REFERENCES

Abd El-Gawad, K.I. 1981. Studies on some factors influencing the productivity of some fodder corps (Sorghum bicolor (L.). Moench) Ph. D. Thesis, Fac. of Agric. Cairo Univ.

A.O.A.C. 1975. Association of Official Agricultural Chemists. Official Mehtod of Analysis, 7 th ed. Washington D.C.

Azeredo, M.W.C.; Fontes, L.A.N. and Cardose, A.A. 1978. Effect of sowing date and rates of nitrogen and phosphorus fertilizers on grain and forage yield and some characteristics of sorghum. Experimentia 20: 313-329. (c.f. Field Crop Abst. 1979, 31 , 2466).

Bala,N.D.; Sadaphal, M.N. and Wright, B.C. 1972. Effect of nitrogen fertilization and plant population on hybrid sorghum (CSH-1). Indian. J. of Agron. 17: 128-132.

Balasubramanian, K.A. 1974. Rate of date of seeding, soil moisture, temperature and ph in the incidence of downg mildew of sorghum. Plant and Soil 41: 233 - 241.

Benson, J.A.; Gray, E. and Fribourg, H.A. 1969. Relation of Hydrocyanic acid potential of leaf samples to that of whole plants of sorghum. Agron. J. 61: 223 - 224.

Bertrand, J. and Gervais, P. 1972. Preliminary report on the Hydrocyanic acid content of some fodder sorghums. Agric. Canda. 29: 24,28,30,32. (c.f. Herb. Abst. 1974, 44, 1633).

Billy, W.H.; Cowley, W.R.; Gerard, C.J. and Smith, B.A. 1970. Influence of solar radiation and date of planting on yield of sweet sorghum. Crop Sci. 10 : 91 - 92.

Blum, A. 1970. Effect of plant density and growth duration on grain sorghum yield under limited water supply. Agron. J. 62: 333-336.

_____ 1972 . Effect of planting date on water-use and its efficiency in dryland grain sorghum. Agron. J. 64: 775-778.

Brasil, G.A. 1980. Study of the best spacing for sorghum cassava associations. Empresa de Pesquisa Agropecuaria, do Ceara 82-89. (c.f. Herb. Abst. 1982, 52, 2583).

Broadhead, D.M. and Freeman, K.C. 1980. Stalk and sugar yield of sweet sorghum as affected by spacings. Agron. J. 72: 523 - 524.

Bond, J.J. ; Army, T.J. and Lechman, O.R. 1964. Row spacing, plant populations and moisture supply as factors in dryland grain sorghum production. Agron. J.56: 3-6.

Burger, A.W. and Campbell, W.F. 1961. Effect of rates and methods of seeding on the original stand, tillering, stem diameter, leaf: stem ratio and yield of sudangrass. Agron.J. 53: 289-291.

_____ ; Hittle, C.N. and Graffis, D.W. 1961. Effect of variety and rate of seeding on the drying rate of sudangrass herbage for hay. Agron.J. 53: 198-201.

Burger,A.W. and Hittle, C.N. 1967. Yield, protein, nitrate and prussic acid content of sudangrass, sudangrass hybrid and pearl millets harvested at two cutting frequencies and two stubble heights.Agron. J. 29: 259-262.

Burns, J.C. and Wedin, W.F. 1964. Yield and chemical composition of sudangrass and forage sorghum under three systems of summer management for late fall in Situ Utilization. Agron. J. 56: 457-460.

Caraballo, C.; Mogilner, I. and Schulze, J.L. 1951. Chemical analysis of Sorghum sudanense, S. saccharatum and S. almum. Granos 12(10/11/12): 66 - 71. (c.f. Biol. Abst. 1951, 25, 31835).

Chauhan, B.P.S. and Singh, S.P. 1975. Correlation of different morphological characters with fodder and grain yield in sorghum. Agra Univ. J. of Research (science) 24: 87-92. (c.f. Herb. Abst. 1977, 47, 3466.).

Choudhari, S.D. and Tatwawadi, G.R. 1977. Effect of plant density, level of nitrogen and season on translocation of nitrogen in Sorghum bicolor (L.) Moench. Current Research 6:26-27. (c.f. Field crop Abst. 1977, 30, 7592).

Clapp, Jr., J.C. and Chamblee, D.S. 1970. Influence of different defoliation systems on the regrowth of pearl millet, hybrid sudangrass and two sorghum - sudangrass hybrids from Terminal, Axillary and Bassal Buds. Crop Sci. 10:345-349.

