

## مصادر الكتاب

الإدارة العامة للتدريب - وزارة الزراعة - جمهورية مصر العربية (١٩٨٣). إنتاج الخضر وتسويقها. القاهرة ٤٢٢ صفحة.

أستينو، كمال رمزي، وعز الدين فراج، ومحمد المقصود محمد، ووريد عبدالبر ووريد، وأحمد عبدالمجيد راضوان، وعبدالرحمن قطب جعفر (١٩٦٣). إنتاج الخضر. مكتبة الأنجلو المصرية - القاهرة - ١٣١٠ صفحات.

حسن، أحمد عبدالمنعم (١٩٩٨). تكنولوجيا إنتاج الخضر. المكتبة الأكاديمية - القاهرة ٧٢٥ صفحة.

حسن، أحمد عبدالمنعم (٢٠٠١). القرعيات: البطيخ - القاوون (الكنتلوب) والشمام - الخيار - الكوسة. الدار العربية للنشر والتوزيع - القاهرة - ٤٩٨ صفحة.

حماد، شاكرا، وأحمد لطفى عبدالسلام (١٩٨٥). الحشرات الاقتصادية فى مصر والعالم العربى. دار المريح - الرياض - ٥٥٥ صفحة.

حماد، شاكرا، وعبدالعزيز المنشاوى (١٩٨٥). الحشرات الاقتصادية لمحاصيل الحقل والخضر، والفاكهة، والأشجار الخشبية، ونباتات الزينة، وطرق مقاومتها. دار المطبوعات الجديدة - الإسكندرية - ٤٠٢ صفة.

روبرتس، دانيال أ، وكارل و. بوثرويد (١٩٨٦). أساسيات أمراض النبات. ترجمة إبراهيم جمال الدين وآخرين. الدار العربية للنشر والتوزيع - القاهرة - ٥٢٣ صفحة.

سرور، مصطفى، ومحمد بيومى على، ومحمد عبدالبديع (١٩٣٦). الخضروات فى مصر. مطبعة مصر - القاهرة - ٤٤٠ صفحة.

عبدالسلام، أحمد لطفى (١٩٩٣). الآفات الحشرية فى مصر والبلاد العربية وطرق السيطرة عليها. الجزء الثانى: الآفات الحشرية التى تصيب بساتين الخضر والفاكهة والزينة. المكتبة الأكاديمية - القاهرة - ٧٨١ صفحة.

مرسى، مصطفى على، وأحمد المربع (١٩٦٠). نباتات الخضر - الجزء الثانى: زراعة نباتات الخضر. مكتبة الأنجلو المصرية - القاهرة - ٧١٥ صفحة.

وزارة الزراعة واستصلاح الأراضي - جمهورية مصر العربية (١٩٩٧) برنامج مكافحة الآفات الزراعية ١٧٢ صفحة

- Achar, P. N. 1998. Effects of temperature on germination of *Peronospora parasitica* conidia and infection of *Brassica oleracea*. J. Phytopath. 146(2/3): 137-141.
- Acuna, P. A. and M. Carballo V. 2000. Comparison of *Beauveria bassiana* strain with insecticides used for control of *Plutella xylostella*. (In Spanish with English summary). Manejo Integrado de Plagas No. 56: 52-57. c. a. Hort. Abstr. 71(1): 616; 2001.
- Aditya, D. K. and R. Fordham. 1995. Effects of cold treatment and of gibberellic acid on flowering of cauliflower. J. Hort. Sci. 70(4): 577-585.
- Ahmed, A. H. H., N. F. Kheir, and N. B. Talaat. 1997. Physiological studies on reducing the accumulation of nitrate in Jew's mallow (*Corchorus olitorius* L.) and radish (*Raphanus sativus* L.) plants. Bull. Fac. Agric., Univ. Cairo 48: 25-64.
- Amagasa, T., M. Ogawa, Y. Kamuro, and M. Shirai. 1993. Inhibitory effects of (S)-(+)-abscisic acid on bolting in Japanese radish. (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 62(2): 383-388. c. a. Hort. Abstr. 65(4): 3024; 1995.
- Amend, J. and T. Basedow. 1997. Combining release/establishment of *Diadegma semiclausum* (Hellen) (Hym., Ichneumonidae) and *Bacillus thuringiensis* Berl. for control of *Plutella xylostella* (L.) (Lep., Yponomeutidae) and other lepidopteran pests in the Cordillera Region of Luzon (Phillippines). J. Appl. Entomology 121(6): 337-342.
- Americanos, P. G. and N. A. Vouzounis. 1995. Control of Orobanche in cabbage. Cyprus Agricultural Research Institute (Nicosia, Cyprus), Technical Bulletin No. 170. 7 p. c. a. Hort. Abstr. 66(10): 8549; 1996.
- Aric, T., Y. Kobayashi, G. Okada, Y. Kono, and I. Yamaguchi. 1998. Control of soilborne clubroot disease of cruciferous plants by epoxydon from *Phoma glomerata*. Plant Pathology 47(6): 743-748.
- Artés, F. and J. A. Martinez. 1999. Quality of cauliflower as influenced by film wrapping during shipment. European Food Research and Technology 209(5): 330-334.

- Arthey, V. D. 1975. Quality of horticultural products. Butterworths, London. 228 p.
- Asgrow Seed Company. 1977. Seed for today: descriptive catalog of vegetable varieties No. 22. 152 p.
- Babadoost, M., M. L. Deric, and R. L. Gabrielson. 1996. Efficacy of sodium hypochlorite treatments for control of *Xanthomonas campestris* pv. *campestris* in *Brassica* seeds. Seed Sci. Tech. 24(1): 7-15.
- Babic, I. and A. E. Watada. 1998. Freeze-dried spinach powder inhibits growth of *Listeria* species and strains in tryptic soy broth. HortScience 33(5): 884-886.
- Banga, O. 1976. Radish, pp. 60-62. In: N. W. Simmonds. (ed.). Evolution of crop plants. Longman, London.
- Barker, A. V., D. N. Maynard, and H. A. Mills. 1974. Variations in nitrate accumulation among spinach cultivars. J. Amer. Soc. Hort. Sci. 99: 132-134.
- Batal, K. M., D. M. Granberry, and B. G. Mullinix, Jr. 1997. Nitrogen, magnesium, and boron applications affect cauliflower yield, curd mass, and hollow stem disorder. HortScience 32(1): 75-78.
- Bécot, S., E. Pajot, D. le Corre, C. Monot, and D. Silué. 2000. Phytogard<sup>R</sup> (K<sub>2</sub>HPO<sub>3</sub>) induces resistance in cauliflower to downy mildew of crucifers. Crop Protection 19(6): 417-425.
- Bhat, R. G. and K. V. Subbarao. 2001. Reaction of broccoli to isolates of *Verticillium dahliae* from various hosts. Plant Disease 85(2): 141-146.
- Bible, B. B., H. Y. Ju, and C. Chong. 1980. Influence of cultivar, season, irrigation and date of planting on thiocyanin content in cabbage. J. Amer. Soc. Hort. Sci. 105: 88-91.
- Bleasdale, J. K. A. 1973. Plant physiology in relation to horticulture. The Macmillan Pr. Ltd, London. 144 p.
- Boo, H. O. and B. Y. Lee. 1999. Effect of light on the biosynthesis of anthocyanin in *Brassica oleracea* var. *capitata* f. *rubra* L. (In Korean with English summary). J. Korean Soc. Hort. Sci. 40(3): 322-326. c. a. Hort. Abstr. 69(12): 10338; 1999.
- Boogaard, R. van den and K. Thorup-Kristensen. 1999. The effect of defoliation on phenological development and yield in cauliflower. J. Hort. Sci. Biotech. 74(2): 269-275.

