مصادر الكتاب

توفيق. محمد فؤاد (١٩٩٣). المكافحة البيولوجية للآفات الحشرية. وزارة الزراعة واستصلاح الأراضى – جمهورية مصر العربية – ٧٢٢ صفحة.

حسن، أحمد عبد المنعم (٢٠١٠). الممارسات الزراعية لمكافحة أمراض وآفات وحشائش الخضر: البدائل العلمية والعملية المتكاملة. الدار العربية للنشر والتوزيع – القاهرة – ٧٨٣ صفحة.

حسن، أحمد عبد المنعم (٢٠١٢). أصول الزراعة المحمية. الدار العربية للنشر والتوزيع – القاهرة – ٨٣٦ صفحة.

حماد، شاكر محمد، وأحمد لطفى عبد السلام (١٩٨٥). الحشرات الاقتصادية فى مصر والعالم العربى. دار المريخ للنشر – الرياض – ٥٥٥ صفحة.

وزارة الزراعة واستصلاح الأراضى – جمهورية مصر العربية (١٩٩٧). برنامج مكافحة الآفات الزراعية – القاهرة – ١٧٢ صفحة.

Abbasi, P. A., J. Al-Dahmani, F. Sahin, H. A. J. Hoitink, and S. A. Miller. 2002. Effect of compost amendments on disease severity and yield of tomato in conventional and organic production systems. Plant Dis. 86 (2): 156-161.

Abbasi, P. A., N. Soltani, D. A. Cuppels, and G. Lazarovits. 2002. Reduction of bacterial spot disease severity on tomato and pepper plant with foliar applications of ammonium lignosulfonate and potassium phosphate. Plant Dis. 86 (11): 1232-1236.

Abbasi, P. A. and G. Lazarovits. 2006a. Effect of soil application of AG3 phosphonate on the severity of clubroot of bok choy and cabbage caused by *Plasmodiophara brassicae*. Plant Dis. 90 (12): 1517-1522.

Abbasi, P. A. and G. Lazarovits. 2006b. Seed treatment with phosphonate (AG3) suppresses pythium damping-off of cucumber seedlings. Plant Disease 90 (4): 459-464.

Abd-allah, E. F. 2001. *Streptomyces plicatus* as a model biocontrol agent. Folia Microbiologica 46 (4): 309-314.

Abdeldaym, E. A. et al. 2014. Effects of several amendments on organic melon growth and production, *Meloidogyne incognita* population and soil properties. Sci. Hort. 180: 156-160.

Abdel-Gawad, A. A., A. M. El-Sayed, F. F. Shalaby, and M. R. Abo-El-Ghar. 1990. Natural enemies of *Bemisia tabaci* Genn. and their role on suppressing the populauon density of the pest. Agric. Res. Rev. 68 (1): 185-195.

Abdelghafar, N. Y. and W. M. Abdelsayed. 1997. Biological control of bacterial soft rot of potato by using fluorescent pseudomonads. Arab Univ. J. Agr. Sci. 5 (2): 419-431.

Abd El-Hafiz, M. 1999. Induction and isolation of more efficient yeast mutants for the control of powdery mildew on cucumber. Ann. Agric. Sci. (Cairo) 44 (1): 283-292.

Abdel Kader, M. M., N. S. El-Mougy, and S. M. Lashin. 2013. Biological and chemical resistance inducers approaches for controlling foliar diseases of some vegetables under protected cultivation system. J. Plant Pathol. Microbiol. 4 (9).

Abd-El-Kareem, F. 2009. Effect of acetic acid fumigation on soil-borne fungi and cucumber root rot disease under greenhouse conditions. Arch. Phytopathol. Plant Prot. 42 (3): 213-220.

Abdel-Momen, S. M., S. A. Omar, A. A. Hanafi, and T. M. Abdel-Rahman. 2000. Different sources of saponin affecting white rot disease in onion (*Allium cepa* L.) Bul. Fac. Agr., Cairo Univ. 51: 365-378.

Abdel-Rahim, M. F., M. M. Satour, K. Y. Mickhail, S. A. El-Eraki, A. Grinstein, A. Chen, and J. Katan. 1988. Effectiveness of soil solarization in furrow-irrigated Egyptian soils. Plant Dis. 72: 143-146.

Abdel-Razek, A. S. 2010. Field evaluation of bacterial symbionts of entomopathogenic nematodes for suppression of hairy rose beetle, *Tropinota squalida* Scop. (Coleoptera: Scarabaeidae) population on cauliflower in Egypt. Archives of Phytopathology and Plant Protection 43 (1): 18-25.

Abdel-Razik, A. A., A. M. Amein, A. M. El-Shabrawy, and M. H. Rushdi. 1988. Effect of certain cultural practices and fungicides on control of *Sclerotiun cepivorum* on winter onion. Egypt. J. Phytopathol. 20: 87-97.

Abeysinghe, S. 2009. Use of nonpathogenic *Fusarium oxysporum* and rhizobacteria for suppression of fusarium root and stem rot of *Cucumis sativus* caused by *Fusarium oxysporum* f. sp. *radicis-cucumerinum*. Arch. Phytopathol. Plant Prot. 42 (1): 73-82.

Abeysinghe, S. 2009. Efficacy of combined use of biocontrol agents on control of *Sclerotium rolfsii* and *Rhizoctionia solani* of *Capsicum annuum*. Arch. Phytopathol. Plant Prot. 42 (3): 221-227.

Abeysinghe, S. 2009. The effect of mode of application of *Bacillus subtilis* CA32r on control of *Sclorotium rolfsii* on *Capsicum annuum*. Arch. Phytopathol. Plant Prot. 42 (9): 835-846.

Abeysinghe, S. 2009. Induced systemic resistance (ISR) in bean (*Phaseolus vulgaris* L.) mediated by rhizonacteria against bean rust caused by *Uromyces appendiculatus* under greenhouse and field conditions. Archives of Phytopathology and Plant Protection 42 (11): 1079-1087.

Abo-Elyousr, K. A. M. and M. R. Asran. 2009. Antibacterial activity of certain plant extracts against bacterial wilt of tomato. Arch. Phytopathol. Plant Prot. 42 (6): 573-578.

Abo-Elyousr. K. A. M. and H. H. El-Hendawy. 2008. Intergration of *Pseudomonas fluorescens* and acibenzolar-S-methyl to control bacterial spot disease of tomato. Crop Protection 27 (7): 1118-1124.

Abo-Elyousr, K. A.M., M. A. A. Seleim, K. M. H. Abd-El-Moneem, and F. A. Saead. 2014. Integrated effect of *Glomus mosseae* and selected plant oils on the control of bacterial wilt disease of tomato. Crop Prot. 66: 67-71.

Abo-Foul, S., V. I. Raskin, A. Sztejnberg, and J. B. Marder. 1996. Disruption of chlorophyll organization and function in powdery mildew-diseased cucumber leaves and its control by the hyperparasite *Ampelomyces quisqualis*. Phytopathology 86: 195- 199.

Afek, U., N. Aharoni, and S. Carmeli. 1995. Increasing celery resistance to pathogens during storage and reducing high-risk psoralen concentration by treatment with GA_3. J. Amer. Soc. Hort. Sci. 120 (4): 562-565.

Ahmad, F., M. A. Rather, and M. A. Siddiqui. 2010. Influence of organic additives on the incidence of root-knot nematode, *Meloidogyne javanica* in roots of tomato plants. Arch. Phytopathol. Plant Prot. 43 (2): 168-173.

Ahmad, A., S. Shafique, and S. Shafique. 2014. Intracellular interactions involved in induced systemic resistance in tomato. Sci. Hort. 176: 127-133.

Ahmed, A. H. M. and H. T. Tribe. 1977. Biological control of white rot of onion (*Sclerotium cepivorum*) by *Coniothyrium minitans*. Plant Pathol. 26 (2): 75-78.

Ahmed, A. S., C. Pérez-Sánchez, C. Egea, and M. E. Candela. 1999. Evaluation of *Trichoderma harzianum* for controlling root rot caused by *Phytophthora capsici* in pepper plants. Plant Pathol. 48 (1): 58-65.

Ahmed, A. S., C. P. Sánchez and M. E. Candela. 2000. Evaluation of induction of systemic resistance in pepper plants (*Capsicum annuum*) to *Phytophthora capsici* using *Trichoderma harzianum* and its relation with capsidiol accumulation. Egypt. J. Plant Pathol. 106: 817-824.

Ahoonmanesh, A. and T. A. Shalla. 1981. Feasibiligy of cross-protection for control of tomato mosaic virus in fresh market field-grown tomato. Plant Dis. 65: 56-58.

Albert, R. and H. Schneller. 1994. *Eretmocerus californicus* - a further enemy of whiteflies. (in German). Gartenbau Magazin 3 (5): 44-45. (c.a. Hort. Abstr. 66: 3080, 1996).

Aleandri, M. P, R. Reda, V. Tagliavento, P. Magro, and G. Chilosi. 2010. Effect of chemical resistance inducers on the control of *Monosporascus* root rot and vine decline of melon. Phytopathol. Mediterr. 49: 18-26.

Al-Mawaali, Q.S., A. M. Al-Sadi, A. J. Khan, H. D. Al-Hasani, and M. L. Deadman. 2012. Response of cucurbit rootstocks to *Pythium aphanidermatum*. Crop Prot. 42: 64-68.

