments I. Quality expression under

different zones, latitudes and water regimes across Spain. Field Crops Research. 80: 123-131.

Rickert, K. G.; R.H. Sedgley and W.R. Sterm (1987): Environmental response of spring wheat in the south western Austrial cereal Belt. Aust. J Agric. Res., 38:655-670 .

Sabrah, R.E.A.; R. K. Rabie and H.M. Abdel-Magid (1992): Effect of chemical and soil conditioner on wheat response to nitrogen fertilization in sandy soil of Saudi Arabia . J. Arid Environ. 23 (1) 71-79.

Sadek, Eman, M. and R. A. Mitkees (1997): Response of two wheat cultivars to different of nitrogen application at different irrigation intervals. Annual coordination meeting Agric. Res. Cent. Giza, Egypt, 132-138.

Salem, M. A. (2005): Effect of nitrogen rates and irrigation regimes on yield and components of bread wheat (*Triticum aestivum L.*) genotypes under newly reclaimed land conditions. J. Agric. Sci. Mansoura Univ., 30 (17): 6481-6490.

Salwau, M. I. M.(1981): Effect of irrigation on the yield and technological properties of wheat. M. Sc. Thesis, Fac. Agric., Moshtohor, Zagazig Univ.

Salwau, M. I. M. (1994): Effect of soil and foliar application of nitrogen levels on yield and yield components of wheat. Annals of Agric. Sci., Moshtohor, 32 (2): 705- 715.

Samiullah, A.A.S and M.R.K.Afridi. (1988): B- Vitamins in relation to crop productivity. India Rev. Life Sci., 8: 51-74

Scheromm, G. M.; A. Bergoin and J. C. Autran (1992): Influence of nitrogen fertilization on the potential bread quality of two wheat cultivars differing in their responses to increasing nitrogen supplies. Cereal chemistry,69 (6): 664-670.

Sendecor, G. W. and Cochran, W. D. (1980): Statistical Methods 7th

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

Sharaan, A. N.; F. S. Abd El- Samie and I. A. Abd El-Gawad (2000): Response of wheat varieties to some environmental influences II Effect of planting date and drought at different plant stages on yield and its components. Proc. 9th Conf. Agron., Minufiya Univ., 1-2 Sept.: 1-15.

Shorning, B. Y; S. V. Poleshchur ; I.Y. Gorbatatenro and B.F. Vanyushin (1999): Effect of antioxidants on plant growth and development. Biology Bull Russian Academy Sci., 26 (1): 23-29.

Soliman, Salwa, E. (2006): Productivity of some Gemmeiza wheat cultivars under different sowing and N fertilization levels. J. Agric. Sci. Mansoura Univ., 31(11): 6873-6885.

Sowers, Karen, E.; W. L. Pan; B. C. Miller and J. L. Smith (1994): Nitrogen use efficiency of split nitrogen applications in soft winter wheat. Agron. J., 86: 942-948.

Stickler, F. C.; S. Wearden and A. W. Pouli (1961): Leaf area determination in grain sorhgum. Agron. J., 53(3): 187-188.

Stoskopf, N.C.(1985): Cereal grain crops. Reston Publishing Company, Inc. A. Prentice-Hall Company, Reston, Virginia, U.S.A.

Sud, Y. K.; R. P. Arora and D. L. Deb (1990): Nitrogen uptake and its utilization by wheat grow on a typic ustochrept as affected by soil moisture regimes and nitrogen management. India Annals Agric. Res. 11(2): 139-148.

Toaima, S. E. A.; Amal A. El-Hofi and H. Ashoush (2000): Yield and technological characteristics of some wheat varieties as affected by N-fertilizer and seed rates. J. Agric. Asci. Mansoura Univ., 25 (5): 2449-2467.

Vites, F. G. (1965): Increasing water use efficiency by soil management plant environment and efficient water use efficiency. American Society of Agron.

Wang, X.Y.; W.B. peng; J.M. Cui and H.J. Zhao(1995): The effect of organic acid , boron and zinc on the metabolism of active oxygen during filling and grain weight of wheat . Agric., Sci, 28(1): 69-74.

Wintermans, J. F. and A. Demots (1965): Spectrophotometer characteristic of chlorophylls a and b their pheophytin in ethanol. Biochem. Biophys. Acta, 109,448-453.

Yamamoto, H.; S.T.Worthington, G.Hou and P.K.W.ng.(1996): Rheological properties and baking qualities of selected soft wheats grown in the United States. Cereal Chem. 73(2): 215-220.

Yong-qing Jia; M. Veronique; F. Jean-Luc and D. Philipp (1996): Effect of nitrogen fertilization and maturation conditions on protein aggregates and on the bread making quality of Soissons, at common wheat cultivar. Cereal Chem. 73(1):123-130.

Zade, K. B.; D. G.Vitkare ; G. N. Satpute and N. G. Zode (1995): Grain yield improvement in wheat by foliar spray with chemicals and growth promoters. Annals of plant Physiology, 9 (2) : 158-160.

Zaher, S. A. M. (1996): Effect of some agricultural treatments on growth and yield of wheat and associated weeds. Ph. D. Tesis, Fac. Agric. Moshtohor, Zagazig Univ., Egypt.

Zewail ,Y .M . R.(2007): Improvement of wheat productivity by using some biofertilizers and antioxdants . M.Sc. Thesis, Fac. Agric., Moshtohor ,Banha Univ.

Zhang, G. and M. Stanley (1994): Comparative studies on effect of delaying wheat leaf senescence by some chemicals. Acta. Agric. Zhejiangensis , 6(2): 94-97.

Zohary, A. A.; M. A. Haikel and F. A. Zahran (1998): Influence of seed rates and nitrogen sources on wheat plant grown in reclaimed soil under sprinkler irrigation system. J. Agric. Sci. Mansoura Univ., 23(1):4751-4759.