- Booij, R. 1990a. Effects of juvenility and temperature on time of curd initiation and maturity of cauliflower. *Acta. Horticulturae* No. 267: 305-312.
- Booij, R. 1990b. Cauliflower curd initiation and maturity: Variability within a crop. *J. Hort. Sci.* 65(2): 167-175.
- Bracy, R. P., R. L. Parish, P. E. Bergeron, E. B. Moser, and R. J. Constantin. 1992. Precision-seedling cabbage to a stand. *Louisiana Agriculture* 35(4): 5-7.
- Bracy, R. P., R. L. Parish, and E. B. Moser. 1995. Planting cauliflower to a stand with precision seeding. *HortScience* 30(3): 484-486.
- Brown. J. K. and H. S. Costa. 1992. First report of whitefly-associated disorder of *Cucurbita* in Arizona and of white streaking disorder of *Brassica* species in Arizona and California. (Abstract). *Plant Disease* 76(4): 426.
- Bukhov, N. G., V. V. Bondar, I. S. Drozdova, A. N. Kara, A. A. Koto, S. N. Maevskaaya, A. A. Vasil'ev, S. Y. Voevudskaya, P. Y. Voronin, and A. T. Mokronosov. 1966. Development of storage roots in radish (*Raphanus sativus*) plants as affected by light quality. *J. Plant Phys.* 149(3/4): 405-412.
- Carlson, D. G., M. E. Daxenbichler, C. H. van Etten, C. B. Hill, and P. H. Williams. 1985. Glucosinolates in radish cultivars. *J. Amer. Soc. Hort. Sci.* 110: 634-638.
- Carlson, D. G., M. E. Daxenbichler, C. H. Van Etten., W. F. Kwolek, and P. H. Williams. 1987. Glucosinolates in crucifer vegetables: broccoli, brussels sprouts, cauliflower, collards, kale, mustard green, and kohlrabi. *J. Amer. Soc. Hort. Sci.* 112(1): 173-178.
- Carlson, D. G., M. E. Daxenbichler, H. L. Tookey, W. F. Kwolek, C. B. Hill, and P. H. Williams. 1987. Glucosinolates in turnip tops and roots: cultivars grown for greens and/or roots. *J. Amer. Soc. Hort. Sci.* 112(1): 179-183.
- Charron, C. S. and C. E. Sams. 1999. Inhibition of *Pythium ultimum* and *Rhizoctonia solani* by shredded leaves of *Brassica* species. *J. Amer. Soc. Hort. Sci.* 124(5): 462-467.

- Chauhan, Y. S. and T. Senboku. 1996. Thermostabilities of cell-membrane and photosynthesis in cabbage cultivars differing in heat tolerance. *J. Plant Phys.* 149(6): 729-734.
- Chen, J. J., Y. W. Sun, and T. F. Sheen. 1999. Use of cold water for irrigation reduces stem elongation of plug-grown tomato and cabbage seedlings. *HortScience* 34(5): 852-854.
- Chong, C., A. G. Kanakis, and B. B. Bible. 1982. Influence of growth regulators on ionic thiocyanate content of cruciferous vegetable crops. *J. Amer. Soc. Hort. Sci.* 107: 586-589.
- Chun, C., A. Watanabe, H. H. Kim, T. Kozai, and J. Fuse. 2000. Bolting and growth of *Spinacia oleracea* L. can be altered by modifying the photoperiod during transplant production. *HortScience* 35(4): 624-626.
- Chun, C., M. Tominaga, and T. Kozai. 2001. Floral development and bolting of spinach as affected by photoperiod and integrated photosynthetic photon flux during transplants production. *HortScience* 36(5): 889-892.
- Chung, B. K., S. W. Kang, and H. Y. Choo. 1997. Joint toxic action of bifenthrin and prothiofos mixture for the control of insecticide-resistant diamondback moth, *Plutella xylostella* L. *Korean J. Appl. Ent.* 36(1): 105-110. c. a. Hort. Abstr. 68(3): 2233; 1998.
- Chupp, C. and A. F. Sherf. 1960. Vegetable diseases and their control. Ronald Pr. Co., N. Y. 693 p.
- Ciska, E., M. Piskula, B. Martyniak-Przybyszewska, K. Waszczuk, and H. Kozłowska. 1994. Glucosinolates in various cabbage cultivars grown in Poland. *Polish Journal of Food and Nutrition Sciences* 3(3): 119-126. c. a. Hort. Abstr. 66(8): 6798; 1996.
- Coogan, R. C., R. B. H. Wills, and V. Q. Nguyen. 1999. Effect of planting time on the pungency concentration of white radish (*Raphanus sativus* L.) grown on the central coast of New South Wales, Australia. *Acta Horticulturae* No. 483: 89-94.
- Correll, J. C., S. T. Koike, L. P. Brandenberger, M. C. Black, and T. E. Morelock. 1990. A new race of downy mildew threatens spinach. *Calif. Agric.* 44(6): 14-15.

- Cossins, E. A. 2000. The fascinating world of folate and one-carbon metabolism. *Canad. J. Bot.* 78(6): 691-708.
- Csizinsky, A. A. 1996. Optimum planting time, plant spacing, and nitrogen and potassium rates to maximize yield of green cauliflower. *HortScience* 31(6): 930-933.
- Cubeta, M. A., B. R. Cody, R. E. Sugg, and C. R. Crozier. 2000. Influence of soil calcium, potassium, and pH on development of leaf tipburn of cabbage in eastern North Carolina. *Communications in Soil Science and Plant Analysis* 31(3/4): 259-275.
- Dickson, M. H. 1977. Inheritance of resistance to tipburn in cabbage. *Euphytica* 26: 811-815.
- Dickson, M. H. 1985. Male sterile persistent white curd cauliflower NY 7642 A and its maintainer NY 7642 B. *HortScience* 20: 957.
- Dickson, M. H. and C. Y. Lee. 1980. Persistent white curd and other curd characters of cauliflower. *J. Amer. Soc. Hort. Sci.* 105: 533-535.
- Dickson, M. H. and D. H. Wallace. 1986. Cabbage breeding, pp. 395-432. In: M. J. Bassett. (ed.). *Breeding vegetable crops*. Avi Pub. Co., Inc., Westport, Connecticut.
- Dixon, G. R. 1981. *Vegetable crop diseases*. Avi Pub. Co., Inc., Westport, Connecticut. 404 p.
- Dillard, H. R., A. C. Cobb, and J. S. Lamboy. 1998. Transmission of *Alternaria brassicicola* to cabbage by flea beetles (*Phyllotreta cruciferae*). *Plant Dis.* 82: 153-157.
- Dixon, G. R. 1996. Repression of the morphogenesis of *Plasmiodiophora brassicae* Wor. By boron – a review. *Acta Horticulturae* No. 407: 393-401.
- Duval, L., E. More, and A. Sicot. 1991. Observations on molybdenum deficiency in cauliflower in Brittany (In French with English summary). *Comptes Rendus de l'Academie d'Agriculture de France* 78(1): 27-34. c. a. *Hort. Abstr.* 64(2): 1067; 1994.
- Dzhalilov, F. S. and R. D. Tiwari. 1995. Soil and cabbage plant debris as infection sources of black rot. *Archives of Phytopathology and Plant Protection* 29(5): 383-386.

- Edmond, J. B., T. L. Senn, F. S. Andrews, and R. G. Halfacre. 1975. Fundamentals of horticulture. McGraw-Hill Book Co., N. Y. 560 p.
- Elmer, W. H. 1997. Influence of chloride and nitrogen form on Rhizoctonia root and crown rot of table beets. Plant Dis. 81: 635-640.
- Etoh, T. 1994. Recent studies on leaf, flower, stem and root vegetables in Japan. Hort. Abstr. 64(2): 121-129.
- Everaarts, A. P. 2000. Nitrogen balance during growth of cauliflower. Scientia Horticulturae 83(3/4): 173-186.
- Everaarts, A. P. and M. Blom-Zandstra. 2001. Internal tipburn of cabbage (*Brassica oleracea* var. *capitata*). J. Hort. Sci. Biotech. 76(5): 515-521.
- Everaarts, A. P. and R. Booij. 2000. The effect of nitrogen application on nitrogen utilization by white cabbage (*Brassica oleracea* var. *capitata*) and on nitrogen in the soil at harvest. J. Hort. Sci. Biotech. 75(6): 705-712.
- Everaarts, A. P. and C. P. de Moel. 1997. The effect of nitrogen on phosphorus and potassium removal by cauliflower Gartenbauwissenschaft 62(3): 133-137. c. a. Hort. Abstr. 67(11): 9444; 1997.
- Everaarts, A. P., C. P. de Moel, and M. van Noordwijk. 1996. The effect of nitrogen and the method of application on nitrogen uptake of cauliflower and on nitrogen in crop residues and soil at harvest. Netherlands J. Agric. Sci. 44(1): 43-55.
- Fahey, J. W. and K. K. Stephenson. 1999. Cancer chemoprotective effects of cruciferous vegetables. HortScience 34(7): 1159-1163.
- FAO, Food and Agriculture Organization of the United Nations 1999. FAO production yearbook, vol. 53. Rome, Italy.
- Farnham, M. W., K. K. Stephenson, and J. W. Fahey. 2000. Capacity of broccoli to induce a mammalian chemoprotective enzyme varies among inbred lines. J. Amer. Soc. Hort. Sci. 125(4): 482-488.
- Fellows, J. R., D. C. E. Wurr, K. Phelos, and R. J. Reader. 1999. Initiation of early summer cauliflowers in response to temperature. J. Hort. Sci. & Biotech. 74(3): 328-336.
- Fennell, A. and P. H. Li. 1987. Freezing tolerance and rapid cold acclimation of spinach. J. Amer. Soc. Hort. Sci. 112(2): 306-309.

