LITERATURE CITED

VI. LITERATURE CITED

Almazov, B.N. and Kholuyako, L.T. (1994): The main elements in the fertilizer system for vegetable crops and potatoes in crop rotation cycles on slightly leached Altai chernozem. Report 3. The effect of long-term application of fertilizers on the removal of nitrogen, phosphorus and potassium by vegetable crops and potatoes and their balance in the rotation. Agrokhimya No. 3, 53-59. (C.F. Field crop Abstr., (49) 4 : 2634, 1996).

Al'Shevskü, N.G. (1990): Effect of potassium chloride and potassium magnesia on yield and quality of potatoes. Agrokhimiya, No. 8, 37-42. (C.F. Field Crop Abstr. (46) 5: 2927, 1993).

Anand, S. and Krishnappa, K.S. (1990): Effect of different levels of N and K on the growth, yield and quality of potato in sandy loam soil. Mysore Journal of Agricultural Sciences. (Publ. 22 (4) 483-489. (C.F. Field Crop Abstr. (45) No. 8 : 5610, 1992).

Arafa El-Said, M.M. (1994): Physiological studies on potato crop under Kalubia Governorate condition. M.Sc. Thesis Fac. of Agric. Moshtohor, Zagazig Univ., pp. 82.

Association of Official Agricultural Chemistry (1970): Official methods of analysis chemists, 11th ed. Published by the A.O.A.C., P.O.Box: 540, Washington.

Bandara, P.M.S. and Tanino, K.K. (1995): Paclobutrazol enhances minituber production in Norland potatoes. Journal of plant Growth Regulation, 14 (3) : 151-155.

Barry, P.; Storey, T.S. and Hogan, R. (1990): Effect of plant population and set size on the seed yield of the maincrop potato variety Cara. Irish Journal of Agricultural Research 29 (1): 49-60. (C.F. Field Crop Abstr. 45 (4): 2451, 1992).

Brown, J.D. and Lilleland, O. (1946): Rapid determination of potassium and sodium in plant material and soil extracts by flamephotometry. Proc. Amer. Soc. Hort. Sci., 48: 341-346.

Cepl, J. (1994): Analysis of the effect of potassium and magnesium fertilizers on potato yields and quality. Rostlinna vyroba 40 (10) : 899-905. (C.F. Field Crop Abstr. 48 (3): 1960, 1995).

Cepl, J. And Vokai, B. (1995): the effect of various spacings on the yield and size of potato tubers. Rostlinna Vyroba 41 (4): 149-155. (C.F. Field Crop Abst. 49 (3): 1905, 1996).

Chadchan, R.; Biradar, D.P.; Manture, S.M. and Mumbaraddi, K.H. (1990): Starch and crude protein content of potato tubers as influenced by variety, plant population and nitrogen levels. Karnataka Journal of Agricultural Sciences 3(3-4) 279-281 (C.F. Field Crop Abstr. (45) 12: 8675, 1992)

Chapman, K.S.R.; Sparrow, L.A.; Hardman, P.K.; Wright, D.N. and Thorp, J.R.A. (1992): Potassium nutrition of Kennebec and Russet Burbank potatoes in Tasmania : effect of soil and fertilizer potassium on yield, petiole and tuber potassium concentrations and tuber quality. Australian Journal of Experimental Agriculture 32 (4), 521-527 (C.F. Field Crop Abstr. 46 (3): 1776, 1993).

Deng R. and Prange R.K. (1988): Effect of paclobutrazol PP_{333} on 14 C-assimilate partitioning in potato "Solanum tuberosum L." HortScience, 23: 3, 811.

Dimttrov, S. and Stoinova, E. (1992): Effect of some synthetic growth regulators on the quantity and quality of potato yield. Fiziologiya na Rasteniyata 18 (2) 35-42. (C.F. Field Crop Abstr 47 (3): 1700, 1994).

Divis, J. and Kuncl, L. (1993): Effect of nitrogen and potassium fertilizers on the production and quality of

cultivar Krasa. Rostlinna Vyroba 39 (11) 1003-101. (C.F. Field Crop Abstr. 48 (8): 6086, 1995).

Dubetz, S. and Bole, J.B. (1975): Effect of nitrogen, phosphorus and potassium fertilizers on yield components and specific gravity of potatoes. American Potato Journal 52:12,399-405.