Costa, J.A. 1971. Influence of plant population , level of fertilizer nittrogen and sowing date on the yield components of two cultivars of forage sorghum (Sorghum vulgare, pers). Revsta Faculdade Agronomia Veterinaria da Universidade Federal do Rio Grande do sul. 10:45-46 (c.f. Field Crop Abst. 1973, 26, 2664).

Dhaliwal , G.S. and Sandhu, G.S. 1981. Effect of the dates of sowing and seed-rates on the infestation of sorghum shoot fly, Atherigona soccata Rond., and the yeild of sorghym fodder. J. of Research, Punjab Agric. Univ. 18:157-162. (c.f. Herb. Abst. 1982, 52, 4633).

Duncan, D.B. 1955. Multiple range test and multiple F. test. Biometrices 11 : 1- 124.

Ebrahim, M.E. 1982. Studies on some summer forage crops. M. Sc. Thesis, Fac. Agric., Menoufia Univ.

Eilrich, G.L.; Long, R.C.; Stickler, F.C. and Pauli, A.W. 1964. Stage of maturity,plant population and row width as factors affecting yield and chemical composition of atlas forage sorghum. Agric. Exp. Sta. Tech. Bull. 138.

El-Hifny, M.Z.; Kassem, E.S.; El-Ghawas. M. and El-Tohami, M.K. 1972. Variability in morphological characters, yield components and quality characters of grain sorghum. Assiut, J. of Agric. Sci., 3 : 65-84.

Escalada, R.G. and Plucknett, D.L. 1975. Ratoon cropping in sorghum: 1. Origin, time of appearance and fate of tillers. Agron. J. 67: 473-478.

Farhoomand, M.B. and Wedin, W.F 1968. Changes in composition of sudangrass and forage sorghum with maturity. Agron. J. 60 : 459 - 463.

Fergany, A.H. 1967. Physiological and yield response of sweet sorgho to nitrogen fertilizers. M.Sc. Thesis, Fac. of Agric. Ain Shams Univ.

Fribourg, H.A.; Bryan, W.E.; Bell, F.F. and Buntley, G.J. 1975. Performance of selected silage and summer annual grass crops as affected by soil type, planting date and moisture regime. Agron. J. 67: 643 - 647.

————; Duck, B.N. and Culvahouse, E.M. 1976. Forage sorghum yield components and their In vivo digestibility. Agron. J. 68: 361 - 365.

George, M.M. 1970. Effect of some cultural treatments on yield and chemical composition of some summer forage crops. M.Sc. Thesis, Fac. of Agric. Alex. Univ.

Gerlach, J.C. and Cottier, K. 1974. The use of sorghums as forage crops. Agron. Society of New Zealand 4 : 83-85. (c.f. Herb. Abst. 1976, 46, 1653).

Gorashi, A.M. 1978. Effect of some environmental factors on the accumulation of HCN and NO_3^- - N in some sorghums. Dissertation Abst. International, B.38, 5126. (c.f. Herb. Abst. 1982, 52, 238).

_____; Drolsom, P.N. and Scholl, J.M. 1980. Effect of stage of growth, temperature, N and P levels on the Hydrocyanic acid potential of sorghums in the field and growth room. Crop Sci. 20 : 45 - 47.

Gordeeva, L.V. 1980. Varietial trial of sudangrass. In Agrotekhn. I urozhai, Saransk, 80-85. Referativny Zhurnal 1981, 4.55. 343. (c.f. Herb. Abst. 1982, 52, 1138).

Habib, M.M.; El-Khishen, A.A. and Mekhaeil, G.M. 1971. Effect of nitrogen and stage of growth on the yield and quality of summer forage crops. Alex. J. of Agric. Research 19: 209 - 214.

Halasz; K. 1975. Sowing rate trials on sandy soils with hybrid sudangrass. Zoldsegtermesztesi Kutato Interzet Bullelinje 10: 95-104. (c.f. Herb. Abst. 1976, 46, 5253).

Harms, C.L. and Tucker, B.B. 1973. Influence of nitrogen fertilization and other factors on yield, Prussic acid, nitrate and total nitrogen concnetrations of sudangrass cultivars. Agron.J. 65 : 21 - 26.

Hassanein, A.M.; Morshed, G.A.; El-Sonbaty, M.M. and Harfoush, M.A. 1983. Effect of seeding rates and sowing methods on forage yield of sorgo. Proceeding of the First Conference of Agron. Vol. 2 : 211 - 221.

Holt, E.C. 1970. Relationship of hybrid sudangrass plant populations to plant growth characteristics. Agron. J. 62 : 494-496.