- Fernández, J. A., S. Banón, J. A. Franco, A. González, and P. A. Martínez. 1997. Effects of vernalization and exogenous gibberellins on curd induction and carbohydrate levels in the apex of cauliflower (*Brassica oleracea* var. *botrytis*). *Scientia Horticulturae* 70(2/3): 223-230.
- Forney, C. F. and M. A. Jordan. 1999. Anaerobic production of methanethiol and other compounds by *Brassica* vegetables. *HortScience* 34(4): 696-699.
- Francois, L. E. 1986. Effect of excess boron on broccoli, cauliflower, and radish. *J. Amer. Soc. Hort. Sci.* 111: 494-498.
- Frantz, J. M., G. E. Welbaum, Z. X. Shen, and R. Morse. 1998. Comparison of cabbage seedling growth in four transplant production systems. *HortScience* 33(6): 976-979.
- Fryxall, P. A. 1957. Mode of reproduction of higher plants. *Bot. Rev.* 23: 135-233.
- Fujiwara, T., H. Yoshioka, H. Shikata, and F. Sato. 1998. Effects of transplanting depth of plug seedlings on the establishment and the growth of cabbage. (In Japanese with English summary). *J. Jap. Soc. Hort. Sci.* 67(5): 767-772. c. a. *Hort. Abstr.* 69(1): 362; 1999.
- Fujiwara, T., H. Yoshioka, and F. Sato. 2000. Effects of plant spacing and initial-growth of seedlings after transplanting on the uniformity of cabbage heads at harvest. (In Japanese with English summary). *J. Jap. Soc. Hort. Sci.* 69(3): 315-322. c. a. *Hort. Abstr.* 70(11): 9557; 2000.
- Fuller, M. P. 1993. Varietal differences in frost hardiness of cauliflower. *Aspects of Applied Biology* No. 34: 179-182.
- Fuller, M. P., G. G. White, and A. Charman. 1994. The freezing characteristics of cauliflower curd. *Annals of Applied Biology* 125(1): 179-188.
- George, R. A. T. 1985. Vegetable seed production. Longman, London. 318 p.
- Giusti, M. M., L. E. Rodriguez-Saona, J. R. Baggett, G. L. Reed, R. W. Durst, and R. E. Wrolstad. 1998. Anthocyanin pigment composition of red radish cultivars as potential food colorants. *J. Food Sci.* 63(2): 219-224.

- Goldman, I. L. 1995. Differential effect of population density on shape and size of cylindrical red beet (*Beta vulgaris* L.) genotypes. J. Amer. Soc. Hort. Sci. 120(6): 906-908.
- Goldman, I. L., K. A. Eagen, D. N. Breithbach, and W. H. Gabelman. 1996. Simultaneous selection is effective in increasing betalain pigment concentration but not total dissolved solids in red beet. J. Amer. Soc. Hort. Sci. 121(1): 23-26.
- Godard, J. F., S. Ziadi, C. Monot, D. le Corre, and D. Silué. 1999. Benzothiadiazole (BTH) induces resistance in cauliflower (*Brassica oleracea* var. *botrytis*) to downy mildew of crucifers caused by *Peronospora parasitica*. Crop Protection 18(6): 397-405.
- Gray, A. R. and L. S. Doyle. 1994. Breeding progress in green curded cauliflowers (*Brassica oleracea* L. Botrytis group). J. Hort. Sci. 69(5): 851-859.
- Grevsen, K. 1990. Prediction of harvest in cauliflower based on meteorological observations. Acta Horticulturae No. 267: 313-322.
- Grevsen, K. and K. Kaack. 1996. Quality attributes and morphological characteristics of spinach (*Spinacia oleracea* L.) cultivars for industrial processing. J. Veg. Crop Prod. 2(2): 15-29.
- Gruesbeck, R. V. and B. H. Zandstra. 1988. Calcium applications overcome tipburn in cauliflower (Abstr.). HortScience 23: 827.
- Gubler, W. D., A. H. McCain, H. D. Ohr, A. D. Paulus, and B. Teviotdle. 1986. California plant disease handbook and study guide for agricultural pest control advisors. Univ. Calif., Div. Agric. Natural Resources. Pub. No. 4046. 157 p.
- Halbrooks, M. C. and L. A. Peterson. 1986. Boron use in the table beet and the relation of short-term boron stress to blackheart injury. J. Amer. Soc. Hort. Sci. 111: 751-757.
- Hansen, M., P. Moller, H. Sorensen, and M. C. de Trejo. 1995. Glucosinolates in broccoli stored under controlled atmosphere. J. Amer. Soc. Hort. Sci. 120(6): 1069-1074.
- Harris, D. R., V. Q. Nguyen, J. A. Seberry, A. Haigh, and W. B. McGlasson. 1993. Investigations into the postharvest handling of daikon (*Raphanus sativus* L.). Acta Horticulturae No. 343: 295-296.

- Harris, D. R., V. Q. Nguyen, J. A. Seberry, A. M. Haigh, and W. B. McGlasson. 2000. Growth and postharvest performance of white radish (*Raphanus sativus* L.). *Aust. J. Exp. Agric.* 40(6): 879-888.
- Hawthorn, L. R. and L. H. Pollard. 1954. Vegetable and flower seed production. The Blackistone Co., Inc., N. Y. 626 p.
- Hawthorn, L. R., E. H. Toole, and V. K. Toole. 1962. Yield and viability of carrot seeds as affected by position of umbel and time of harvest. *Proc. Amer. Soc. Hort. Sci.* 80: 401-407.
- Heckman, J. R., T. Morris, J. T. Sims, T. B. Sieczka, U. Krogmann, P. Nitzsche, and R. Ashley. 2002. Pre-sidedress soil nitrate test is effective for fall cabbage. *HortScience* 37(1): 113-117.
- Hedrick, U. P. (ed.). 1919. Sturtevant's notes on edible plants. J. B. Lyon Co., Albany, N. Y. 686 p.
- Hildebrand, P. D. and K. B. McRae. 1998. Control of clubroot caused by *Plasmodiophora brassicae* with nonionic surfactants. *Canad. J. Plant Path.* 20(1): 1-11.
- Hildebrand, P. D., P. G. Braun, K. B. McRae, and X. Lu. 1998. Role of the biosurfactant viscosin in broccoli head rot caused by a pectolytic strain of *Pseudomonas fluorescens*. *Canad. J. Plant Path.* 20(3): 296-303.
- Hirooka, M. and N. Sugiyama. 1992. Effect of growth rates on oxalate concentration in spinach leaves. (In Japanese with English summary). *J. Jap. Soc. Hort. Sci.* 61(3): 575-579. *c. a. Hort. Abstr.* 64(10): 7843, 1994.
- Hodges, D. M., C. F. Forney, and W. Wismer. 2000. Processing line effects on storage attributes of fresh-cut spinach leaves. *HortScience* 35(7): 1308-1311.
- Hodges, D. M., C. F. Forney, and W. V. Wismer. 2001. Antioxidant responses in harvested leaves of two cultivars of spinach differing in senescence rates. *J. Amer. Soc. Hort. Sci.* 126(5): 611-617.
- Hossain, M. M., H. Takeda, and T. Senboku. 1995. Proline content in *Brassica* under high temperature stress. *JIRCAS Journal* 2(2): 87-93.
- Ito, H. and T. Saito. 1961. Time and temperature factors for the flower formation in cabbage. *Tohoku J. Agr. Res.* 12: 297-316.