El-Baz, S.A.; El-Behidi, M.A.; El-Mansi, A.A.;Sharara, A.M. and El-Seifi, S.K. (1979): Storageability of seed potato tubers in Nawalla as affected by pre-harvest application of chlormequat or etherl. Res. Bull. No. 24 Fac. of Agr. Zagazig Univ. July 1-15.

El-Gamal, A.M. (1985): Effect of potassium level on potato yield and quality. Journal of Agriculture Sci., Mansoura Univ., 10 (4): 1473-1476.

El-Masry, T.A. and Barakat, M.S. (1991): Effect of paclobutrazol (PP_{333}) on growth, yield and quality of some potato cultivars. Alex. J. Agric. Res., 36 (2) 143-155.

El-Sawy, B.I.; El-Mahdy, I. Metwally and Etman, A. (1988)a: Effect of planting depth and some growth regulators on vegetative growth and yield of potato. Proc. 2nd Hort. Sci. Conf. Tanta Univ., Sept. Vol. (II) 466.

El-Sawy, B.I.; Etman, A. And El-Mahdy, I. Metwally (1988)b: Chemical composition of potato as affected by planting depth and some growth regulators. Proc. 2nd Hort. Sci. Conf. Tanta Univ., Sept., vol. (II) 478.

Fernandez, M.L.; Costa, E. and Iglesias, R. (1991): Growth regulators as a way of increasing yields in seed potato tuber production technology. Response to CCC and Ethrel. Cultivos Tropicales, 12 (3) 73-75.

Fivkov, N. (1976): Effect of fertilizers on yield and keeping quality of potato tubers in stores and clamps with forced ventilation. Nauchnye Trudy, Nauchnoiss Ledovate' Skii Institute Kartofel'nogo Khozyaistva.

No. 26, 78-84. (C.F. Field Crop Abstr. 31(1) : 622, 1978).

Forsee, W.T. (1938): Determination of sugars in plant materials. A photocolorimetric method. Indus. Eng. Chem. Anal. 10th Ed: 411-418.

Gomez, K.A. and Gomez, A.A. (1984): Statistical procedures for Agric. Res. 2nd Ed. John Wiley & Sons, Pub. Pp. 139-153.

Govindakrishnan, P.M. and Sahota, T.S. (1984): Effect of cycocel and nitrogen combinations on haulm growth and tuber yield of potato in the hills of Shillong and Simla. Journal of the Indian Potato Association. 11:1-2, 26-31.

Gregory, E.J.; Kutac, W. and Lester, C. (1972): Potassium Fertilization of potatoes and corn in north Western New-Mexico. Research-Report, Agricultural-Experiment Station, New-Mexico-State, University. No. 227, 5pp.

Grewal, J.S. and Sharma, R.C. (1980): Evaluation of soil test methods for potassium in acidic brown hill soil for recommending fertilizer doses for potato. Journal of the Indian Society of Soil Science 28 (3) 355-360.

Gronowicz, Z.; Zielinska, A. and Wenclowicz, K. (1990): Effect of some agrotechnical factors on the yield of potatoes cv. Duet. Acta Academiae Agriculturae ac Technicae Olstenesis, Agricultura, No. 51, 43-51. (C.F. Field Crop Abstr. 45 (12) : 8673, 1995).

Grzeskiewicz, H.; Gruczek, T. and Gojski, B. (1985): Influence of mineral fertilization level on the mechanical tuber damage incurred during harvest under commercial field conditions. Biuletyn-Instytu-Zienniaka No, 33, 67-72 (C.F. Computer Research).

Guerra, A.; Barroso, R. And Corrales, I. (1990): Mineral nutrition of potato on fersialitic soil. II. Response to P

and K. Agroqufmica 13 (2) 43-47. (C.F. Field Crop Abstr., 45 (12) : 8687, 1992).

Gupta, A. (1992): Response of potato " Solanum tuberosum" to nitrogen and potassium fertilization. Indian Journal of Agronomy 37 (2) 309-311.

Hassan, M.A.M.; El-Maziny, M.Y. and Gad-Elhak, H. (1985): Effect of K and N rates on growth and yield of potatoes under Minia condition. Minia Journal Agric. Res. And Dev., Vol. 7 No. 1, 63-74.