Hussein, M.A.; El-Hattab, H.S.; El-Hattab, A.H.; Radwan, M.S. and Abd El-Gawad K.I. 1979. Growth,forage yield and quality of sudangrass and sorgo as affected by time of planting, nitrogen and phosphorus. Z. Acker-u. Pflanzenbau 148:205-213.

Iobal; Z. and Bajwa, C.M.I. 1977. Comparison between the ratooning capacity and nutritive value of approved varieties of sorghum and Local Bojra. Agric. Pakistan 28: 33-35. (c.f. Herb. Abst. 1981,51,537).

Kallah, M.S. 1981. Determinants of the nutritive and feeding value of forage sorghum in forage fed beef production system. Dissertation Abst. Interational, 41(11)- 3966.(c.f. Herb. Abst. 1983, 53, 1856).

Karim, S.M. 1965. Chemical studies of green fodders used in animal nutrition with reference to their poisonous effect and glucocide content. M.Sc. Thesis, Fac. of Agric. Cairo Univ.

Kassam, A.H. and Andrews, D.J. 1975. Effect of sowing date on growth, development and yield of photosenitive sorghum. Exp. Agric. 11 : 227 - 240.

Koch, F.C. and Mc - Neeken, T.L. 1924. The chemical analysis of food and food products. J. Amer. Chem. Soc. 46 : 2066.

Koller, H.R. and Clark, N.A. 1965. Effect of plant density and moisture supply on the forage quality of sudangrass (Sorghum sudanense "Piper" staph). Agron. J. 57 : 591 - 593.

Koller, H.R. and Scholl, J.M. 1968. Effect of row spacing and seeding rate on forage production and chemical composition of two sorghum cultivars harvested at two cutting frequencies. Agron. J. 60 : 456 - 459.

Kudasomannvar, B.T. 1974. Effect of nitrogen and plant population on the growth and yield of sorghum (CSH-1). J. of Agric . Sci.348.

Kukedi, E. 1968. Seeding rate experiments with hybrid sudangrass (Hybar Mv 301). Novenytermeles 17 : 49 - 57. (c.f. Herb. Abst. 1969, 39, 79).

Longo, G. 1969. HCN content in fodder sorghums and its variation in ralation to types and N manuring. Riv. Zootec. 42 : 234 - 253.(c.f. Herb. Abst. 39, 2049).

————, and Cassaniti, S. 1975. Sowing rate and yield of two types of fodder sorghum. Rivista di Agronomia 9 : 342-347. (c.f. Herb. Abst. 1977, 47, 1038).

Mackay, J.M.E. 1978. Register of Australian herbage plant cultivars A. Grasses B. Forage sorghum C. Sorghum spp. hybrid (sweet sudangrass hybrids)cv. Sucro (Rge. No. A- 9C-4). J. of the Australian Institute of Agric. Sci. 44(3/4): 218-219. (c.f. Herb. Abst. 1980, 50,1686).

Malinovskii, B.N. and Volodin, A.B. 1976. Sorghum hybrid Silosnoe-72. Kukuruza No. 6, 30. (c.f. Herb. Abst. 1977, 47, 484).

Malinovskii, B.N. and Verteletskii, N.F. 1977. Sorghum X sudangrass hybrid Stavropol'skii 3.Korma N.4, 26. (c.f. Herb. Abst. 1978, 48, 2318).

Mazitov, G. and Pryadka, V. 1973. Sudangrass in Tselinograd province. Korma No. 4,22. (c.f. Herb. Abst. 1975, 45, 2037.

McBee, G.G.and Miller, F.R. 1982. Carbohydrates in sorghum culms as influenced by cultivars, spacing and maturity over a diurnal period. Crop Sci. 22 : 381 - 385.

Medeiros, R.B.; De Saibro, J.C. and Barreto, I.L. 1979 The effect of nitrogen and plant density on

yield and quality of Sordan sorghum (Sorghum bicolor X S. Sudanenense). Revista da Sociedade Brasileira de Zootecnia. Brazil V. 8 (1): 75 - 87. (c.f. Abst. on Tropical Agric. 1980, 6, 28790).

Michel, K.A.G.; Hamilton, J.K.; Robers, P.A. and Smith, F. 1956. Colorimetric method for determination of sugars and related substances. Analytical chemistry 28(3).

Minor, H.C. 1971. Effects of plant spacing on yield components of sorghum in the U.S.A. and soya-beans in India. Disser. Abst. Inter., B. 32: 668-669. (c.f. Field Crop Abst. 1973, 26, 1198).