- Ivey, P. W. and S. J. Johnson. 1997. Efficacy of *Bacillus thuringiensis* and cabbage cultivar resistance to diamondback moth (Lepidoptera: Yponomeutidae) Florida Entomologist 80(3): 396-401.
- Jensen, B. D., A. O. Latunde-Dada, D. Hudson, and J. A. Lucas. 1998. Protection of *Brassica* seedlings against downy mildew and damping-off by seed treatment with CGA 245704, an activator of systemic acquired resistance. Pesticide Science 52(1): 63-69.
- Jones, H. A. and J. T. Roza. 1928. Truck crop plants. McGraw-Hill Book Co., Inc., N. Y. 538 p.
- Ju, H. Y., B. B. Bible, and C. Chong. 1980. Variation of thiocyanate content in cauliflower and broccoli cultivars. J. Amer. Soc. Hort. Sci. 105: 187-189.
- Justin, C. G. L., R. J. Rabindra, and S. Jayaraj. 1990. *Bacillus thuringiensis* Berliner and some insecticides against the diamond-back moth, *Plutella xylostella* (L.) on cauliflower. Journal of Biological Control 4(1): 40-43.
- Kano, Y. and N. Fukuoka. 1992. Relationship between the occurrence of hollowing and lignification of parenchymatous cells in the root of Japanese radish cv. Gensuke. J. Jap. Soc. Hort. Sci. 61(2): 359-366.
- Kano, Y. and N. Fukuoka. 1994. Varietal differences in the occurrence of hollowing and lignification of parenchymatous cells in the roots of Japanese radish (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 62(4): 801-809. c. a. Hort. Abstr. 65(2): 1235; 1995.
- Kano, Y. and N. Fukuoka. 1995. Effects of soil temperature on hollowness in Japanese radish (*Raphanus sativus* L. cv. 'Gensuke'). Scientia Horticulturae 61(3/4): 157-166.
- Kano, Y. and N. Fukuoka. 1996a. Role of endogenous cytokinin in the development of hollowing in the root of Japanese radish (*Raphanus sativus* L.). Scientia Horticulturae 65(2/3): 105-115.
- Kano, Y. and N. Fukuoka. 1996b. Effects of auxin application on the lignification of xylem parenchymatous cells and the development of hollowness in the root of Japanese radish (*Raphanus sativus* L.). J. Hort. Sci. 71(5): 791-799.
- Katsube, K., Y. Akasaka, and F. Nakatani. 1994. Biocontrol of Fusarium

- wilt of spinach by using nonpathogenic *Fusarium oxysporum*. 2. Investigation of inoculation methods. (In Japanese with English summary). Annual Report of the Society of Plant Protection of North Japan No. 45: 72-75. c. a. Rev. Plant Path. 74(8): 5003; 1995.
- Katzman, L. S., A. G. Taylor, and R. W. Langhans. 2001. Seed enhancements to improve spinach germination. HortScience 36(5): 979-981.
- Kawai, T., M. Hikawa, and T. Fujisawa. 1992. Effects of sowing time, soil temperature, and shade on internal browning and polyphenol concentration in roots of Japanese radish. (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 61(2): 339-346. c. a. Hort. Abstr. 64(9): 7032; 1994.
- Kawai, T., M. Hikawa, T. Fujisawa, Y. Ono, and E. Ishibashi. 1993. Effects of boron and phosphate on overcoming internal browning in roots of Japanese radish (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 62(1): 165-172. c. a. Hort. Abstr. 65(5): 4000; 1995.
- Kawai, T., M. Hikawa, and Y. Ono. 1995. Effects of calcium sulfate and sublimed sulfur on incidence of internal browning in roots of Japanese radish (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 64(1): 79-84. c. a. Hort. Abstr. 65(10): 8883; 1995.
- Kawai, T., M. Hikawa, and T. Fujisawa. 1997. Effect of foliar spray of gibberellin on the incidence of internal browning in roots of Japanese radish J. Jap. Soc. Hort. Sci. 66(3/4): 543-548. c. a. Hort. Abstr. 68(6): 4971; 1998.
- Khan, A. A. and A. G. Taylor. 1986. Polyethylene glycol incorporation in table beet seed pellets to improve emergence and yield in wet soil. HortScience 21: 987-989.
- Kieffer, M., M. P. Fuller, and A. J. Jellings. 1995. Rapid mass production of cauliflower propagules from fractionated and graded curd. Plant Science (Limerick) 107(2): 229-235.
- Kieffer, M., M. P. Fuller, and A. J. Jellings. 1996. Mathematical model of cauliflower curd architecture based on biometrical analysis. Acta Horticulturae No. 407: 361-367.
- Kim, H. H., C. Chun, T. Kozai, J. Fuse. 2000. The potential use of

- photoperiod during transplant production under artificial lighting conditions on floral development and bolting using spinach as a model. *HortScience* 35(1): 43-45.
- Klasse, H. J. 1996. Calcium cyanamide – an effective tool to control clubroot - a review. *Acta Horticulturae* No. 407: 403-409.
- Klingman, G. C. and F. M. Ashton. 1975. *Weed science: principles and practices*. John Wiley & Sons, N. Y. 431 p.
- Ko, N. P., A. E. Watada, D. V. Schlimme, and J. C. Bouwkamp. 1996. Storage of spinach under low oxygen atmosphere above the extinction point. *J. Food Sci.* 61(2): 398-400.
- Kocks, C. G. and J. C. Zadoks. 1996. Cabbage refuse piles as sources of inoculum for black rot epidemics. *Plant Disease* 80(7): 789-792.
- Kochler, K. H., B. Voigt, H. Spittler, and M. Schelenz. 1997. Biochemical events after priming and osmoconditioning of seeds. *Current Plant Science and Biotechnology in Agriculture* No. 30: 531-536.
- Koike, S. T. and K. V. Subbarao. 2000. Broccoli residues can control *Verticillium* wilt of cauliflower. *California Agriculture* 54(3): 30-33.
- Koivu, T., V. Pironen, and P. Mattila. 1999. Vegetables as sources of vitamin K in Finland, pp. 300-302. In: M. Hagg, R. Ahvenainen, A. M. Evers, and K. Tillikkala. (eds.). *Agri-food quality II: quality management of fruits and vegetables – from field to table*. Royal Society of Chemistry, Cambridge, UK. c. a. Hort. Abstr. 69(10): 8342; 1999.
- Komai, F., K. Masuda, T. Ishizaki, and T. Harada. 1999. Sex expression in plants regenerated from the root callus of female and male spinach (*Spinacia oleracea*). *Plant Science (Limerik)* 146(1): 35-40.
- Kubota, A., T. L. Thompson, T. A. Doerge, and R. E. Godin. 1996. A petiole sap nitrate test for cauliflower. *HortScience* 31(6): 934-937.
- Kumar, S. and J. P. Sharma. 1997. exogenous application of boron and nitrogen on susceptibility of cauliflower to black rot. *Journal of Mycology and Plant Pathology* 27(2): 210-214.
- Kundu, P. K. and B. Nandi. 1993. Inhibition of *Rhizoctonia solani* by *Streptomyces arenae* and *S. chibaensis* in soil. *J. Mycopath. Res.* 31(1): 35-42.

- Kyung, K. H., H. P. Fleming, C. T. Young, and C. A. Haney. 1995. 1-Cyano-2,3-epithiopropene as the primary sinigrin hydrolysis product of fresh cabbage. *J. Food Sci.* 60(1): 157-159.
- Lee, J. M., I. O. Yoo, and B. H. Min. 1996. Effect of cultivars and cultural conditions on the pungent principle contents in radish roots. (In Korean with English summary). *J. Korean Soc. Hort. Sci.* 37(3): 349-356. c. a. *Plant Breed. Abstr.* 67(1): 562; 1997.
- Lee, P. C., A. G. Taylor, and D. H. Paine. 1997. Sinapine leakage for detection of seed quality in *Brassica*. *Current Plant Science and Biotechnology in Agriculture No.* 30: 337-345.
- Lee, Y. D., E. Goto, T. Takakura, and K. Kurata. 1998. Effect of nutrient solution temperature on root growth of spinach under high air temperature conditions. (In Japanese with English summary). *J. Soc. High Tech. Agric.* 10(4): 225-230. c. a. *Hort. Abstr.* 69(5): 4007; 1999.
- Leja, M., Wojciechowska, S. Rozek, and A. Mareczek. 1999. Stress response of mechanically damaged cabbage during short-term storage as related to applied nitrogen fertilizers. *Folia Horticulturae* 11(2): 57-68.
- Leskovar, D. I. and A. K. Boales. 1996. Azadirachtin: potential use for controlling lepidopterous insects and increasing marketability of cabbage. *HortScience* 31(3): 405-409.
- Leskovar, D. I., V. Esensee, and H. Belefant-Miller. 1999. Pericarp, leachate, and carbohydrate involvement in thermoinhibition of germinating spinach seeds. *J. Amer. Soc. Hort. Sci.* 124(3): 301-306.
- Lorenz, O. A. and D. N. Maynard. 1980. *Knott's handbook for vegetable growers* Wiley-Interscience, N. Y. 390 p.
- Lougheed, E. C. 1987. Interactions of oxygen, carbon dioxide, temperature, and ethylene that may induce injuries in vegetables. *HortScience* 22(5): 791-794.
- Ludy, R. L., M. L. Powelson, and D. D. Hemphill, Jr. 1997. Effect of sprinkler irrigation on bacterial soft rot and yield of broccoli. *Plant Disease* 81(6): 614-618.
- Lutz, J. M. and R. E. Hardenburg. 1968. *The commercial storage of fruits, vegetables, and florist and nursery stocks.* U. S. Dept. Agric. Agric. Handbook No. 66. 94 p.