Hossain, M.J. (1995): Effect of population density of cut shoot of potato on growth, tuber yield and multiplication rate. Tropical Science, 35 (2) 161-166.

Jackson, T.L.; Johnson, M.J.; Sullivan, D.M. and James, S.R. (1981): Potassium chloride and lime effects on yield and nutrient uptake by potatoes. Agronomy Abstracts. 73rd. Annual meeting, American Society of Agronomy 1981, 179.

John, M.K. (1970): Colorimetric determination of phosphorus in soil and plant material with ascorbic acid. Soil Sci., 109: 214-220.

Kabir, M.H. (1991): Studies on the population density of a hybrid true potato seed (TPS) progeny. Haryana Journal of Horticultural Sciences 20 (1-2) 125-128.

Khalil, M.A.I. (1990): The relationship between some growth substances and the productivity of potato plants. Egypt. J. Appl. Sci. Zagazig Univ., 5 (8), 317-332.

Khan, J. (1993): Effect of row-width and plant density within-rows on the growth and tuber yield of potato crop. Sarhed J. Agric. 9(6): 551-556. (C.F. Field Crop Abstr. 47 (12): 8093, 1994).

Krishnappa, K.S. (1991): Effect of seed size and spacing on the yield of potato. Mysore Journal Agricultural Science 25

(2) 229-230. (C.F. Field Crop Abstr., 46 (7): 4452, 1993).

Kuzniewicz, M. (1985): Influence of irrigation and potassium and nitrogen fertilization on storageability of potato tubers. Biuletyn-Instytutu-Ziemniaka, No. 33, 149-158. (C.F. Computer research).

Li-YQ, and Zhu-LM. (1994): A study of the effect of the growth regulators PP_{333}, GA_3 and BA on potato seedlings cultured in vitro. Acta, Agronomica, Sinica, 20 : 1,59-66. (C.F. Computer Research).

Locascio, S.j.; Bartz, J.A. and Weingartner, D.P. (1992): Calcium and potassium fertilization of potatoes grown in North Florida. I: Effects on potato yield and tissue Ca and K concentrations. American Potato Journal 69 (2)95–104.

Maier, N.A. (1986): Potassium nutrition of irrigated potatoes in South Australia. 2:Effect on chemical composition and the prediction of tuber yield by plant analysis. Australian Journal of Experimental Agricultrual, 26 : 6, 727-736. (C.F. Computer Research).

Maier, N.A.; Dahlenburg, A.P. and Williams, C.M.J. (1994): Effect of nitrogen, phosphorus and potassium on yield and petiolar nutrient concentration of potato (Solanum tuberosum L.) cv. Kennebec and Atlantic. Australin Journal of Experimental Agriculture 34 (6) 825-834. (C.F. Field Crop Abstr. 48 (7) : 5316, 1995).

Mattar, I.A. and Abdul, K.S. (1988)a: Effect of some concentrations of gibberellic acid and cycocel and of application date on the growth and yield of spring potatoes at Khabat/Erbil. Iraqi Journal of Agricultural Sciences, "ZANCO". 6: 3, 15-32.

Mattar, I.A. and Abdul, K.S. (1988)b: Effect of some concentrations of gibberellic acid and cycocel and of application date on the growth and yield of autumn

potatoes at Khabat/Erbil. Iraqi Journal of Agricultural Sciences, "ZANCO"., 6 : 3, 33-50.

Mazur, T. And Krefft, L. (1991): The effect of different rates of nitrogen, potassium and magnesium fertilizers on yield and tuber starch and protein content in two potato cultivars. Acta Acdemiae Agriculturae ac Technicae Olstenensis, Agricultura No. 53, 181-188. (C.F. Field Crop Abstr., 46 (5): 2928, 1993).

Mc-Dole, R.E. (1978): Potassium fertilizer trials with potatoes on coarse-textured soils in Southeastern Idaho. American Potato Journal, 55: 3,161-170.

Mettei, W.I.; Singh, A.I. and Singh, R.K.K. (1993): Standardisation of agro-technique of potato: I.Effect of Sowing date and spacing on growth and tuber grades in Manipur Hill. Indian Journal of Hill Farming 6 (2) : 189-192. (C.F. Field Crop Abstr., 48(8): 6077, 1995).