Al-Musa, A. 1982. Incidence, economic importance, and control of tomato yellow leaf curl in Jordan. Plant Disease 66: 561-563.

Alvarez, M. A., S. Gagné and H. Antuon. 1995. Effect of compost on rhizosphere microflora of the tomato and on the incidence of plant growth - evaluation of cucumber growth enhanced by rhizosphere microorganisms. Korean J. Plant Pathol. 11 (4): 292-297.

An, Y., S. Kang, K.D. Kim, B. K. Hwang, and Y. Jeun. 2010. Enhanced defense responses of tomato plants against late blight pathogen *Phytophthora infestans* by pre-inoculation with rhizobacteria. Crop Prot. 29: 1406-1412.

Anad, T. et al. 2009. Chemical and biological treatments for enhancing resistance in chilli against *Colletotrichum capsici* and *Leveillula taurica*. Arch. Phytopathol. Plant Prot. 42 (6): 533-551.

Anandhakumar, J. and W. Zeller. 2008. Biological control of red stele (*Phytophthora fragariae* var. *fragariae*) and crown rot (*P. cactorum*) disease of strawberry with rhizobacteria. J. Plant Dis. Prot. 115 (2): 49-56.

Andreu, A. B., M. G. Guevara, E. A. Wolski, G. R. Daleo, and D. O. Caldiz. 2006. Enhancement of natural disease resistance in potatoes by chemicals. Pest Mang. Sci. 62 (2): 162-170.

Anjaiah, V. 2004. Biological control mechanisms of fluorescent *Pseudomonas* species involved in control of root diseases of vegetables/fruits, pp. 453-500. In: K. G. Mukerji (ed.) Fruit and vegetable diseases. Kluwer Academic Publishers, Dordrecht. The Netherlands.

Antignus, Y. 2000. Manipulation of wavelength-dependent behaviour of insects: an IPM tool to impede insects and restrict epidemics of insect-borne viruses. Virus Res. 7 (1-2): 213-220.

Antignus, Y. et al. 1996. The effects of UV-blocking greenhouse covers on insects and insect-borne virus diseases. Plasticulture No. 112: 15-20.

Antonelli, M., R. Reda, M. P. Aleandri, L. Varvaro, and G. Chilosi. 2013. Plant growth-promoting bacteria from solarized soil with the ability to protect melon against root rot and vine decline caused by *Monosporascus cannonballus*. J. Phytopathol. 161:485-496.

Archbold, D. D., T.R. Hamilton-Kemp, B. E. Langlois, and M.M. Barth. 1997. Natural volatile compounds control *Botrytis* on strawberry fruit. Acta Hort. No. 439 (II): 923-930.

Arie, 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 Pathol. 47 (6): 743-748.

Arul, J., J. Mercier, M. T. Charles, M. Baka, and R. Maharaj. 2001. Photochemical treatment for control of postharvest diseases in horticultural crops, pp. 146-161. In: C. Vincent, B. Panneton, and F. Fleurat-Lessard (eds). Physical control methods in plant protection. Springer-Verlag, Berlin.

Arseneault, T., C. Goyer, and M. Filion. 2013. Phenazine production by *Pseudomonas* sp. LBUM223 contributes to the biological control of potato common scab. Phytopathology 103 (10): 995-1000.

Ashley, R. A. 2008. Having problems controlling vegetable crop diseases – try rotation. Integrated Pest Management. University of Connecticut. The Internet.

Asirifi, K. N., W. C. Morgan, and D. G. Parbery. 1994. Suppression of Sclerotinia soft rot of lettuce with organic soil amendments. Aust J. Exp. Agric. 34 (1): 131-136.

Askary, H., Y. Carriere, R. R. Belanger, and J. Brodeur. 1998. Pathogenicity of the fungus *Verticillium lecanii* to aphids and powdery mildew. Biocontrol Science and Technology 8 (1): 23-32.

Atkins, S. D. et al. 2003. Development of a new management strategy for the control of root-knot nematodes (*Meloidogyne* spp.) in organic vegetable production. Pest Mang. Sci. 59 (2): 183-189.

Autrique, A. and M. J. Potts. 1987. The influence of mixed cropping on the control of potato bacterial wilt (*Pseudomonas solanacearum*). Ann. Appl. Biol. 111 (1): 125-133.

Averre, C. W. and G. V. Gooding, 2000. Virus diseases of greenhouse tomato and their management. North Carolina State University, Plant Pathology Extension. Vegetable Disease Information Note 15. The Internet.

Averre, C. W., J. B. Ristaino, and J. G. Shultheis. 2000. Disease management for vegetables and herbs in greenhouse using low input sustainable methods. Plant Pathology Extension. North Carolina State University. The Internet.

Avikainen, H., H. Koponen, and R. Tahvonen. 1993. The effect of disinfectants on fungal diseases of cucumber. Agricultural Science in Finland 2 (2): 179-188. (c.a. Hort. Abstr. 65: 338, 1995).

Avilla, C., J. L. Collar, M. Duque, P. Pérez, and A. Fereres. 1997. Impact of floating row covers on bell pepper yield and virus incidence. HortScience 32 (5): 882-883.

Awang, N. A., M. R. Islam, M. R. Ismail, B. Zulkrami, and D. Omar. 2013. Effectiveness of different elicitors in inducing resistance in chilli (*Capsicum annuum* L.) against pathogen infection. Sci. Hort. 164: 461-465.

Aysan, E. and S. Demir. 2009. Using arbuscular mycorrhizal fungi and *Rhizobium leguminosarum* biovar *phaseoli* against *Sclerotinia sclerotiorum* (Lib) de Bary in the common bean (*Phaseolus vulgaris* L.). Plant Pathol. J. 8 (2): 74-78.

Badawy, M. E. I. and E. I. Rabea. 2009. Potential of the biopolymer chitosan with different molecular weights to control postharvest gray mold of tomato fruit. Postharvest Biol. Technol. 51 (1): 110-117.

Balestra, G. M., A. Hey Dari, D. Ceccarelli, E. Ovidi, and A. Quattrucci. 2009. Antibacterial effect of *Allum sativum* and *Ficus carica* extracts on tomato bacterial pathogens. Crop Protection 28 (10): 807-811.

Balogh, B. et al. 2003. Improved efficacy of newly formulated bacteriophages for management of bacterial spot on tomato. Plant Dis. 87 (8): 949-954.

Baptista, F. J., B. J. Bailey, and J. F. Meneses. 2008. Comparison of humidiy conditions in unheated tomato greenhouse with different natural ventilation: yield, fruit quality and leaf chemical composition of eggplant in greenhouse cultivation. Folia Hort. 20 (2): 3-15.

Barilli, E, E. Prats, and D. Rubiales. 2010. Benzothiadiazole and BABA improve resistance to *Uromyces pisi* (Pers.) Wint. In *Pisum sativum* L. with an enhancement of enzymatic activities and total phenolic content. Eur. J. Plant Pathol. 128: 483-493.

Barrett, C. E. and X. Zhao. 2012. Grafting for root-knot nematode control and yield improvement in organic heirloom tomato production. HortScience 47 (5): 614-620.

Bashan, Y. 1997. Alternative strategies for controlling plant diseases caused by *Pseudomonas syringae*, pp. 575-583. In: K. Rudolph et al. (eds). *Pseudomonas syringae* pathovars and related pathogens. Development in plant pothology, Vol. 9. Kluwer Academic Publishers. The Internet.

Bashan, Y, and L. E. de Bashan. 2002. Protection of tomato seedlings against infection by *Pseudomonas syringae* pv. *tomato* by using the plant growth-promoting bacterium *Azospirillum brasilense*. Applied and Environmental Microbiology 68 (6): 2637-2643.

Batten, J. S., K. B. G. Scholthof, B. R. Lovic, M. E. Miller, and R. D. Martyn. 2000. Potential for biocontrol of Monosporascus root rot/vine decline under greenhouse conditions using hypovirulent isolates of *Monosporascus cannonballus*. Europ. J. Plant Pathol. 106: 639-649.

Bautista-Banos, S. et al. 2006. Chitosan as a potential natural compound to control pre and postharvest diseases of horticultural commodities. Crop Prot. 25 (2): 108-118.

Baysal, O., Y. Z. Gursoy, H. Ornek, B. Cetinel, and J. A. Teixira da Silva. 2007. Enhanced systemic resistance to bacterial speck disease caused by *Pseudomonas syringae* pv. *tomato* by DL-β-aminobutyric acid under salt stress. Physiologia Plantarum 129 (3): 493-506.

Becker, R. and S. A. Miller. 2009. Manging downy mildew in organic and conventional vine crops. Fact Sheet HYG-3127-09, Agricultural and Natura Resources, the Ohio State University Extension. The Internet. 4 p.

Beckers, G. J. M. and U. Conrath. 2007. Priming for stress resitance: from the lab to the field. Current Opinion in Plant Biology 10 (4): 425-431.

Bécot, S., E. Pajot, D. le Corre, C. Monot, and D. Silué. 2000. Phytogard (K_2HPO_3) induces resistance in cauliflower to downy mildew of crucifers. Crop Prot. 19 (6): 417-425.