- Magruder, R. 1937. Improvement in the leafy cruciferous vegetables, pp. 283-299. In: U. S. Dept. Agric. Yearbook of agriculture: Better plants and animals. Vol. II. Washington, D. C.
- Mahiar, M. and H. Khlaif. 1999. Black rot of crucifers in Jordan: sources of inoculum. *Dirasat. Agricultural Sciences* 26(3): 329-337.
- Marks, H. S., H. C. Leichtweis, and G. S. Stoewsand. 1991. Analysis of a reported organosulfur, carcinogenesis inhibitor: 1,2-dithiole-3-thione in cabbage. *J. Agric. Food Chem.* 39(5): 893-895.
- Marks, H. S., J. A. Hilson, H. C. Leichtweis, and G. S. Stoewsand. 1992. S-Methyleysteine sulfoxide in *Brassica* vegetables and formation of methanethiosulfinate from Brussels sprouts. *J. Agric. Food Chem.* 40(11): 2098-2101.
- Martinetti, L. 1995. Nitrate and nitrite accumulation in spinach in relation to nitrogen fertilization. (In Italian with English summary). *Italus Hortus* 2(5/6): 17-22. c. a. *Hort Abstr.* 67(5): 3959; 1997.
- Masuda, M. and K. Konishi. 1993. Improvement of high-temperature germination of spinach seed with acid scarification and priming with polyethylene glycol 6000. *J. Jap. Soc. Hort. Sci.* 62(2): 419-424. c. a. *Hort. Abstr.* 65(4): 2990; 1995.
- Masuda, M. and M. Momura. 1997. Enhancement of spinach growth as affected by the addition of sodium chloride to the nutrient solution under artificial light condition. (In Japanese with English summary). *J. Soc. High Tech. Agric.* 9(1): 29-35. c. a. *Hort. Abstr.* 68(4): 3061; 1998.
- Maynard, D. N. and A. V. Barker. 1974. Nitrate accumulation in spinach as influenced by leaf type. *J. Amer. Soc. Hort. Sci.* 99: 135-138.
- Maynard, D. N., A. V. Barker, P. L. Minotti, and N. H. Peck. 1976. Nitrate accumulation in vegetables. *Adv. Agron.* 28: 71-118.
- McGrady, J. 1996. Transplant nutrient conditioning improves cauliflower early growth. *J. Veg. Crop Prod.* 2(2): 39-49.
- McGregor, S. E. 1976. Insect pollination of cultivated crop plants. U. S. Dept. Agric., Agric. Res. Serv., Agric. Handbook No. 496. 411 p.
- McKay, A. G., R. M. Floyd, and C. J. Boyd. 1992. Phosphonic acid controls downy mildew (*Peronospora parasitica*) in cauliflower curds. *Aust. J. Exp. Agric.* 32(1): 127-129.

- McNab, A. A., A. F. Sherf, and J. K. Springer. 1983. Identifying diseases of vegetables. The Pennsylvania State Univ., University Park. 62 p.
- McNaughton, I. H. 1976. Turnip and relatives, pp. 45-48. In: N. W. Simmonds. (ed.). Evolution of crop plants. Longman, London.
- Menniti, A. M., M. Maccaferri, and A. Folchi. 1997. Physiopathological responses of cabbage stored under controlled atmospheres. *Postharvest Biology and Technology* 10(3): 207-212.
- Michalik, B. and D. Grzechelus. 1995. Betanine and nitrate contents in table beet cultivars as a function of growth period and manner of nitrogen fertilization. *Acta Horticulturae* No. 379: 205-212.
- Mills, H. A., A. V. Barker, and D. N. Maynard. 1976. Effects of nitrapyrin nitrate accumulation in spinach. *J. Amer. Soc. Hort. Sci.* 101: 202-204.
- Minges, P. A. (ed.). 1972. Descriptive list of vegetable varieties. Amer. Seed Trade Assoc., Washington, D. C.
- Mitchell, E. R., G. Hu, and D. Johanuwicz. 2000. Management of diamondback moth (Lepidoptera: Plutellidae) in cabbage using collard as a trap crop. *HortScience* 35(5): 875-879.
- Muro, J., I. Irigoyen, and C. Lamsfus. 1998. Using defoliation to estimate yield losses in cauliflower: application in hail damage assessment. *HortScience* 33(6): 984-987.
- Murray, J. 1977. Fruit & vegetables facts & pointers: radishes United Fresh Fruit and Vegetable Association, Alexandria, Va 15 p.
- Nakamoto, H., M. Kuroshima, and K. Shiozawa. 1998. Effects of shading, temperature, watering, application of manure on the oxalate, nitrate, vitamin C contents of spinach. (In Japanese). *Bulletin of Hokkaido Prefectural Agricultural Experiment Stations* No. 75: 25-30. c. a. Hort. Abstr. 69(5): 4011; 1999.
- Nakayama, M., H. Yamane, H. Nojiri, T. Yokota, I. Yamagochi. N. Murofushi, N. Takahashi, T. Nishijima, M. Koshioka, N. Katsura, and M. Nonaka. 1995. Qualitative and quantitative analysis of endogenous gibberellins in *Raphanus sativus* L. during cold treatment and subsequent growth. *Bioscience, Biotechnology and Biochemistry* 59(6): 1121-1125.
- Natwick, E. T., J. C. Palumbo, and C. E. Engle. 1996. Effects of

- imidacloprid on colonization of aphids and silverleaf whitefly and growth, yield and phytotoxicity in cauliflower. *Southwestern Entomologist* 21(3): 283-292.
- Nieuwhof, M. 1994. Effects of temperature and light on nitrate content of radish (*Raphanus sativus* L.). *Gartenbauwissenschaft* 59(5): 220-224.
- Nilsson, T. 1993. Influence of the time of harvest on keepability and carbohydrate composition during long-term storage of winter white cabbage. *J. Hort. Sci.* 68(1): 71-78.
- Nishijima, T. 2000. Gibberellin physiology and control of flowering and bolting of Japanese radish (*Raphanus sativus* L. ). (In Japanese with English summary(. *Bulletin of the National Institute of Vegetables, Ornamental Plants and Tea No. 15*: 135-208. c. a. *Hort. Abstr.* 70(12): 10430; 2000.
- Nishijima, T., N. Katsura, M. Koshioka, H. Yamazaki, and L. N. Mander. 1997. Effects of uniconazole and GA<sub>3</sub> on cold-induced stem elongation and flowering of *Raphanus sativus* L. *Plant Growth Regulation* 21(3): 207-214.
- Nomura, K., K. Kenjo, Y. Shirakawa, and K. Yoneda. 1999. Effect of temperature on vegetative growth, flower bud formation, bolting and flowering of Pakki-hood (*Raphanus sativus* L.) introduced from northern Thailand. *Jap. J. Trop. Agric.* 43(1): 11-17. c. a. *Hort. Abstr.* 69(8): 6823; 1999.
- Nowbuth, R. D. 1998. The effect of temperature on curd initiation of cauliflower, pp. 225-231. In: J. A. Laloutte, D. Y. Bachraz, N. Sukurdeep, and B. D. Seebaluck. (eds.). *Proceedings of the second annual meeting of agricultural scientists. Food and Agriculture Research Council, Reduit, Mauritius.* c. a. *Hort. Abster.* 68(9): 7700; 1998.
- Nowbuth, R. D. and S. Pearson. 1998. The effect of temperature and shade on curd initiation in temperate and tropical cauliflower. *Acta Horticulturae No. 459*: 79-87.
- OECD, Organization for Economic Cooperation and Development, Paris. 1970-1977. *Internation standarisisation of fruit and vegetahles.* 872 p.
- Okutani, I. and N. Sugiyama. 1994. Relationship between oxalate