Mica, B. And Zrust, J. (1991): Effect of growth regulators on nitrogen and protein contents of potatoes. Rostlinna Vyroba 37 (2) 119-126. (C.F. Field Crop Abstr., 45 (4): 2454, 1992).

Midan, A.A.; El-Sayed, M.M. and Abdel-Hak, Z.M. (1986): Growth, Chemical constituents, biochemical processes and yield of potato in relation to time and dosage of cycocel "CCC" application. Minufiya Journal Agriculture Research, Vol. 11 No. 1: 157-183.

Mollerhagen, P.J. (1994): Effect of different treatments on Saleable yield of potato cv. Beate. Statens Sforsking 8 (1) 103-109. (C.F. Field Crop Abstr., 49 (5): 3349, 1996).

Morell, A.S. (1941): Rapid determination of reducing sugars. Indus. J. Eng. Chem. Anal. Ed. 13, 249. 251.

Müller, K. (1988): Potassium fertilization of potatoes. Kartoffelbau 39 (3) 102, 104-105.

Murphy, H.G. and Goven, M.J.C. (1959): Factors affecting the specific gravity of white potato in main. Main Agr. Exp. Sta. Bull. 583.

Murphy, J. And Riely, J.P. (1962): A modified single solution method for determination of phosphate in natural waters. Anal. Chem. Acta, 27 : 31-36.

Nakashgir, G.H.; Khan, G.M. and Wani, S.A. (1994): Integrated management effect of nutrients and water on the performance of potato (Solanum tuberosum) and their residual effect on yield of turnip "Brassica rapa" under rainfed conditiosn of Kashmir. Journal potassium Research 10 (1) 56-62.

Negrila, C.; Negrila, C.E.; Negrila, M.; Pienescu, S.; Constantin, V. And Constantin, D. (1994): The effect of potassium nitrate fertilizer application on potato and sugar beet crops. Problem de Agrofitoehnie Teoretica Si Aplicate 16 (1) 55-70 (C.F. Field Crop Abstr., 49 (1): 455, 1996).

Nel, J.J.; Pieterse, B.J. and Nortje, P.F. (1991)a: Effect of stem population and seed rate on tuber yield and gross margin of Up-to-date potatoes under irrigation. Applied Plant Science 5 (2) 72-75.

Nel, J.J.; Pieterse, B.J. and Nortje, P.F. (1991)b: Effect of plant population on the yield of Vanderplank potatoes under irrigation. Applied plant Science 5 (2) 80-83.

Pawlowski, F. And Pomykalska, A. (1991): Effect of reduced plant stand on the yield and weediness of potatoes. Produckja Roslinna 109 (2) 37-46. (C.F. Field Crop Abstr. 45 (9) : 6469, 1992).

Peach, K. And Tracy, M.V. (1956): Modern methods of plant analysis. Springer verlage, Berlin 1: 479-481.

Plodowska, J.; Byszewska-Wzorek, A. and Kolpak, R. (1993): Growth and yield of potato plants grown from minitubers and traditional seed tubers planted at

various densities. II. Yield structure and yield of seed tubers. Biuletyn Instytutu Ziemniaka No. 43, 85–94 (C.F. Field Crop Abstr. 48 (12): 9080, 1995).

Pregl, E. (1945): Quantitative Organic Micro analysis 14th. D. J. Chundrill, London.

Rabie, R.A. (1996): Effect of some cultural practices on potato production for processing. M.Sc. Thesis Fac. of Agric., Cairo Univ., pp. 99.

Rahman, M.A. and Gaffer, M.A. (1991): Effect of spacing on the yield of potato. Bangladesh Journal of Scientific and Industrial Research 26 (1-4) 200-203. (C.F. Field Crop Abstr. 45 (12): 8677, 1992).

Rajadurai, S. (1994): Effect of seed tuber size and planting space on growth, yield and tuber size distribution of potato "Solanum tuberosum" in irrigated red-yellow lotosis of the dry zone. Journal of the National science council of Srilanka 22 (2) 115-123. (C.F. Field Crop Abstr. 49(6): 4130, 1996).

Randüawa, K.S. and Düatt, A.S. (1994): Studies on the efficient use of potassium in potato, muskmelon, bittergourd cropping system in Punjab (India). Acta Horticulturae No. 371, 389-397.