Belbahri, L., G. Calmin, F. Lefort, G. Dennler, and A. Wigger. 2007. Assessing efficacy of ultra-filtration and bio-filtration systems used in soilles production through molecular detection of *Pythium oligandrum* and *Bacillus subtilis* as model organisms. Acta Hort. 747: 97-105.

Bell, A. A., J. C. Hubbard, L. Lui, R. M. Davis, and K. V. Subbarao. 1998 Effects of chitin and chitosan on the incidence and severity of Fusarium yellows in celery. Plant Dis. 82: 322-328.

Beltrán, R., A. Vicent, J. Garcia-Jiménez, and J. Armengol. 2008. Comparative epidemiology of Monosporascus root rot and vine decline in muskmelon, watermelon, and grafted watermelon crops. Plant Dis. 92 (1): 158-163.

Bengtsson, T. et al. 2014. Activation of defense responses to *Phytophthora infestans* in potato by BABA. Plant Pathol. 63 (1): 193-202.

Benhamou, N. and R. R. Bélanger. 1998. Benzothiadiazole-mediated induced resistance to *Fusarium oxysporum* f. sp. *radicis-lycopersici* in tomato. Plant Physiology 118 (4): 1203-1212.

Benhamou, N., P. J. Lafontaine, and M. Nicole. 1994. Induction of systemic resistance to Fusarium crown and root rot in tomato plants by seed treatment with chitosan. Phytophtology 84 (12): 1432-1444.

Ben-Yephet, Y. and E. B. Nelson. 1999. Differential suppression of damping-off caused by *Pythium aphanidermatum*, *P. irregulare*, and *P. myriotylum* in composts at different temperatures. Plant Dis. 83: 356-360.

Berbegal, M., J. Garcia-Jiménez, and J. Armengol. 2008. Effect of cauliflower amendments and soil solarization on verticillium wilt control in artichoke. Plant Dis. 92 (4): 595-600.

Bettiol, W. 1999. Effectiveness of cow's milk against zucchini squash powdery mildw (*Sphaerotheca fluliginea*) in greenhouse conditions. Crop Prot. 18: 489-492.

Bigirimana, J. and M. Hofte. 2002. Induction of systemic resistance to *Colletotrichum lindemuthianum* in bean by a benzothiadiazole derivative and rhizobacteria. Phytoparasitica 30 (2): 159-168.

Bigirimana, J., G. de Meyer. J. Poppe, Y. Elad, and M. Hofte. 1997. Induction of systemic resistance on bean (*Phaseolus vulgaris*) by *Trichoderma harzianum*. Mededelingen-Faculteit Landbouwkundige en Toegepaste Biologische Wetenschappen. Univesiteit Gent 63 (3b): 1001-1007. (c.a. Rev. Plant Pathol. 77: 6537; 1998).

Bokshi, A. I., S. C. Morris, R. M. McConchie, and B. J. Deverall. 2006. Preharvest application of 2,6-dichloroisonicotinic acid, β-aminobutyric acid or benzothiadiazole to control post-harvest storage diseases of melons by inducing systemic acquired resistance (SAR). J. Hort. Sci. Biotechnol. 81 (4): 700-706.

Bokshi, A. I., S. C. Morris, R. McConchie. 2007. Environmentally-safe control of postharvest diseases of melons (*Cucumis melo*) by integrating heat treatment, safe chemicals, and systemic acquired resistance. N. Z. J. Crop Hort. Sci. 35: 179-186.

Bokshi, A. I., J. Jobling, and R. McConchie. 2008. A single application of Milsana followed by Bion assists in the control of powdery mildew in cucumber and helps overcome yield losses. J. Hort. Sci. Biotechnol. 83 (6): 701-706.

Bosland, P. W. and E. J. Votava. 2000. Peppers: vegetable and spice capsicums. CABI Publishing, Wallingford, UK. 358 p.

Brown, S. L. and E. Brown. 1992. Effect of plastic mulch color and insecticides on thrips populations and damage to tomato. HortTechonolgy 2 (2): 208-210.

Boucher, T. J. 2007. Perimeter trop cropping for cole crops. University of Connecticut. Integrated Post Management. The Internet. 4 p.

Boyhan, G. E., J. E. Brown, C. Channel-Butcher, and V. K. Perdue. 2000. Evaluation of virus resistant squash and interaction with reflective and nonreflective mulches. HortTechnology 10 (3): 574-580.

Brust, G. E. 2000. Reflective and black mulch increase yield in pumpkins under virus disease pressure. J. Eco. Entomol. 93 (3): 828-833.

Brust, G., D. S. Egel, and E. T. Maynaed. 2003. Organic vegetable production. Purdue University, Cooperative Extension Service. The Internet. 20 p.

Budnik, K., M. D. Laing, and J. V. da Graca. 1996. Reduction of yield losses in pepper crops caused by potato virus Y in KwaZulu-Natal, South Africa, using plastic mulch and yellow sticky traps. Phytoparasitica 24 (2): 119-124.

Buller, S, D. Inglis, and C. Miles. 2013. Plant growth, fruit yield and quality, and tolerance to verticillium wilt of grafted watermelon and tomato in field production in the Pacific Northwest. HortScience 48 (8): 1003-1009.

Buonaurio, R., L. Scarponi, M. Ferrara, P. Sidoti, and A. Bertona. 2002. Induction of systemic acquired resitance in pepper plants by acibenzolar-S-methyl against bacterial spot disease. Europ. J. Plant Pathol. 108 (1): 41-49.

Burkhead, K. D., D. A. Schisler, and P. J. Slininger. 1994. Pyrrolnitrin production by biological control agent *Pseudomonas cepacia* B37w in culture and in colonized wounds of potatoes. Applied and Environmental Microbiology 60 (6): 2031-2039.

Buyanovsky, G., J. Gale and N. Degani. 1981. Ultra-violet radiation for the inactivation of microorganisms in hydroponics. Plant and Soil 60: 131-136.

Buysens, S., M. Höfte, and J. Poppe. 1993. Control of *Pythium* spp. in nutrient film technique systems with fluorescent pseudonads. Mededelingen van de Faculteit Landbouwwetenschappen Universiteit Gent 58 (3b). 1279-1286. c. a. Hort Abstr. 65: 2188; 1995.

Caccioni, D. R. L. and M. Guizzardi. 1994. Inhibition of germination and growth of fruit and vegetable postharvest pathogenic fungi by essential oil components. J. Essential Oil Res. 6 (2): 173-179.

Cai, Z., R. Yang, H. Xiao, X. Qin, and L. Si. 2015. Effect of preharvest application of *Hanseniaspora uvarum* on postharvest diseases in strawberries. Postharvest Biol. Technol. 100: 52-58.

Caldwell, J. S. and P. Clarke. 1999. Repulsion of cucumber beetles in cucumber and squash using aluminum-coated plastic mulch. HortTechnology 9 (2): 247-250.

Caldwell, B., E. Sideman, A. Seaman, A. Shelton, and C. Smart. 2013. Resource guide for organic insect and disease management. New York State Agricultural Experiment Station, Geneva, N. Y. 203 p.

Campiglia, E., R. Mancinelli, E. Radicetti, and F. Caporali. 2010. Effect of cover crops and mulches on weed control and nitrogen fertilization in tomato (*Lycopersicon esculentum* Mill.). Crop Protection 29 (4): 354-363.

Cao, Y. et al. 2014. Potenial use of anaerobically digested manure slurry to suppress Phytophthora root rot of chilli pepper. Sci. Hort. 168: 124-131.

Carrión, G., A. Romero, and V. Rico-Gray. 1999. Use of *Verticillium lecanii* as biocontrol agent against bean rust (*Uromyces appendiculatus*). Fitopatologia 34 (4): 214-219.

Cavalcanti, F. R., M. L. V. Resende, C. P. S. Carvalho, J. A. G. Silveira, and J. T. A. Oliveira. 2007. An aqueous suspension of *Crinipellis perniciosa* mycelium activates tomato defence responses against *Xanthomonas vesicatoria*. Crop Prot. 26 (5): 729-738.

Cavoski, I. et al. 2012. *Melia azedarach* controls *Meloidogyne incognita* and triggers plant defense mechanisms on cucumber. Crop Protection 35: 85-90.

Chalfant, R. B., C. A. Jaworski, A. W. Johnson, and D. R. Summer. 1977. Reflective film mulches on watermelon mosaic virus, insects, nematodes, soil-borne fungi, and yield of yellow summer squash. J. Amer. Soc. Hort. Sci. 102 (1): 11-15.

Chambers, R. J., S. Long, and N. L. Helyer. 1993. Effectiveness of *Orius laevigatus* and water retention and tomato growth in a soilless medium. HortScience 28 (10): 1005-1007.

Chamorro, M. et al. 2015. Evaluation of biosolarization for the control of charcoal rot disease (*Macrophomina phaseolina*) in strawberry. Crop Prot. 67: 279-286.

Chandel, S., E. J. Allan, and S. Woodward. 2009. Biological control of *Fusarium oxysporum* f. sp. *lycopersici* on tomato by *Brevibacillus brevis*. J. Phytopathol. 158 (7-8): 470-478.

Chao, J. Y., B. S. Seo, and S. J. Chung. 1997. Screening and isolation of effective antagonistic rhizobacteria in hydroponics. (In Korean with English summary). J. Korean Soc. Hort. Sci. 38 (6): 659-665. c. a. Rev. Plant Pathol. 77: Abstr 4002; 1998.