- concentration and leaf position in various spinach cultivars. *HortScience* 29(9): 1019-1021.
- Olday, F. C., A. V. Barker, and D. N. Maynard. 1976. A physiological basis for different patterns of nitrate accumulation in two spinach cultivars. *J. Amer. Soc. Hort. Sci.* 101: 217-219.
- Ota, K. and A. Kagawa. 1996. Effect of nitrogen nutrients on the oxalate content in spinach plants. (In Japanese with English summary). *J. Jap. Soc. Hort. Sci.* 65(2): 327-332. *c. a. Hort. Abstr.* 67(1): 301; 1997.
- Oyama, H., Y. Shinohara, and T. Ito. 2000. Seasonal and diurnal changes in  $\beta$ -carotene concentration in spinach plant grown hydroponically. (In Japanese with English summary). *J. Jap. Soc. Hort. Sci.* 69(4): 477-482. *c. a. Hort. Abstr.* 71(1): 620; 2001.
- Parlevliet, J. E. 1967. The influence of external factors on the growth and development of spinach cultivars (*Spinacia oleracea* L.). H. Veenman & Zonen N. V., Wageningen. 75 p.
- Palzkill, D. A. and T. W. Tibbitts. 1977. Evidence that root pressure flow is required for calcium transport to head leaves of cabbage. *Plant Phys.* 60: 854-856.
- Palzkill, D. A., T. W. Tibbitts, and P. H. Williams. 1976. Enhancement of calcium transport to inner leaves of cabbage for prevention of tipburn. *J. Amer. Soc. Hort. Sci.* 101: 645-648.
- Palzkill, D. A., T. W. Tibbitts, and B. E. Struckmeyer. 1980. High relative humidity promotes tipburn on young cabbage plants. *HortScience* 15: 659-660.
- Pearson, S., P. Hadley, and A. E. Wheldon. 1994. A model of the effects of temperature on the growth and development of cauliflower (*Brassica oleracea* L. *botrytis*). *Scientia Horticulturae* 59(2): 91-106.
- Peck, N. H., M. H. Dickson, and G. E. MacDonald. 1983. Tipburn susceptibility in semiisogenic inbred lines of cabbage as influenced by nitrogen. *HortScience* 18(5): 726-728.
- Peck, N. H., J. P. VanBuren, G. E. MacDonald, M. Hemmat, and R. F. Becker. 1987. Table beet plant and canned root responses to Na, K, and Cl from soils and from application of NaCl and KCl. *J. Amer. Soc. Hort. Sci.* 112(2): 188-194.

- Petoseed Company. 1994. Crucifer diseases. Saticoy, California. 38 p.
- Pichard, B. and D. Thouvenot. 1999. Effect of *Bacillus polymyxa* seed treatments on control of black-rot and damping-off of cauliflower. *Seed Science and Technology* 27(2): 455-465.
- Piringer, A. A. 1962. Photoperiodic responses of vegetable plants, pp. 173-185. In: *Proceedings of plant science symposium*. Campbell Soup Company, Camden, N. J.
- Polderdijk, J. J. and G. J. P. M. van den Boogaard. 1998. Effect of reduced levels of O<sub>2</sub> and elevated levels of CO<sub>2</sub> on the quality of bunched radishes. *Gartenbauwissenschaft* 63(6): 250-253.
- Pontinen, V. and I. Voipio. 1992. Different methods of mechanical stress in controlling the growth of lettuce and cauliflower seedlings. *Acta Agriculturae Scandinavica. Section B, Soil and Plant Science* 42(4): 246-250. c. a. *Hort. Abstr.* 64(2): 1057; 1994.
- Porter, I. J., P. R. Merriman, and P. J. Keane. 1991. Soil solarisation combined with low rates of soil fumigants controls clubroot of cauliflowers, caused by *Plasmodiophora brassicae* Woron. *Australian Journal of Experimental Agriculture* 31(6): 843-851.
- Purseglove, J. W. 1974. *Tropical crops: dicotyledons*. The English Language Book Society, London. 719p.
- Purvis, E. R. and R. L. Carolus. 1964. Nutrient deficiencies in vegetable crops, pp. 245-286. In: H. B. Sprague. (ed.). *Hunger signs in crops*. David McKay Co., N. Y.
- Putnam, C. et al. (eds.). 1991. *Controlling vegetable pests*. Chevron Chemical Company, San Ramon, California. 160 p.
- Rahman, H. A. A., A. A. Ibrahim, and S. A. Elias. 1994. Effect of frequency and quantity of irrigation on growth and yield of cabbage (*Brassica oleracea* L.). *Europ. J. Agron.* 3(3): 249-252.
- Ramsey, G. B. and M. A. Smith. 1961. *Market diseases of cabbage, cauliflower, turnips, cucumber, melons and related crops*. U. S. Dept. Agric. Agr. Handbook No. 184. 49 p.
- Rather, K., M. K. Schenk, A. P. Everaarts, and S. Vethman. 1999. Response of yield and quality of cauliflower varieties (*Brassica oleracea* var. *botrytis*) to nitrogen supply. *J. Hort. Sci. Biotech.* 74(5): 658-664.

- Rather, K., M. K. Schenk, A. P. Everaarts, and S. Vethman. 2000. Rooting pattern and nitrogen uptake of three cauliflower (*Brassica oleracea* var. *botrytis*) F<sub>1</sub>-hybrids. *J. Plant Nutr. Soil Sci.* 163(5): 467-474.
- Read, P. E. 1982. Plant growth regulator use in field-scale vegetable crops, pp. 285-296. In: J. S. McLaren. (ed.). *Chemical manipulation of crop growth and development*. Butterworth Scientific, London.
- Regan, W. S., V. N. Lambeth, J. R. Brown, and D. G. Blevins. 1968. Fertilization interrelationships on yield, nitrate and oxalic acid content of spinach. *Proc. Amer. Soc. Hort. Sci.* 93: 485-492.
- Rosa, E. A. S. 1997a. Glucosinolates from flower buds of Portuguese *Brassica* crops. *Phytochemistry* 44(8): 1415-1419.
- Rosa, E. A. S. 1997b. Daily variation in glucosinolate concentrations in the leaves and roots of cabbage seedlings in two constant temperature regimes. *J. Sci. Food Agric.* 73(3): 364-368.
- Rosa, E. A. S., R. K. Heaney, C. A. M. Portas, and G. R. Fenwick. 1996. Changes in glucosinolate concentrations in *Brassica* crops (*B. oleracea* and *B. napus*) throughout growing seasons. *J. Sci. Food Agric.* 71(2): 237-244.
- Rosen, C. J. 1990. Leaf tipburn in cauliflower as affected by cultivar, calcium sprays, and nitrogen nutrition. *HortScience* 25(6): 650-663.
- Ryder, E. J. 1979. *Leafy salad vegetables*. The Avi Pub. Co., Inc., Westport, Conn. 66 p.
- Sacket, C. 1975. *Fruit & vegetable facts & pointers: spinach*. United Fresh Fruit & Vegetable Association, Alexandria, Virginia.
- Sadik, S. 1967. Factors involved in curd and flower formation in cauliflower. *Proc. Amer. Soc. Hort. Sci.* 90: 252-259.
- Saltveit, M. E. 1997. A summary of CA and MA requirements and recommendations for harvested vegetables. *CA'97 Proceedings, Vol. 4*, pp. 98-117. *Postharvest Horticulture Series No. 18*, University of California, Davis.
- Salunkhe, D. K. and B. B. Desai. 1984. *Postharvest biotechnology of vegetables*. Vol. I. CRC Press, Inc., Boca Raton, Florida. 208 p.

- Salunkhe, D. K. and S. S. Kadam. (eds.). 1998. Handbook of vegetable science and technology. Marcel Dekker, Inc., N. Y. 721 p.
- Sanchez, C. A., R. L. Roth, B. R. Gardner, and H. Ayer. 1996. Economic responses of broccoli and cauliflower to water and nitrogen in the desert. HortScience 31(2): 201-205.
- Sasaki, H., K. Inchimura, and M. Oda. 1996. Changes in sugar content during cold acclimation and deacclimation of cabbage seedlings. Annals of Botany 78(3): 365-369.
- Sasaki, H., K. Ichimura, M. Oda, and S. Imada. 2000. Effects of light during low temperature treatment and water stress on freezing tolerance and sugar contents in cabbage seedlings. JARQ, Japan Agricultural Research Quarterly 34(4): 261-264. c. a. Hort. Abstr. 71(6): 5088; 2001.
- Sastrosiswojo, S. 1996. Biological control of the diamondback moth in IPM systems: case study from Asia (Indonesia). In: Biological control introductions – opportunities for improved crop production, pp. 13-32. British Crop Protection Council, Farnham, UK.
- Saucke, H. 1994. Botanical pest control in cabbage: potential of neem products in IPM programs in Papua New Guinea. Harvest (Port Moresby) 16(1/2): 20-23. c. a. Hort. Abstr. 66(5): 4103; 1996.
- Saucke, H., F. Dori, and H. Schmutterer. 2000. Biological and integrated control of *Plutella xylostella* (Lep., Yponomeutidae) and *Crociodolomia pavonana* (Lep., Pyralidae) in brassica crops in Papua New Guinea. Biocontrol Science and Technology 10(5): 595-606.
- Scaife, A. and M. Turner. 1983. Diagnosis of mineral disorders in plants. Vol. 2. Vegetables. Her Majesty's Stationary Office, London. 96 p.
- Seelig, R. A. 1966. Fruit & vegetable facts & pointers: beets. United Fresh Fruit & Vegetable Association, Alexandria, Virginia. 11 p.
- Seelig, R. A. 1969. Fruits & vegetable facts & pointers: cabbage. United Fresh Fruit and Vegetable Association, Alexandria, Va. 22 p.
- Seelig, R. A. 1973. Fruit & vegetable facts & pointers: turnips. United Fresh Fruit and Vegetable Association. Alexandria, Va. 8 p.
- Scaife, A. and D. C. E. Wurr. 1990. Effects of nitrogen and irrigation un