Rex, B.L. (1992): Effect of two plant growth regulators on the yield and quality of Russet Burbank potatoes. Potato Research, 35 (3) 227-233.

Rogozinska, I. and Pinska, M. (1991): The effect of increased levels of nitrogen and phosphorus on parameters related to the quality of table potatoes before and after clamp storage. Potato Research, 34 (2): 139-148.

Rykbost, K.A.; Christensen, N.W. and Maxwell, J. (1993): Fertilization of Russet Burbank in Short-Season environment. American Potato Journal 70 (10) 699-710.

Rykbost, K.A. and Maxwell, J. (1993): Effects of plant population on the performance of seven varieties in the Klamath basin of Oregen. American Potato Journal 70 (6) 463-474.

Sahota, T.S. (1990): Effect of cycocel on two potato cultivars grown in the Khasi hills of shillong with and without late blight control measures. Indian Journal of Ecology, 17 (2) 120-124. (C.F. Field Crop. Abstr. 46 (8): 5186, 1993).

Sawicka, B. and Skalski, J. (1992): Effect of some agrotechnical measures on the yield of several potato cultivars. I: Effect of planting density, pre-sprouting and harvesting date on the yield level and starch content. Roczniki Nauk Rolniczych; Seria A. Produkcja Roslinna 109(3) 143-152. (C.F. Field Crop Abstr. 47(4): 2408, 1994).

Shadeque, A. and Pandita, M.L. (1982): Effect of cycocel (CCC) as foliar spray on growth, yield and quality of potato (Solanum tuberosum L.). Journal of Research, Assam Agricultural University, 3 : 1, 34-39. (C.F. Computer Research).

Shaheen, A.M.; Bakry, M.O. and Omar, M.M. (1989): Effect of application of potassium to the soil and urea to the foliage on the productivity of potato (Solanum tubersum L.) Plant. Minufiya Journal of Agriculture Research, Vol. 14 (1), 343-355.

Sharma, B.D. and Sahota, T.S. (1988): Effect of cycocel on tuber yield of spring potato. Agricultural Science Digest, India. 8: 2,103-104. (C.F. Computer Research).

Sharma, R.P. and Ezekiel, R. (1993): Influence of potassium on the chemical composition and storage behaviour of potato. Journal of the Indian Potato Association, 20: 3-4, 275-278. (C.F. Computer Research).

Sharma, R.P. and Sahab Lal (1996): Effect of spacing on yield of potato grown through seedling tubers. Indian Journal of Agronomy 41 (2) 342-343.

Sharma, U.C. and Arodra, B.R. (1992): Uptake of Zinc, manganese, iron and Copper by potato as affected by potassium. Madras Agricultural Journal 79 (5) 250-255. (C.F. Field Crop Abstr. 47 (7): 4497, 1994).

Shehata, S.A.; Abou El-Hassan, E.A. and El-ayed, S.F. (1990): Effect of potassium levels and some micro-elements on potato yield and quality. Annals of Agricultural Science, Moshtohor, 28 (2) 1255-1265.

Shukla, D.N. and Singh, S.J. (1976): Effect of the technique of potassium application on growth, yield and chemical composition of potato (Solanum tuberosum L.) varieties. Potash Review Subject 16 (1) 5pp. (C.F. Field Crop Abstr. 30 (6): 3545, 1977).

Simko, I. (1993): Effect of kinetin, paclobutrazol and their interactions on the microtuberization of potato stem segments cultured in vitro in the light. Plant Growth Regulation 12 (1-2) 23-27.

Simko, I. (1994): Effect of paclobutrazol on in vitro formation of potato microtubers and their sprouting after storage. Biologia–Plantarum, 36 (1) 15-20. (C.f. Computer Research).

Simpson, K.; Crooks, P. And McIntosh, S. (1973): Effect of potassium and magnesium fertilizers on yield and size distribution of potatoes. Jurnal of Agricultural Science, U.K. 80: 3, 369-373 (C.F. Computer Research).

Singh, A.; Nehra, B.K.; Khurana, S.C. and Rana, M.K. (1996): Influence of plant density and fertility levels on nutrient uptake by potato. Crop Research "Hisar" 12(2) 219-222. (C.F. Field Crop Abstr. (50) 7: 4934, 1997).