Chardonnet, C. and B. Doneche. 1995. Influence of calcium pretreatment on pectic substance evolution in cucumber fruit (*Cucumis sativus*) during *Botrytis cinerea* infection. Phytoparasitica 23 (4): 335-344.

Chen, Y. and G. Dai. 2012. Antifungal activity of plant extracts against *Colletotrichum lagenarium*, the causal agent of anthracnose in cucumber. J. Sci. Food Agr. 92 (9): 1937-1943.

Chen, M. H. and E. B. Nelson. 2008. Seed-colonizing microbes from municipal biosolids compost suppress *Pythium ultimum* damping-off on different plant species. Phytopathology 98 (9): 1012-1018.

Chen, C. Q., R. R. Bélanger, N. Benhamou, and T. C. Paulitz. 1998. Induced systemic resistance (ISR) by *Pseudomonas* spp. impairs pre-and post-infection development of *Pythium aphanidermatum* on cucumber roots. Europ. J. Plant Pathol. 104 (9): 877-886.

Chen, L. H. et al. 2012. Application of *Trichoderma harzianum* SQR- T037 bio-organic fertiliser significantly controls fusarium wilt and affects the microbial communities of continuously cropped soil of cucumber. J. Soi. Food Agr. 92: 2465-2470.

Chen, J. P. et al. 2014. Combination effect of chitosan and methyl jasmonate on controlling *Alternaria alternata* and enhancing activity of cherry tomato fruit defense mechanisms. Crop Prot. 56: 31-36.

Cheah, L. H., B. B. C. Page, and R. Shepherd. 1997. Chitosan coating for inhibition of *Sclerotinia* rot of carrots. New Zealand J. Crop Hort. Sci. 25 (1): 89-92.

Chellemi, D. O., S. M. Olson, and D. J. Mitchell. 1994a. Effects of soil solarization and fumigation on survival of soilborne pathogens of tomato in northern Florida. Plant Disease 78 (12): 1167-1172.

Chellemi, D. O., S. M. Olson, J. W. Scott. D. J. Mitchell, and R. McSorley. 1994b. Reduction of phytoparasitic nematodes on tomato by soil solarization and genotype. Journal of Nematology 25 (4 Supp): 800-805.

Chen, C. Q., R. R. Bélanger, N. Benhamou, and T. C. Paulitz. 1998. Induced systemic resistance (ISR) by *Pseudomonas* spp. impairs pre- and post-infetion development of *Pythium aphanidermatum* on cucumber roots. Europ. J. Plant Pathol. 104 (9): 877-886.

Chen, C. Q., R. R. Bélanger, N. Benhamou, and T. C. Paulitz. 1999. Role of salicylic acid in systemic resistance induced by *Pseudomonas* spp. against *Pythium aphandermatum* in cucumber roots. Europ. J. Plant Pathol. 105 (5): 477-486.

Chen, C. Q., R. R. Bélanger, N. Benhamou, and T. C. Paulitz. 2000. Defense enzymes in cucumber roots by treatment with plant growth-promoting rhizobacteria (PGPR) and *Pythium aphanidermatum*. Physioloical and and Molecular Plant Pathology 56 (1): 13-23.

Cherif, M. and R. R. Bélanger. 1992. Use of potassium silicate amendments in recirculationg nutrient solutions to suppress *Pythium ultimum* on long English cucumber. Plant Disease 76 : 1008-1011.

Chérif, M., J. G. Menzies, D. L. Ehret, C. Bogdanoff, and R. R. Bélanger. 1994. Yield of cucumber infected with *Pythium aphanidermatum* when grown with soluble silicon. HortScience 29 (8): 896-897.

Chiasson, H., C. Vincent, and D. de Oliveira. 1997. Effect of an insect vacuum device on strawberry pollinators. Acta Horticulture No. 437: 373-377.

Chin-A-Woeng, T. F. C., G. V. Bloemberg, I. H. M. Mulders, L. C. Dekkers, and B. J. J. Lugtenberg 2001. Root colonization by phenazine-1-carboxamide-producing bacterium *Pseudomonas chlororaphis* PCL1391 is essential for biocontrol of tomato foot and root rot. Molecular Plant Microbe Interactions 13 (12): 1340-1345.

Chitrampalam, P., P. J. Figuli, M. E. Matheron, K. V. Subbarao, and B. M. Pryor. 2008. Biocontrol of lettuce drop caused by *Sclerotinia sclerotiorum* and *S. minor* in desert agroecosystem. Plant Dis. 92 (12): 1625-1634.

Choi, H. W. and B. K. Hwang. 2011. Systemic acquired resistance of pepper to microbial pathogens. J. Phytophol. 159: 393-400.

Cline, G. R., J. D. Sedlacek, S. L. Hillman, S. K. Parker, and A. F. Silvernail. 2008. Organic management of cucumber beetles in watermelon and muskmelon production. HortTechnology 18: 436-444.

Cohen, Y. 1994. Local and systemic control of *Phytophthora infestans* in tomato plants by DL-3-amino-n-butanoic acids. Phytopathology 84 (1): 55-59.

Cohen, Y. R. 2002. β-aminobutyric acid-induced resistance against plant phathogens. Plant Disease 86 (5): 448-457.

Cohen, S. and V. Melamed-Madjar. 1978. Preventian by soil mulching of the spread of tomato yellow leaf curl virus transmitted by *Bemisia tabaci* (Gennadius) (Homoptera: Aleyrodidae) in Israel. Bull. Ent Res. Israel 68: 465-470.

Cohen, Y. and U. Gisi. 1994. Systemic translocation of ^{14}C-DL-3-aminobutyric acid in relation to induced resistance against *Phytophthora infestans*. Physiological and Molecular Plant Pathology 45 (6): 441-456.

Cohen, S., Melamed-Madjar, and J, Hameiri. 1974. Prevention of the spread of tomato yellow leaf curl virus transmitted by *Bemisia tabaci* (Gennadius) (Homoptera: Aleyrodidae) in Israel. Bul. Ent. Res. Israel 64: 193-197.

Cohen, R., D. Shteinberg, and M. Edelstein. 1996. Suppression of powdery mildew (*Sphaerotheca fuliginea*) in cucumber by the detergent Zohar LQ-215. European Journal of Plant Pathology 102 (1): 69-75.

Cohen, Y., A. E. Rubin, and M. Vaknin. 2011. Post infection application of DL-3-amino-butyric acid (BABA) induces multiple forms of resistance against *Bremia lactucae* in lettuce. Eur. J. Plant Pothol. 130: 13-17.

Cohen, R., N. Omari, A. Porat, and M. Edelstein. 2012. Management of *Macrophomina* wilt in melons using grafting or fungicide soil application: pathological, horticultural and economical aspects. Crop Protection 35: 58-63.

Cohen, R., J. Tyutyunik, E. Fallik, Y. Oka, Y. Tadmor, M. Edelstein. 2014. Phytopathological evaluation of exotic watermelon germplasm as a basis for rootstock breeding. Sci. Hort. 165: 203-210.

Collange, B., M. Navarrete, G. Peyre, T. Mateille, and M. Tchamitchian. 2011. Root-knot nematode (*Meloidogyne*) management in vegetable crop production: the challenge of an agronomic system analysis. Crop Prot. 30: 1251-1262.

Collina, M. 1996. Natural Products against powdery mildew. (In Italian). Colture Protette 25 (9): 39-42, c. a. Hort. Abstr. 67 (5): 4025; 1977.

Collins, W. L., and M. H. Jensen. 1983. Hydroponics: a 1983. technology overview. The environmental Research Laboratory, Univ. Ariz., Tucson. 199 p.

Compant, S., B. Duffy, J. Nowak, C. Clément, and E. A. Barka. (2005). Use of plant growth-promoting bacteria for biocontrol of plant diseases: principles, mechanisms of action, and future prospects. Appl. Env. Microbiol. 71 (9): 4951-4959.

Conti, G. A., A. Pianezzola, A. Arnoldi, G. Violini, and D. Maffi. 1996. Possible involvement of salicylic acid in systemic acquired resistance of *Cucumis sativus* against *Sphaerotheca fuliginea*. Europen Journal of Plant Pathology 102 (6): 537-544.

Conway, K. E., B. D. McCraw. J. E. Motes, and J. L. Sherwood. 1989. Evaluations of mulches and row covers to delay virus diseases and their effects on yield of yellow squash. Appl. Agric. Res., N. Y. pp. 201-207.

Conway, W. S., C. E. Sams, and A. Kelman. 1994. Enhancing the natural resistance of plant tissues to postharvest diseases through calcium applications. HortScience 29 (7): 751-754.

Cooke, L. and G. Little. 2002. The effect of foliar application of phosphonate formulations on the susceptibility of potato tubers to late blight. Pest Management Science 58 (1): 17-25.

Cooper, A. 1982. Nutrient film technique. The English Language Book Society, London, 185 p.

Cornell University. 1996. Resource guide for organic insect and disease management. Crop management practices. Cucurbit crops. The Internet.

Coskuntuna, A. and N. Ozer. 2008. Biological control of onion basal rot disease using *Trichoderma harzianum* and induction of antifungal compounds in onion set following seed treatment. Crop Prot. 27: 330-336.