- hollow stem of cauliflower (*Brassica oleracea* var. *botrytis*). J. Hort. Sci. 65(1): 25-29.
- Shamuganthan, V. and L. R. Benjamin. 1992. The influence of sowing depth and seed size on seedling emergence time and relative growth rate in spring cabbage (*Brassica oleracea* var. *capitata* L.). Annals of Botany 69(3): 273-276.
- Sharma, C. P. and S. Singh. 1990. Sodium helps overcome potassium deficiency effects on water relations of cauliflower. HortScience 25(4): 458-459.
- Sharma, C. P. and S. Singh. 1992. Sodium ameliorates the effect of potassium deficiency in cauliflower leaves. HortScience 27(11): 1203-1205.
- Sheen, T. F. 2000. Effect of day and night temperature variation and of high temperature on devernization in radish. Acta Horticulturae No. 514: 157-162.
- Shelton, A. M., W. T. Wilsey, and M. A. Schmaedick. 1998. Management of onion thrips (Thysanoptera: Thripidae) on cabbage by using plant resistance and insecticides. Journal of Economic Entomology 91(1): 329-333.
- Shetty, K. G., K. V. Subbarao, O. C. Huisman, and J. C. Hubbard. 2000. Mechanism of broccoli-mediated verticillium wilt reduction in cauliflower. Phytopathology 90: 305-310.
- Shiomi, T. 1992. Black rot of cabbage seeds and its disinfection under a hot-air treatment. JARQ, Japan Agricultural Research Quarterly 26(1): 13-18.
- Shoemaker, J. S. 1953. Vegetable growing. (2<sup>nd</sup> ed.). John Wiley & Sons., Inc., N. Y. 515 p.
- Shyr, J. J., H. T. Tsung, and P. L. Tsai. 1999. Effects of allylisothiocyanate treatment on the enzymatic browning characteristics of shredded cabbage (*Brassica oleracea* L. var. *capitata* L.). (In Chinese with English summary). J. Chinese Soc. Hort. Sci. 45(2): 144-151. c. a. Hort. Abstr. 70(5): 4028; 2000.
- Shyr, J. J., H. T. Tsung, and P. L. Tsai. 1999a. Factors affecting the enzymatic browning of shredded cabbage (*Brassica oleracea* L. var.

- Capitata Group). (In Chinese with English summary). *J. Chinese Soc. Hort. Sci.* 45(4): 327-336. c. a. *Hort. Abstr.* 70(6): 4975; 2000.
- Sims, W. L., H. Jobnson, R. F. Kasmire, V. E. Rubatzky, K. B. Tyler, and R. E. Voss. 1978. Home vegetable gardening. Div. Agric. Sci., Univ. Calif., Leaflet No. 2989. 42 p.
- Skapski, H. and E. B. Oyer. 1964. The influence of pretransplanting variables on the growth and development of cauliflower plants. *Proc. Amer. Soc. Hort. Sci.* 85: 374-385.
- Smittle, D. A., W. L. Dickens, and J. R. Stansell. 1994. Irrigation regimes affect cabbage water use and yield. *J. Amer. Soc. Hort. Sci.* 119(1): 20-23.
- Stanley, R., M. Brown, N. Poole, M. Pogerson, D. C. Sige, C. Knight, C. C. Ivin, H. A. S. Epton, and C. Leifert. 1994. Biocontrol of post-harvest fungal diseases on Dutch white cabbage by *Pseudomonas* and *Serratia* antagonists in storage trials. *Plant Pathology* 43(4): 605-611.
- Stevens, C., V. Khan, A. Y. Tang, and M. A. Wilson. 1988. The effect of soil solarization on earliness and yield of cabbage and broccoli. (Abstr). *HortScience* 23: 829.
- Stuiver, C. E. E., L. J. de Kok, and S. Westerman. 1997. Sulfur deficiency in *Brassica oleracea* L.: development, biochemical characterization, and sulfur/nitrogen interactions. *Russian Journal of Plant Physiology* 44(4): 505-513. c. a. *Hort. Abstr.* 68(1): 373; 1998.
- Subbarao, K. V. and J. C. Hubbard. 1996. Interactive effects of broccoli residue and temperature on *Verticillium dahliae* microsclerotia in soil and on wilt of cauliflower. *Phytopathology* 86(12): 1303-1310.
- Subbarao, K. V., J. C. Hubbard, and S. T. Koike. 1999. Evaluation of broccoli residue incorporation into field soil for verticillium wilt control in cauliflower. *Plant Dis.* 83: 124-129.
- Subbarao, G. V., R. M. Wheeler, G. W. Stutte, and L. H. Levine. 1999. How far can sodium substitute for potassium in red beet? *J. Plant Nutr.* 22(11): 1745-1761.

- Subbarao, G. V., R. M. Wheeler, G. W. Stutte, and L. H. Levine. 2000. Low potassium enhances sodium uptake in red-beet under moderate saline conditions. *J. Plant Nutr.* 23(10): 1449-1470.
- Sugiyama, N., M. Hayashi, and M. Uehara. 1999. Effect of water stress on oxalic acid concentrations in spinach leaves. *J. Jap. Soc. Hort. Sci.* 68(6): 1155-1157. c. a. *Hort. Abstr.* 70(4): 3199; 2000.
- Sun, H. and L. Z. Wang. 1998. Study on the physiology of hollowness in radish. (In Chinese with English summary). *Acta Horticulturae Sinica* 25(2): 170-174. c. a. *Hort. Abstr.* 68(12): 10510; 1998.
- Tákaacs-Hájos, M. 1999. Colour components of different table beet varieties. *International Journal of Horticultural Science* 5(3/4): 36-38.
- Takahashi, H., M. Kimura, H. Suge, and T. Saito. 1994. Interactions between vernalization and photoperiod on the flowering and bolting of different turnip varieties. *J. Jap. Soc. Hort. Sci.* 63(1): 99-108.
- Takahashi, E., K. Maejima, and M. Okazaki. 1997. Beneficial effects of sodium on the growth of soil-cultured leafy vegetables under different supply levels of potassium. (In Japanese with English summary). *Jap. J. Soil Sci. Plant Nutr.* 68(4): 363-368. c. a. *Hort. Abstr.* 68(5): 4043; 1998.
- Takebe, M., N. Sato, K. Ishi, and T. Yoneyama. 1996. Effect of slow-releasing nitrogen fertilizers on the contents of oxalic acid, ascorbic acid, sugars and nitrate in spinach (*Spinacia oleracea* L.). (In Japanese with English summary). *Jap. J. Soil Sci. Plant Nutr.* 67(2): 147-154. c. a. *Hort. Abstr.* 66(10): 8518; 1996.
- Takeda et al. 1999. Studies in heat tolerance of *Brassica* vegetables and legumes at the International Collaboration Research Section from 1992 to 1996. *JIRCAS Working Report No. 14: 17-29.* c. a. *Hort. Abstr.* 70(3): 2221; 2000.
- Takigawa, S. and G. Ishii. 2000. Accumulation and decomposition of S-methylmethionine in cabbage. *Acta Horticulturae* No. 517: 457-462.
- Talakar, N. S. 1996. Biological control of diamondback moth in Taiwan – a review. *Plant Protection Bulletin (Taipei)* 38(3): 167-189.
- Tessarioli Neto, J., R. A. Kluge, A. P. Jacomino, J. A. Scarpere Filho, and A. Y. Iwata. 1998. Storage of beetroots 'Early Wonder' in different