Singh, V.N. and Singh, S.P. (1996): Influence of split application of potassium on qualitative attributes of potato. Journal of the Indian Potato Association 23 (112)·72-74. (C.F. Field Crop Abstr. 50 (3): 1904, 1997).

Sinha, M.N. and Rai, R.K. (1991): Response of some winter field crops, berseem, potato and wheat to potassium. Journal of Potassium Research, 7 (4) 299-303.

Songin, W. and Paja, M. (1974): Influence of mineral fertilizer on the quantity of losses in storage of six cultivars of potato. Zeszyty Naukowe Akademü Rolniczejw Szczecinie No. 42, 339-347. (C.F. Field rop Abstr., 30 (7): 4118, 1977).

Stanley, R. and Jewell, S. (1989): The influence of source and rate of potassium fertilizer on the quality of potatoes for French fry production. Potato Research, 32 (4) 439-446.

Steel, R.G.B. and Torrie, J.H. (1980): Principles and procedures of statistics. A. Biometric Approach. 2nd Ed. Mc-Graw-Hill, New York.

Sud, K.C. and Grewal, J.S. (1991): Effect of time of potassium application on potato nutrition in Shimla hills. Journal of Potassium Research 7 (4) 266-276.

Sujatha, N.T. and Krishnappa, K.S. (1995): Effect of different fertility levels on dry matter production at different stages of growth and nutrient uptake of potato. Journal of the Indian Potato Association 22 (112) 83-85. (C.F. Field Crop Abstr. 49 (5) : 336, 1996).

Teixeira, N.T.; Zambon, S.; Bollela, E.R.; Nakano, M.N.; Oliveira, D.A.D.E and Calafiori, M.H. (1991): Fertilization and aldicarb influencing N, P and K contents in leaves of potato crop (Solanum tuberosum). Ecossistema 16, 199-125. (C.F. Field Crop Abstr. 47 (4) : 2419, 1994).

Trehan, S.P. and Grewal, J.S. (1991): Effect of time and level of potassium application on tuber yield and K composition of plant tissues and tubers of two potato cultivars. Journal of the Indian Potato Association 18 (3-4) 115-121. (C.F. Field Crop Abstr. 45 (11) : 7944 , 1992).

Vecchio, V.; Casini, P. And Caligiuri, M. (1991): Effect of planting density of potato "Solanum tuberosum L.) cultivars on yield and seed tuber size distribution. Sementi Elette 37 (6) 13-19 (C.F. Field Crop. Abstr. 46 (8) : 5164, 1993).

Vinay Singh; Ganesh Singh and Raghav, M. (1990): Effect of variety and spacing on growth, yield and quality of potato. Narendra Deva Journal of Agricultural Research, 5 (1) 29-33. (C.F. Field Crop Abstr. 46 (6): 3637, 1993).

Westermann, D.T.; James, D.W.; Tindall, T.A. and Hurst, R.L. (1994)b: Nitrogen and potassium fertilization on potato: Sugars and Starch. American Potato Journal 71 (7) 433-453.

Westermann, D.T.; Tindall, T.A.; James, D.W. and Hurst, R.L. (1994)a: Nitrogen and Potassium Fertilization on potatoes: yield and Specific gravity. American Potato Journal 71(7) 417-431.

White, R.P.; Munro, D.C. and Sanderson, J.B. (1974): Nitrogen, potassium and plant spacing effects on yield, tuber size, specific gravity and tissue N, P and K of Netted Gem potatoes. Canadian Journal of plant Science, 154 (3) 535-539.

Winkelmann, H.H. (1992): Potassium fertilizer application to potato. Kartoffelbau 43 (9) 412-418.

Zielinska, A. and Gronowicz, Z. (1991): The effect of planting date and spacing on the yield of the potato cultivars Fauna, Fala and Brda. Acta Academiae Agriculturae

ac Technica Olstenensis, Agricultura No. 52, 163-173 (C.F. Field Crop Abst., 45 (12) 8676, 1992).

Zrust, J. And Mica, B. (1992): The effect of growth regulators on dry matter and saccharide component content in potato. Scientia Agriculturae Bohemoslovaca 24 (3) 231-241. (C.F. Field Crop Abstr. 46 (8): 5169, 1993).