Costa, H. S., D. E. Ullman, M. W. Johnson, and B. E. Tabashnik. 1993a. Antibiotic oxytetracylcline interferes with *Bemisia tabaci* (Homoptera: Aleyrodidae) oviposition, development, and ability to induce squash silverleaf. Annals of the Entomological Society of America 86 (6): 740-748. (c. a. Rev. Plant Pathol. 1995, 74: 389).

Costa, H. S., K. L. Robb, and C. A. Wilen. 2001. Increased persistence of *Beauveria bassiana* spore viabiligy under high ultraviolet-blocking greenhouse plastic. HortScience 36 (6): 1082-1084.

Costa, H. S., J. Newman, and K. L. Robb. 2003. Ultraviolet-blocking greenhouse plastic films for mangagement of insect pests. HortScience 38 (3): 465.

Coqueiro, D. S. O., M. Maraschin, and R. M. di Piero. 2011. Chitosan reduces bacterial spot severity and acts in phenylpropanoid metabolism in tomato plants. J. Phytopathol. 159: 488-494.

Curlango-Rivera, G. et al. 2013. Measuring root disease suppression in response to compost water extract. Phytopathology 103 (3): 255-260.

Coventry, E., R. Noble, A. Mead, and J. M. Whipps. 2002. Control of *Allium* white rot (*Sclerotium cepirorum*) with composted onion waste. Soil Biol. Biochem. 34 (7): 1037-1045.

Coventry, E., R. Noble, A Mead, F. R. Marin, J. A. Perez, and J M. Whipps. 2006. *Allium* white rot suppression with composts and *Trichoderma viride* in relation to sclerotia viability. Phytopathology 96 (9): 1009-1020.

Csizinsky, A. A., D. J. Schuster, and J. B. Kring. 1995. Color mulches influence yield and insect pest populations in tomatoes. J. Amer. Soc. Hort. Sci. 120 (5): 778-784.

Csizinszky, A. A., D. J. Schuster, and J. B. Kring. 1997. Evaluation of color mulches and oil sprays for yield and for the control of silver leaf whitefly *Bemisia argentifolii* (Bellows and Perring) on tomatoes. Crop Protection 16 (5): 475-481.

Daayf, F., A. Schmitt, and R. R. Bélanger. 1995. The effects of plant extracts of *Reynoutria sachalinensis* on powdery mildew development and leaf physiology of long English cucumber. Plant Disease 79 (6): 577-580.

Daayf, F., A. Schmitt, and R. R. Bélanger. 1997. Evidence of phytoalexins in cucumber leaves infected with powdery mildew following treatment with leaf extract of *Reynoutria sachalinensis*. Plant Physiology 113 (3): 719-727.

Daayf, F., M. Ongena, R. Boulanger, I. El-Hadrami, and R. R. Bélanger. 2000. Induction of phenolic compounds in two cultivars of cucumber by treatment of healthy and powdery mildew-infected plant with extracts of *Reynoutria sachalinensis*. J. Chem. Eco. 26 (7): 1579-1593.

Daayf, F., L. Adam, and W. G. D. Fernando. 2003. Comparitive screening of bacteria for biological control of potato late blight (strain US-8), using in vitro, detached-leaves, and whole-plant testing systems. Canad. J. Plant Pathol. 25 (3): 276-284.

D'aes, J. et al. 2011. Biological control of Rhizoctonia root rot on bean by phenazine- and cyclic lipopetide-producing *Pseudomonas* CMR12a. Phytopathology 101 (8): 996-1004.

Dallagnol, L. J., F. A. Rodrigues, F. A. O. Tanaka, L. Amorim, and L. E. A. Camargo. 2012. Effect of potassium silicate on epidemic components of powdery mildew on melon. Plant Pathol. 61: 323-330.

Da Rocha, A. B. and R. Hammerschmidt. 2005. History and perspectives on the use of disease resistance inducers in horticultural crops. HortTechnology 15 (3): 518-529.

Davis, J. R., J. C. Stark, L. H. Sorensen, and A. T. Schneider. 1994. Intearactive effects of nitrogen and phosphorus on Verticillum wilt of Russet Burbank potato. Amer. Potato. J. 71 (7): 467-481.

Davis, R. M., J. J. Hao, M. K. Romberg. J. J. Nunez, and R. F. Smith. 2007. Efficacy of germination stimulants of sclerotia of *Sclerotium cepivorum* for management of white rot of garlic. Plant Disease 91 (2): 204-208.

Davis, A. R. et al. 2008. Cucurbit grafting. Critical Reviews in Plant Sciences 27 (1): 50-74.

Davis, J. R. et al. 2010. Ecological relationships of verticillium wilt suppression of potato by green manures. Amer. J. Potato Res. 87 (4): 315-326.

Dawar, S., M. Tariq, and M. J. Zaki. 2008. Application of *Bacillus* species in control of *Meloidogyne javanica* (Treub) Chitwood on cowpea and mash bean. Pak. J. Bot. 40 (1): 439-444.

Dawar, S., S. Wahab, M. Tariq, and J. Zaki. 2010. Application of *Bacillus* species in the control of root rot diseases of crop plants. Archives of Phytopathology and Plant Protection 43 (4): 412-418.

De Cal, A., S. Pascual, and P. Melgarejo. 1997. Involvement of resistance induction by *Penicillium oxalicum* in the biocontrol of tomato wilt. Plant Pathology 46 (1): 72-79.

De Cal, Garcia-Lepe, Pascual, and Melgarejo. 1999. Effects of timing and method of application of *Penicillium oxalicum* on efficacy and duration of control of fusarium wilt of tomato. Plant Pathol. 48 (2): 260-266.

De Ceuster, T. J. J. and H. A. J. Hoitink. 1999. Prospects for composts and biocontrol agents as substitutes for methyl bromide in biological control of plant diseases. Compost Science & Utilization 7 (3): 6-15.

De Curtis, F., G. Lima, D. Vitullo, and V. de Cicco. 2010. Biocontrol of *Rhizoctonia solani* and *Sclerotium rolfsii* on tomato by delivering antagonistic bacteria through a drip irrigation system. Crop Prot. 29 (7): 663-670.

De Jonghe, K., D. Hermans, and M. Hofte. 2007. Efficacy of alcohol alkoxylate surfactants differing in the molecular structure of the hydrophilic portion to control *Phytophthora nicotianae* in tomato substrate culture. Crop. Protection 26 (10): 1524-1531.

De Lima, G. S., I. P. Assuncao, and S. M. A. de Oliveira. 1998. Effect of treatment of melon fruits (*Cucumis melo* L.) with different calcium sources on rot caused by *Myrothecium roridum*. (In Portuguse with English Summary). Summa Phytopathologica 24 (3/4): 276-279.

De Meyer, G., K. Capieau, K. Audenaert, A. Buchala, J. P. Metraux, and M. Hofte. 1999. Nanogram amounts of salicylic acid produced by the rhizobaterium *Pseudomonas aeruginosa* 7NSK2 activate the systemic acquired resistance pathway in bean. Molecular Plant-Microbe Interactions 12 (5): 450-458.

Denner, F. D. N., C. P. Millard, and F. C. Wehner. 2000. Effect of soil solarization and mouldboard ploughing on black dot of potato, caused by *Colletotrichum coccodes*. Potato Research 43: 195-201.

Dennis, J. J. 2001. Progress towards an integrated control strategy for onion white rot disease, including the use of artificial germination stimulants. Acta. Hort. No. 555: 117-121.

Dent, D. 2000. Insect pest management (2nd ed.). CABI Publishing, Wallingford, UK. 410.

De Sousa da Silva, E. et al. 2012. Net melon resistance to *Didymella bryoniae* according to grafting and potassium levels. Summa Phytopathologica 38 (2): 6 p.

De Vay, J. E. 1991a. Historical review and principles of soil solarization. In: FAO Plant Production and Protection Paper 109. Food and Agriculture Organization of the United Nations. Rome, Italy.

De Vay, J. E. 1991b. Use of soil solarization for control of fungal and bacterial plant pathogens including biocontrol. In: FAO Plant Production and Protection Paper 109. Food and Agriculture Organization of the United Nations, Rome, Italy.

Dhanavantari, B. N. and A. P. Papadopoulos. 1995. Suppression of bacterial stem rot (*Erwinia carotovora* subsp. *carotovora*) by a high potassium-to-nitrogen ratio in the nutrient solution of hydroponically grown tomato. Plant Disease 79 (1): 83.

Dias, R. de C. S., B. Picó, J. Herraiz, A. Espinós, and F. Nuez. 2002. Modifying root structure of cultivated muskmelon to improve vine decline resistance. HortScience 37 (7): 1092-1097.

Diaz, B. M. et al. 2006. Impact of ultraviolet-blocking plastic films on insect vectors of virus diseases infesting crisp lettuce. HortScience 41 (3): 711-716.

DiFonzo, C. D., D. W. Ragsdale, E. B. Radcliffe, N. C. Gudmestad, and G. A. Secor. 1996. Crop borders reduce potato virus Y incidence in seed potato. Ann. Appl. Biol. 129 (2): 289-302.

Dik, A. T. and Y. Elad. 1999. Comparison of antagonists of *Botrytis cinerea* in greenhouse-grown cucmber and tomato under different climatic conditions. Europ. J. Plant Pathol. 15 (2): 129-137.