- kinds of package. (In Portuguese with English summary). *Horticultura Brasileira* 16(1): 7-10. c. a. Hort. Abstr. 69(3): 2086; 1999.
- Thakur, O. P., P. P. Sharma, and K. K. Singh. 1991. Effect of nitrogen and phosphorus with and without boron on curd yield and stalk rot incidence in cauliflower. *Vegetable Science* 18(2): 115-121. c. a. Hort. Abstr. 64(3): 1864; 1994.
- Thompson, H. C. and W. C. Kelly. 1957. *Vegetable crops*. McGraw-Hill Book Co., Inc., N. Y. 611p.
- Thompson, T. L., T. A. Doerge, and R. L. Godin. 2000a. Nitrogen and water interactions in subsurface drip-irrigated cauliflower: I. Plant response. *Soil Sci. Soc. Amer. J.* 64(1): 406-411.
- Thompson, T. L., T. A. Doerge, and R. E. Godin. 2000b. Nitrogen and water interaction in subsurface drip-irrigated cauliflower: II Agronomic, economic, and environmental outcomes. *Soil Sci. Soc. Amer. J.* 64(1): 412-418.
- Thorup-Kristensen, K. and R van den Boogaard. 1998. Temporal and spatial root development of cauliflower (*Brasica oleracea* L. var. *botrytis* L.). *Plant and Soil* 201(1): 37-47.
- Thomas, D. S., D. W. Turner, and S. C. Tan. 1992. Covering cauliflower curds during growth reduces floret flavonoids and improves quality. *New Zealand Journal of Crop and Horticultural Science* 20(2): 147-151.
- Tigchelaar, E. C. (ed.). 1980. New vegetable varieties list XXI. *HortScience* 15: 565-578.
- Tigchelaar, E. C. (ed.). 1986. New vegetable varieties list 22. *HortScience* 21: 195-212.
- Toscano, N. C. (comp.). 1979. Insect and nematode control recommendations for ecclery, cole crops, head lettuce, and spinach. Div. Agr. Sci., Univ. Calif. Leaflet 21141. 16 p.
- University of California. 1984. Insect identification handbook. Univ. Calif., Div. Agric. Nat. Res. Leaflet No. 4099.
- University of California. 1987. Integrated pest management of cole crops and lettuce. Div. Agric. Natural Resources. Pub. No. 3307. 112 p.
- Uno, Y., M. Kanechi, N. Inagaki, M. Sugimoto, and S. Maekawa. 1996. The

The evaluation of salt tolerance during germination and vegetative growth of asparagus, table beet and sea aster, J. Jap. Soc. Hort. Sci. 65(3): 579-585. c. a. Hort. Abst. 67(4): 2979.

USDA, United States Department of Agriculture. 1953. Plant Diseases: USDA Yearbook of Agriculture. USDA, Washington, D. C. 940 p.

Vandenberg, J. D., A. M. Shelton, W. T. Wilsey, and M. Ramos. 1998. Assessment of *Beauveria bassiana* sprays for control of diamondback moth (Lepidoptera: Plutellidae) on crucifers. Journal of Economic Entomology 91(3): 624-630.

Van Doorn, J. E., G. C. van der Kruk, G. J. van Holst, M. Schoofs, J. B. Broer, and J. J. M. de Nijs. 1999. Quantitative inheritance of the progoitrin and sinigrin content in Brussels sprouts. Euphytica 108: 41-52.

Velandia, J., R. P. Golindo, and C. A. de Moreno. 1998. Poultry manure evaluation in the control of *Plasmodiophora brassicae* in cabbage. Agronomia Colombiana 15(1): 1-6.

Voorrips, R. E. 1995. *Plasmodiophara brassicae*: aspects of pathogenesis and resistance in *Brassica oleracea*. Euphytica 83: 139-146.

Walker, J. C. 1969. Plant pathology. McGraw-Hill Book Co., N. Y. 819 p.

Wang, M. and I. L. Goldman. 1996. Phenotypic variation in free folic acid content among F<sub>1</sub> hybrids and open-pollinated cultivars of red beet. J. Amer. Soc. Hort. Sci. 121(6): 1040-1042.

Wang, M. and I. L. Goldman. 1997. Accumulation and distribution of free folic acid content in red beet (*Beta vulgaris* L.). Plant Foods for Human Nutrition 50(1): 1-8.

Wang, M. and I. L. Goldman. 1997a. Transgressive segregation and reciprocal effect for free folic acid content in a red beet (*Beta vulgaris* L.) population. Euphytica 96: 317-321.

Ware, G. W. and J. P. McCollum. 1980. Producing vegetable crops. (3<sup>rd</sup> ed.). The Interstate Printers & Publishers, Inc., Danville, Illinois. 607 p.

Watanabe, Y., F. Uchiyama, and K. Yoshida. 1994. compositional changes in spinach (*Spinacia oleracea* L.) grown in the summer and in the fall.

- (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 62(4): 889-895.
- Watt, B. K. and A. L. Merrill et al. 1963. Composition of foods. U. S. Dept. Agric, Agric. Handbook No. 8. 190 p.
- Watts, L. 1980. Flower and vegetable plant breeding. Grower Books, London. 182 p.
- Weaver, J. E. and W. E. Brumer. 1927. Root development of vegetable crops. McGraw-Hill Book Co., N. Y. 351 p.
- Wehner, T. C. (ed.). 1990. Vegetable cultivar descriptions for North America: List 24. HortScience 34(5): 763-806.
- Wehner, T. C. 1999. Vegetable cultivar descriptions for North America: List 25. HortScience 34(6): 957-1012.
- Welker, O. A. and S. Furuya. 1995. Influence of heat stress on growth and leaf epicuticular structure of cabbage. J. Agron. Crop Sci. 174(1): 53-62.
- Wheeler, T. R., R. H. Ellis, P. Hadley, and J. I. L. Morison 1995. Effect of CO<sub>2</sub>, temperature and their interaction on the growth, development and yield of cauliflower (*Brassica oleracea* L. *botrytis*). Scientia Horticulturac 60(3-4): 181-197.
- Winter, E. J. 1974. Water, soil and the plant. The English Language Book Soc., London. 141 p.
- Wojciechowska, R., M. Leja, A. Mareczek, and S. Rozek. 1999. The effect of mechanical damage on some nutritional constituents in cabbage as related to applied nitrogen fertilizers and short-term storage. Folia Horticulturac 11(2): 43-55.
- Wolfe, D. W., D. T. Topoleski, N. A. Gundersheim, and B. A. Ingall. 1995. Growth and yield sensitivity of four vegetable crops to soil compaction. J. Amer. Soc. Hort. Sci. 120(6): 956-963.
- Wurr, D. C. E. and J. R. Fellows. 1984. Cauliflower buttoning – the role of transplant size. J. Hort. Sci. 59: 419-429.
- Wurr, D. C. E. and J. R. Fellows. 1998. Leaf production and curd initiation of winter cauliflower in response to temperature. J. Hort. Sci. Biotech. 73(5): 691-697.

- Wurr, D. C. E. and J. R. Fellows. 2000. Temperature influences on the plant development of different maturity types of cauliflower. *Acta Horticulturae* No. 539: 69-74.
- Wurr, D. C. E., J. R. Fellows, and R. W. P. Hiron. 1990a. The influence of field environmental conditions on the growth and development of four cauliflower cultivars. *J. Hort. Sci.* 65(5): 565-572.
- Wurr, D. C. E., J. R. Fellows, R. A. Sutherland, and E. D. Elphinstone. 1990b. A model of cauliflower curd growth to predict when curds reach a specified size. *J. Hort. Sci.* 65(5): 555-564.
- Wurr, D. C. E., A. J. Hambidge, and G. P. Smith. 1996. Studies of the cause of blindness in brassicas. *J. Hort. Sci.* 71(3): 415-426.
- Xiao, C. L. and K. V. Subbarao. 1998. Relationship between *Verticillium dahliae* inoculum density and wilt incidence, severity, and growth of cauliflower. *Phytopathology* 88: 1108-1115.
- Xiao, C. L., K. V. Subbarao, K. F. Schulbach, and S. T. Koike. 1998. Effects of crop rotation and irrigation on *Verticillium dahliae* microsclerotia in soil and wilt in cauliflower. *Phytopathology* 88: 1046-1055.
- Yamaguchi, M. 1983. *World vegetables: principles, production and nutritive values*. Avi Pub. Co., Inc., Westport, Connecticut. 415 p.
- Yang, Y., K. S. Kim, and E. J. Anderson. 1997. Seed transmission of cucumber mosaic virus in spinach. *Phytopathology* 87: 924-931.
- Ziedan, M. I. (ed.). 1980. *Index of plant diseases in Egypt*. Institute of Plant Pathology, Agricultural Research Center, Cairo, Egypt. 95 p.