Mirhadi, M.J. and Kobayashi, Y. 1981. Studies on the productivity of grain sorghum IV. Effect of various planting date on the growth grain yield and protein content of irrigated and nonirrigated grain sorghum. Japanese J. of Crop Sci. 50: 155- 124. (c.f. Herb. Abst. 1982, 52, 4291).

Mishra, S.N. 1975. Influence of defoliation systems and levels of light interception on dry matter yield, quality, regrowth and persistence in sudangrass and pearl millet. Disser. Abst. Inter., B. 35 : 4317-4318. (c.f. Herb. Abst. 1977, 47, 2461).

Narayanan, T.R. and Dabadghao, P.M. 1972. Forage crops of India. 1 st. ed. Indian Council of Agric. Research New Delhi, p: 126.

Nasr, M.A.A. 1973. Effect of date of planting and time of cutting on growth, yield and some other characteristics in sudangrass and sorgo. M.Sc. Thesis, Fac. Agric. Cairo Univ.

Nelson, C.E. 1952. Effects of spacing and nitrogen applications on yield of grain sorghums under irrigation. Agron. J. 44 : 303 - 305.

Nunez, R. and Kamprath, E. 1969. Relationships between N response, plant population and row width on growth and yield of corn. Agron. J. 61: 279-282.

Oleksenko, Yu.; Kotlyar, N. and Gorovoi, L. 1975. Sowing methods and stand density of sorghum for fresh fodder in the Cis-Sivash area. Byulleten' Vsesoyuznogo Instituta Kururuzuy 4: 59-60. (c.f. Herb. Abst. 1978, 48, 3025.).

Olson, T.C. 1971. Field and water use by different populations of dryland corn, grain sorghum and forage sorghum in the Western corn belt. Agron. J. 63: 104-106.

Owen, F.G. and Webster, O.J. 1963. Effect of sorghum maturity at harvest and variety on certain chemical constituents in sorghum silages. Agron. J. 55 : 167-169.

Patil, E.N. and Surve, D.N. 1980. Effect of graded levels of nitrogen and plant densities on the yield of hybrid sorghum (CSH-5). J. of Maharashtra Agric. Univ.,5 : 147-149. (c.f. Field Crop Abst. 1981, 34, 10057.).

Pedreira, J.V.S. 1970. Competition between sorghum cultivars in terms of fresh forage production. Boletim de Industria Animal (1970/1971), 27/28: 349 - 353. (c.f. Herb. Abst. 1972, 42, 2753).

Phul, P.S.; Arora, N.D. and Mehndiratt, P. D. 1972. Gentic variability, correlations and path analysis of fodder yield and its components in sorghum. J. of Research, Punjab Agric. Univ. 9 : 422 - 427. (c.f. Herb. Abst. 1974, 44, 1979).

Porsche, W. 1966. Results of several years' trails of growing sorghum. I. Investigations on varieties. 2. Yield testing and use as a fodder plant. (Ger.) Kuhn-Arch. 79: 123-152. (c.f. Field Crop Abst. 1966, 19 , 172).

Porter, K.B.; Jensen, M.E. and Sletten, W.H. 1960. The effect of row spacing, fertilizer and planting rate on the yield and water use of irrigated grain sorghum. Agron. J. 52 : 431 - 434.

Rakhimkulov, R.Yu. and Amangel' diev, K. 1973. Cultivation of sudangrass in N. Turkmenistan. Khlopkovodstov No. 11 : 11-12. (c.f. Herb. Abst. 1974, 44, 1904).

Rai, K.D. 1964. Study of Rain-grown sorghum and maize in the central rainlands of the sudan 1. Effect of date of sowing, varieties and spacing on crude protein content and nitrogen accumulation. Indian J. Agron. 9: 175 - 183.

Robinson, R.G.; Bernat, L.A.; Nelson, W.W.; Thompson, R.L. and Thompson, J.R. 1964. Row spacing and plant population for grain sorghum in the Humid North. Agron. J. 56: 189-191.

Rodrigues, A.F. and Rebelo, D.C. 1974. Breif notice on the performance of some fodder sorghums. Agronomia Mocambicana 8: 31-57. (c.f. Herb. Abst. 1975, 45, 441).

Rumawas, F.B.; Blair, O. and Bula, R.J. 1971. Microenvironment and plant characteristics of corn (Zea mays L.) planted two row spacings. Crop Sci. 11: 320 - 323.

Schuster, W.; Okuyucu, F. and Posselt, U. 1976. The performance of different types of sorghum as fodder plant at two strongly differentiated ecological sites. Zeitschrift fur Acker - und Pflanzenbau 142: 124-142.