Dik, A. J., M. A. Verhaar, and R. R. Bélanger. 1998. Comparison of three biological control agents against cucumber powdery midew (*Sphaerotheca fuliginea*) in semi-commercial-scale glasshouse trials. Europ. J. Plant Pathol. 104 (4): 413-423.

Dik, A. J., G. Koning, and J. Köhl . 1999. Evaluation of microbial antagonists for biological control of *Botrytis cinerea* stem infection in cucumber and tomato. Europ J. Plant Pathol. 105 (2): 115-122.

Di Venere, D., V. Linsalata, and V. V. Massignan. 2000. Storage temperature, postharvest treatments, market life and quality of winter melon (*Cucumis melo* L. group *inodorus*). Acta Hort. No. 518: 159-165.

Dixon, G. R. 1981. Vegetable crop diseases. Avi Pub Co., Inc., Westport, Connecticut. 404 p.

Dixon, G. R. 1996. Repression of the morphogenesis of *Plasmodiophora brassicae* Wor. By boron - a review. Acta Hort. No. 407: 393-401.

Duffy, B. K. and G. Défago. 1999. Macro- and microelement fertilizers influence the severity of *Fusarium* crown and root rot of tomato in soilless production system. HortScience 34 (2): 287-291.

Edelstein, M. et al. 1999. Integrated management of sudden wilt in melons, caused by *Monosporascus cannonballus*, using grafting and reduced rates of methyl bromide. Plant Dis. 83: 1142-1145.

Eikemo, H., A. Stensvand, and A. M. Tronsmo. 2003. Indeced resistance as a possible means to control diseases of strawberry caused by *Phytophthora* spp. Plant Dis. 87 (4): 345-350.

Elad. Y., G. Zimand, Y. Zaqs. S. Zuriel, and I. Chet. 1993. Use of *Trichoderma harzianum* in combination or alternation with fungicides to control cucumber grey mould (*Botrytis cinerea*) under commercial greenhouse conditions. Plant Pathol. 42 (3): 324-332.

Elad, Y., J. Kohl, and N. J. Fokkema. 1994. Control of infection and sporulation of *Botrytis cinerea* on bean and tomato by saprophytic yeasts. Phytopathology 84 (10): 1193-1200.

El-Ghaouth, A., J. Arul, J. Grenier, N. Benhamou, A. Asselin, and R. Bélanger. 1994. Effect of chitosan on cucumber plants: suppression of *Pythium aphanidermatum* and induction of defense reactions . Phytopathology 84 (3): 313-320.

Elmer, W. H. and F. J. Ferrandino. 2009. Suppression of verticillium wilt eggplant by earthworms. Plant Dis. 93 (5): 485-489.

El-Mougy, N. S., F. Abd-El-Kareem, N. G. El-Gamal, and Y. O. Fatooh. 2004. Application of fungicides alternatives for controlling cowpea root rot disease under greenhouse and field conditions. Egypt. J. Phytopathol. 32 (1-2): 23-35.

El-Mougy, N., N. El-Gamal, and M. Abdalla. 2008. The use of fungicide alternatives for controlling postharvest decay of strawberry and orange fruits. J. Plant Prot. Res. 48 (3): 385-396.

El-Mougy, N. S., M. M. Abdel-Kader, S. M. Lashin, and A. A. Megahed. 2013. Fungicides alternatives as plant resistance inducers against foliar disease incidence of some vegetables grown under plastic houses conditions. International J. Eng. Innovative Technol. 3 (6): 71-81.

El-Shami, M. A., D. E. Salem, F. A. Fadl, and M. M. El-Zayat. 1990b. Soil solarization and plant disease management. III. Effect of solarization of soil infested with Fusarium wilt pathogen on the growth and yield of tomatoes. Agric. Res. Rev. (Cairo). 68 (3): 613-623.

El-Tarabily, K. A., G. E. St. J. Hardy, and K. Sivasithamparam. 2010. Performance of three endophytic actinomycetes in relation to plant growth promotion and biological control of *Pythium aphanidermatum*, a pathogen of cucumber under commercial field production conditions in the United Arab Emirates. Eur. J. Plant Pathol. 128: 527-539.

El-Wakil, N. E. and S. A. Saleh. 2009. Effects of neem and diatomaceous earth aginst *Myzus persicae* and associated predators in addition to indirect effects on artichoke growth and yield parameters. Archives of Phytopathogy and Plant Protection 42 (12): 1132-1143.

El-Zammar. S., Y. Abou-Jawdah, and H. Sobh. 2001. Management of virus diseases of squash in Lebanon. J. Plant Pathol. 83 (1): 21-25.

Entwistle, A. R. 1990. Root diseases, pp. 103-154. In: H. D. Rabinowitch and J. L. Brewster. (eds.). Onioms and allied crops. Vol. II. Agronomy, biotic interactions, pathology and crop protection. CRC Press, Inc., Boca Raton, Florida.

Etoh, T. 1994. Recent studies on leaf, flower, stem and root vegetables in Japan. Hort. Abstr. 64 (2): 121-129.

Evans, K. A. 1993. Effects of the addition of chitin to soil on soil-borne pests and diseases. Crop Protection in Northern Britan 1993: 189-194. (c. a. Field Crops Abstr. 1994. 47: 1713).

Falcioni, T. et al. 2014. Effect of salycylic acid treatment on tomato plant physiology and tolerance to potato virus X infection. Europ. J. Plant Pathol. 138 (2): 331-345.

Fallik, E., O. Ziv, S. Grinberg, S. Alkalai, and J. D. Klein. 1997. Bicarbonate solutions control powdery mildew (*Leveillula taurica*) on sweet red pepper and reduce the development of postharvest fruit rotting. Phytoparasitica 25 (1): 41-43.

Fallik, E., S. Grinberg, and O. Ziv. 1997. Potassium bicarbonate reduces postharvest decay development on bell pepper fruits. J. Hort. Sci. 72 (1): 35-41.

Fallik, E., D. D. Archbold, T. R. Hamilton-Kemp, A. M. Clements, R. W. Collins, and M. M. Barth. 1998. (E)-2-hexenal can stimulate *Botrytis cinerea* growth in vitro and on strawberries in vivo during storage. J. Amer. Soc. Hort. Sci. 123 (5): 875-881.

Fallik, E. et al. 2000. Reduction of postharvest losses of Galia melon by a short hot-water rinse. Plant Pothol. 49 (3): 333-338.

Faria, M. and S. P. Wraight. 2001. Biological control of *Bemisia tabaci* with fungi. Crop Protection 20 (9): 767-778.

Fawe, A., M. Abou-Zaid, J. G. Menzies, and R. R. Bélanger. 1998. Silicon-mediated accumulation of flavonoid phytoalexins in cucumber. Phytopathology 88: 396-401.

Feng, W. and X. Zheng. 2007. Essential oils to control *Alternaria alternata in vitro* and *in vivo*. Food Control 18 (9): 1126-1130.

Fereres, A. 2000. Barrier crops as a cultural control measure of non-persistently transmitted aphid-borne viruses. Virus Research 71 (1/2): 221-231.

Ferguson, J. J. 2006. General guidelines for organic crop production. University of Florida, IFAS Extension 11 p. The Internet.

Feussner, I., I. G. Fritz, B. Hause, W. R. Ullrich, and C. Wasternack. 1997. Induction of new lipoxygenase form in cucumber leaves by salicylic acid or 2,6-dichloroisonicotinic acid. Botanica Acta 110 (2): 101-108. c. a. Rev. Plant Pathol. 76 (11): 9055; 1997.

Fita, A., B. Picó, C. Roig, and F. Nuez. 2007. Performance of *Cucumis melo* ssp. *agrestis* as a rootstock for melon. J. Hort. Sci. Biotechnol, 82 (2): 184-190.

Fiume, F. 1994. The use of plastic tunnel for soil solarization in protected crops in southern Italy. (In Italian with English summary). Informatore Fitopatologico 44 (3): 52-57. (c.a. Rev. Plant. Pathol. 1994, 73: 7961).

Fokkema, N. J. 1993. Opportunities and problems of control of foliar pathogens with micro-organisms. Pesticide Sci. 37 (4): 411-416.

Fontenelle, A. D. B., S. D. Guzzo, C. M. M. Lucon, and R. Harakava. 2011. Growth promotion and induction of resistance in tomato plant against *Xanthomonas euvesicatoria* and *Alternaria solani* by *Trichoderma* spp. Crop. Prot. 30: 1492-1500.

Fortnum, B. A., M. J. Kasperbauer, and D. R. Decoteau. 2000. Effect of mulch surface color on root-knot of tomato grown in simulated beds. J. Nematol. 32 (1): 101-109.

Foster. J. M., R. P. Naegele, and M. K. Hausbeck. 2013. Evaluation of eggplant rootstocks and pepper varieties for potential resistance to isolates of *Phytophthora capsici* from Michigan and New York. Plant Dis. 97 (8): 1037-1041.

Fravel, D. R. 2005. Commercializan and implementation of biocontrol. Ann. Rev. Phytopathol. 43: 337-359.

French-Monar, R. D., F. A. Rodrigues, G. H. Korndorfer, and L. E. Datnoff. 2010. Silicon suppress phytophthora blight on bell pepper. 158 (7/8): 554-560.

Frey, S. and T. L. W. Carver. 1998. Induction of systemic resistance in pea powdery mildew by exogenous application of salicylic acid. J. Phytopathol. 146 (5/6): 239-245.

Fulton, R. W. 1986. Practices and precautions in the use of cross protection for plant virus disease control. Ann. Rev. Phtytopathol. 24: 67-81.

Gamil, N. A. M. 1995a. Induced resistance in squash plants against powdery mildew by cobalt and phosphate sprays. Annals of Agricultural Sciences. Moshtohor 33 (1): 183-194.

Gamil, N. A. M. 1995b. Aspirin induces resistance to powdery mildew in squash plants. Annals of Agricultural Science, Mohtohor 33 (2): 681-691.

Gamliel, A. and J. Katan. 1991. Involvement of fluorescent Pseudomonads and other microorganisms in increased growth response of plants in solarized soils. Phytopathology 81: 494-502.

Gamliel, A. and J. J. Stapleton. 1993. Effect of chicken compost or ammonium phosphate and solarization on pathogen control, rhizosphere microorganisms, and lettuce growth. Plant Dis. 77: 886-891.

Gamliel, A., A. Grinstein, V. Zilberg, M. Beniches, J. Katan, and O. Ucko. 2000. Control of soilborne diseases by combination of soil solarization and fumigants. Acta Hort. No. 532: 157-164.

Gardner, B. B. M. and D. R. Fravel. 2002. Biological control of plant pathogens: research, commercialization, and application in the USA. 13 p. The Internet.

Gatto, M. A. et al. 2011. Activity of extracts from wild edible herbs against postharvest fungal disease of fruit and vegetables. Postharvest Biol. Technol. 61: 72-82.

Ge, Y. H. et al. 2015. Postharvest ASM dipping and DPI pre-treatment regulated reactive oxygen species metabolism in muskmelon (*Cucumis melo* L.) fruit. Postharvest Biol. Technol. 99: 160-167.

Georgakopoulos, D. G., P. Fiddaman, C. Leifert, and N. E. Malathrakis. 2002. Biological control of cucumber and sugarbeet damping-off caused by *Pythium ultimum* with bacterial and fungal antagonists. J. Appl. Micribiol. 92 (6): 1078-1086.

Ghini, R., W. Bettiol, C. A. Spadotto, G. E. de Moraes, L. C. Paraiba, and J. L. de C. Mineiro. 1993. Soil solarization for the control of tomato and eggplant verticillium wilt and its effect on weed and micro-arthopod communities. Summa Phytoparasitica 19 (3-4): 183-189 (c. a. Rev. Plant Pathol. 1995, 74: 367).

Ghoshen, H. Z., K. M. Hameed, M. A. Turk, and A. F. Al-Jamali. 1999. Olive (*Olea europea*) jift suppresses broomrape (*Orobanche* spp.) infection in faba bean (*Vicia faba*), pea (*Pisum sativum*), and tomato (*Lycopersicon esculentum*). Weed Technology 13 (3): 457-460.

Giannakou, I. O., I. A. Anastasiadis, S. R. Gowen, and D. A. Prophetou-Athanasiadou. 2007. Effects of a non-chemical nematicide combined with soil solarization for the control of root-knot nematodes. Crop Protection 26: 1644-1654.

Gilardi, G. et al. 2013. Integrated management of *Phytophthora capsici* on bell pepper by combining grafting and compost treatment. Crop Prot. 53: 13-19.

Giorgini, M. and G. Viggiani, 1994. Results of an integrated control trial against *Trialeurodes vaporariorum* (Westwood) (Homoptera: Aleyrodidae) on fresh tomatoes in protected cultivation (second crop). (In Italian with English summary). Informatore fitopatologico 44 (7-8): 49-53. (c. a. Hort. Abstr. 66: 1457; 1996).

Giotis, C. et al. 2009. Effect of soil amendments and biological control agents (BCAs) on soil-borne root diseases caused by *Pyrenochaeta lycopersici* and *Verticillium albo-atrum* in organic greenhouse tomato production systems. Europ. J. Plant Pathol. 123 (4): 387-400.

Gnanamanickam, S. S. 2002. Biological control of crop diseases. Marcel Dekker, Inc., N. Y. 468 p.

Gnanamanickam, S. S., P. Vasudevan, M. S. Reddy, J. W. Kloepper, and G. Defago. 2002. Principles of biological control, pp. 1-9. In: S. S. Gnanamaickam (ed.) Biological control of crop diseases. Marcel Dekker, Inc., N. Y.

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 Prot. 18 (6): 397-405.

Gogo, E. O. et al. 2014. Microclimate modification and insect pest exculusion using Agronet improve pod yield and quality of French bean. HortScience 49 (10): 1298-1304.

Goldberg, N. P., M. E. Stanghellini, and S. L. Rasmussen. 1992. Filtration as a method for controlling pythium root rot of hydroponically grown cucumbers. Plant Disease 76: 777-779.

Gondim, D. M. F., D. Terao, A. S. Martins-Miranda, I. M. Vasconcelos, and J. T. A. Oliveira. 2008. Benzo-thiazole-7-carbothioic acid S-methyl ester does not protect melon fruits against *Fusarium pallidoroseum* but induces defense responses in melon seedlings. J. Phytopathol. 156 (10): 607-614.

Gong, B. et al. 2013. Efficacy of garlic straw application against root-knot nematodes on tomato. Sci. Hort. 161: 49-57.

Gooding, G. V., Jr. 1975. Inactivation of tobacco mosaic virus in tomato seed with trisodium orthophosphate and sodium hypochlorite. Plant Disease Reporter 59: 770-772.

Gould, H. J. 1987. Protected crops. In: A. J. Burn, T. H. Coaker, and P. C. Jepson (Eds). Integrated Pest Management; pp. 403-424. Academic Pr., London.

Grange, R. I. and D. W. Hand. 1987. A review of the effects of atmospheric humidity on the growth of horticultural crops. J. Hort. Sci. 62: 125-134.

Gravel, V. et al. 2007. Control of greenhouse tomato root rot (*Pythium ultimum*) in hydroponic systems, using plant-growth-promoting microorganisms. Cand. J. Plant Pathol. 28 (3): 474-475.

Greenough, D. R., L. L. Black, and W. P. Bond. 1990. Alumunum-mulch: an approach to the control of tomato spotted wilt virus in solanaceous crops. Plant Dis. 74: 805-808.

Grosch, R. and D. Grote. 1998. Suppression of *Phytophthora nicotianae* by application of *Bacillus subtilis* in closed soilless culture of tomato plants. (In German with English Summary). Gartenbauwissenschaft 63 (3): 103-109. c. a. Rev. Plant Pathol. 78: Abstr. 524; 1999.

Gupta, V. P., H. Bochow, S. Dolej, and I. Fischer. 2000. Plant growth-promoting *Bacillus subtilis* strain as potential inducer of systemic resistance in tomato against Fusarium wilt. Zeitschrift fur Pflanzenkrankheiten und Pflanzenshutz 107 (2): 145-154.

Gurjar, M. S., S. Ali, M. Akhtar, and K. S. Singh. 2012. Efficacy of plant extracts in plant disease management. Agr. Sci. 3 (3): 425-433.

Guzmán-Valle, P. et al. 2014. Induction of resistance to *Sclerotium rolfsii* in different varieties of onion by inoculation with *Trichoderma asperellum*. Europ. J. Plant Pathol. 138 (2): 223-229.

Gwinn, K. D. et al. 2010. Role of essential oils in control of Rhizoctonia damping-off in tomato with bioactive Monadra herbage. Phytopathology 100 (5): 493-501.

Haberele, R. and E. Schlosser. 1993. Protective and curative effects of Telmion on *Sphaerotheca fuliginea* on cucumber. Mededelingen van de Faculteit Landbpuwwetenschappen. Universiteit Gent. 58 (3b): 1461-1467. c. a. Rev. Plant Pathol. 73 (12): 8012; 1994.

Hacisalihoglu, G., J. Pingsheng, L. M. Longo, S. Olson, and T. M. Momol. 2007. Bacterial wilt induced changes in nutrient distribution and biomass and the effect of acibenzolar-S-methyl on bacterial wilt in tomato. Crop Protection 27 (7): 978-982.

Hafez, Y. M., Y. A. Bayoumi, Z. Pap., and N. Kappel. 2008. Role of hydrogen peroxide and pharmaplant-turbo against cucumber powdery mildew fungus under organic and inorganic production. International J. Hort. Sci. 14 (3): 39-44.

Hagler, J. R. 2000. Biological control of insects, pp. 207-241. In: J. E. Rechcigl and N. A. Rechcigl (eds.). Insect pest management. Lewis Publishers, Boca Raton.

Haikal, N. Z. 2007. Control of Pythium damping-off of squash (*Cucurbita pepo*) by seed treatment with crop straw and soil by the biocontrol agent *Trichoderma harzianum*. Plant Pathol. J. 6: 95-98.

Haikal, N. Z. 2007. Improving biological control of fusarium root-rot in cucumber (*Cucumis sativus* L.) by allelopathic plant extracts. International J. Agr. Biol. 9 (3): 459-461.