Seshadri, P. and Peter, S.D. 1974. Studies on the optimum dates of sowing. Madras Agric. J. 61: 726-728.

Shepel, N.A. 1976. Prospects for cultivation of sorghum in Kupan region. Kukuruza No. 10: 20-21. (c.f. Herb. Abst. 1977, 47, 3464).

———— 1978. Sorghum-sudangrass hybrid Novator 151. Korma No. 1 : 37-38. (c.f. Herb. Abst. 1979, 49, 2739).

Singh, V.; Singh, D.; Shinde, D.A. and Namdeo, K.N. 1983. HCN content of varieties of fodder sorghum in relation to yield and nutritional value. Indian J. Agric. Sci. 53: 431 - 434.

Snedecor, G.W. and Cochran, W.G. 1967. Statistical methods 6 th. ed. Iowa state Univ. Press, Ames., Iowa, U.S.A.

Stickler, F.C. and Laude, H.H. 1960. Effect of row spacing and plant population on performance of corn, grain sorghum and forage sorghum. Agron. J. 52: 275 - 277.

————, and Pauli, A.W. 1961. Influence of date of planting on yield and yield components in grain sorghum. Agron. J. 53: 20-22.

———— ; Wearden, S. and Pauli, A.W. 1961. Leaf area determination in grain sorghum. Agron. J. 53: 187-188.

———— ; and Younis, M.A. 1966. Plant height as a factor affecting response of sorghum to row width and stand density. Agron. J. 58: 371-373.

Taj, F.H. 1982. Leaf area and protein contents of soyabean and sudangrass as affected by spacing and seeding rate. Pakistan J. of Botany 14: 41 (c.f. Herb. Abst. 1983, 53, 173).

Teixeira Filho, J.R.; Silva, D.J.DA.; Tafuri, M.L. and Gomide, J.A. 1977. Yield and nutritive value of five different fodder sorghums (Sorghum vulgare "pers") and their silages. Revista Ceres 24: 530 - 583. (c.f. Herb. Abst. 1979, 49, 91).

Thakre, S.K. 1980. Studies on HCN content of cultivated and some fodder varieties of sorghum. J. of Maharashtra Agric. Univ. 5 : 121-122. (Sorghum and Millets Abst. 1982, 7 , 17).

Tokhtarov, V.P. 1977. The best method for sowing sorghum for silage in Volgograd province. Kukuruza No. 5: 20.(c.f. Herb. Abst. 1977, 47, 4218).

Tribhuwan, S. and Rai, S.D. 1975. Influence of mangement practics on the forage yield and quality of sudangrass. Indian J. Agric. Sci. 45: 372-376.

Tsukuda, K.; Hoshino, M. and Tamura, Y. 1977. High yielding culture of sorghum by means of dense sowing. J. of Japanese Society of Grassland Sci. (Japan), (23): 195-200. (c.f. Abst. on Tropical Agric. 1979, 5, 23326).

Umarov, Z.; Atabaeva,K.H. and Tazhibaev, E. 1976. Effect of sowing rates on productivity of sudangrass. Biologiya I Agrotekhnika Soputstvugushebikh Khlopchatniku Kul'tur, Nauchnyc Trudy Tashkentskogo Sel'skokhozyaistvennogo Instituta No. 66 A: 28-32 from Referativnyi Zhurnal, 9: 215. (c.f. Herb. Abst. 1978, 48, 495).

Wedin, W.F. 1970. Digestible dry matter, crude protein and dry matter yields of grazing -type sorghum cultivars as affected by harvest frequency. Agron. J. 62: 359 - 363.

Wheeler, W.A. 1950. Forage and pasture crops. D.Van. Nostrand Book, Company.

Worker, G.F., Jr. and Joseph Ruckman 1968. Variation in protein levels in forage sorghum grown in the southwest desert. Agron. J. 60: 485-487.

———, and Marble, V.L. 1968. Comparison of growth stages of sorghum forage types as to yield and chemical composition. Agron. J. 60: 669-672.

Worker, G.F., Jr. 1973. Sudangrass and sudangrass hybrids responses to row spacing and plant maturity on yield and chemical composition. Agron. J. 60: 669 - 672.

Yakushevskii, E.S. and Ivanyukovich, L.K. 1975. Seasonal variability in some characters of sorghum species and hybrids grown for green fodder and silage. Byulleten' Vsesoyuznogo Instituta Rastenievodstava 63.: 35-39. (c.f. Herb. Abst. 1977, 47, 3913).