Hamed, H. A. 1999. Biological control of basal stem rot and wilt of cucumber caused by *Pythium ultimum* and *Fusarium oxysporum* f. sp. *cucumerinum*. African J. Mycol. Biotechnol. 7 (1): 81-91.

Hammerschmidt, R. 2004. Induced plant resistance to fungal pathogens: mechanisms and practical applications, pp. 179-206. In: Z. K. Punja (ed.). Fungal disease resistance in plants: biochemistry, molecular biology, and genetic engineering. Food Products Press, N. Y.

Hammerschmidt, R., J. P. Métraux, and L. C. Van Loon. 2001 Inducing resistance: a summary of papers presented at the first international symposium on induced restance to plant diseases, Corfu, May 2000. Europ. J. Plant Pathol. 107: 1-6.

Hanna, H. Y. 2000. Double-cropping muskmelons with nematode-resistant tomatoes increases yield, but mulch color has no effect. HortScience 35 (7): 1213-1214.

Harel, Y. M., Z. H. Mehari, D. Rav-David, and Y. Elad. 2014. Systemic resistance to gray mold induced in tomato by benzothiadiazole and *Trichoderma harzianum* T39. Phytopathology 104 (2): 150-157.

Harman, G. E. 2000. Myths and dogmas of biocontrol: changes in perceptions derived from research on *Trichoderma harzianum* T-22. Plant Disease 84 (4): 377-393.

Harman, G. E. 2006. Overiew of mechanisms and uses of *Trichoderma* spp. Phytopathology 96 (2) 190-194.

Harrier, L. A. and C. A. Watson. 2003. The role of arbuscular mycorrhizal fungi in sustainable cropping systems. Adv. Agron. 20: 185-225.

Harrison, Y. A. and A. Stewart. 1988. Selection of fungal antagonists for biological control of onion white rot in New Zealand. N. Z. J. Exp. Agr. 16 (3): 249-256.

Hartmann, H. T. and D. E. Kester. 1983. (4th ed.). Plant Propagation: principles and practices. Prentice/Hall International, Inc., Englewood Cliffs, New Jersey. 727 p.

Hartz, T. K., C. R. Bogle, D. A. Bender, and F. A. Avila. 1989. Control of pink root disease in onion using solarization and fumigation. J. Amer. Soc. Hort. Sci. 114: 587-590.

Hartz, T. K., J. E. De Vay, and C. L. Elmore. 1993. Solarization is an effective soil disinfesiation technique for strawberry production. HortScinence 28: 104-106.

Hashem, M. and K. A. Abo-Elyousr. 2011. Management of the root-knot nematode *Meloidogyne incognita* on tomato with combinations of different biocontrol organisms. Crop Prot. 30: 285-292.

Hass, B., D. M. Glen, P. Brain and L. A. Hughes. 1999. Targeting biocontrol with the slug-parasitic nematode *Phasmarhabditis hermaphrodita* in slug feeding areas: a model study. Biocontrol Science and Technology 9 (4): 587-598.

Hassan, M. A. E. and H. Bauchenauer. 2009. Enhanced control of bacterial wilt of tomato by DL-3-aminobutyric acid and the fluorescent *Pseudomonas* isolate CW2. J. Plant Dis. Prot. 115 (5): 199-207.

Hassenberg, K., M. Geyer, and W. B. Herppich. 2010 Effect of acetic acid vapour on the natural microflora and *Botrytis cinerea* of strawberries. Europ. J. Hort. Sci. 75: 141-146.

Helbig, J. 2001. Biological control of *Botrytis cinerea* Pers. Ex Fr. in strawberry by *Paenibacillus polymyxa* (isolate 18191). J. Phytopathol. 149 (5): 265-273.

Helbig, J. 2002. Ability of the antagonistic yeast *Cryptococcus albidus* to control *Botrytis cinerea* in strawberry. Biocontrol 47 (1): 85-99.

Herman, M. A. B., B. A. Nault, and C. D. Smart. 2008. Effects of plant growth-promoting rhizobacteria on bell pepper production and green peach aphid infestations in New York. Crop Protection 27 (6): 996-1002.

Herman, M. A. B., J. K. Davidson, and C. D. Smart. 2008. Induction of plant defense gene expression by plant activators and *Pseudomonas syringae* pv. *tomato* in greenhouse-grown tomatoes. Phytopathology 98 (11): 1226-1232.

Hershenhorn, J. et al. 1996. Role of pepper (*Capsicum annuum*) as a trap and catch crop for control of *Orobanche aegyptiaca* and *O. cernua*. Weed Sci. 44 (4): 948-951.

Hibar, K., M. Daami-Remadi, W. Hamada, and M. El-Mahjoub. 2006. Bio-fungicides as an alternative for tomato *Fusarium* crown and root rot control. Tunisian J. Plant Prot. 1 (1): 19-29.

Hijwegen, T. and M. A. Verhaar. 1995. Effects of cucumber genotype on the induction of resistance to powdery mildew, *Sphaerotheca fuliginea*, by 2,6-dichloroisonictonic acid. Plant Pathology 44 (4): 756-762.

Hilje, L., H. S. Costa, P. A. Stansly. 2001. Cultural practices for managing *Bemisia tabaci* and assoiated viral diseases. Crop Prot. 20 (9): 801-812.

Himmeistein, J. C., J. E. Maul, and K. L. everts. 2014. Impact of five cover crop green manures and actinovate on fusarium wilt of watermelon. Plant Dis. 98 (7): 965-972.

Hoffland, E., J. Hakulinen, and J. A. van Pelt. 1996. Comparison of systemic reistance induced by avirulent and nonpathogenic *Pseudomonas* species. Phytopathology 86: 757-762.

Hoffland, E., M. J. Jeger, and M. L. van Beusichem. 2000. Effect of nitrogen supply rate on disease resistance in tomato depends on the pathogen. Plant and Soil 218: 239-247.

Hoitink, H. A. J., A. G. Stone, and D. Y. Han. 1997. Suppression of plant diseases by compsts. HortScience 32 (2): 184-187.

Holt, J., J. Colvin, and V. Muniyappa. 1999. Identifying control strategies for tomato leaf curl virus disease using an epidemiological model. J. App. Ecol. 36 (5): 625-633.

Holzinger, A., D. Nagendra-Prasad, and G. Huys. 2011. Plant protection potential and ultrastructure of *Bacillus subtilis* 3A25. Crop Prot. 30: 739-744.

Honda, N., M. Hirai, T. Ano, and M. Shoda. 1999. Control of tomato damping-off caused by *Rhizoctonia solani* by the heterotrophic nitrifier *Alcaligenes faecalis* and its product, hydroxylamine. Ann. Phytopathol. Soc. Jap. 65 (2): 153-162.

Hong, J. K., B. K. Hwang, and C. H. Kim. 1999. Induction of local and systemic resistance to *Colletotrichum coccodes* in pepper plants by DL-β-amino-n-butyric acid. J. Phytopathol. 147 (4): 193-198.

Horinouchi, H. et al. 2008. Control of fusarium crown and root rot of tomato in a soil system by combination of a plant growth-promoting fungus, *Fusarium equiseti*, and biodegradable pots. Crop Protection 27 (3-5): 859-864.

Horticulture Australia. 2005. Control of sclerotinia diseases. VEGE notes. 4 p. The Internet.

Hu, K. D., L. Y. Hu, Y. H. Li, Y. S. Liu, and H. Zang. 2014. Hydrogen sulfide acts as a fungicide to alleviate senescence and decay in fresh-cut sweet potato. HortScience 49 (7): 938-943.

Huang, Y., B. J. Deverall, W. H. Tang, W. Wang, and F. W. Wu. 2000. Foliar application of acibenzolar-S-methyl and protection of postharvest rock melons and Hami melons from disease. Europ. J. Plant Pathol. 106: 651-656.

Huang, H. C., R. S. Erickson, and T. F. Hsieh. 2007. Control of bacterial wilt of bean (*Curtobacterium flaccumfaciens* pv. *flaccumfaciens*) by seed treatment with *Rhizobium leguminosarum*. Crop Protection 26 (7): 1055-1061.

Huang, Y., C. K. Xu, L. Ma, K. Q. Zhang, C. Q. Duan, and M. H. Mo. 2010. Characterisation of volatiles produced from *Bacillus megaterium* YFM3.25 and their nematicidal activity against *Meloidogyne incognita*. Europ. J. Plant Pathol. 126 (3): 417-422.

Huang, C. H., P. D. Roberts, and L. E. Datnoff. 2011. Silicon suppresses fusarium crown and root rot of tomato. J. Phytopathol. 159 (7/8): 546-554.

Huang, C. H. et al. 2012. Effect of application frequency and reduced rates of acibenzolar-S-methyl on the field efficacy of induced resistance against bacterial spot on tomato. Plant Dis. 96 (2): 221-227.

Huber, D. M. and R. D. Graham. 1999. The role of nutrition in crop resistance and tolerance to diseases, pp. 169-226. In: Z. Rengel (ed.). Mineral nutrition of crops. Food Products Press, N. Y.

Ijani, A. S. M., R. B. Mabagala, and S. Nchimbi-Mosolla. 2000. Efficacy of different control methods applied separately and in combination in managing root-knot nematodes (*Meloidogyne* spp.) in common beans. Europ. J. Plant Pathol. 106: 1-10.

Ippolito, A. and F. Nigro. 2000. Impact of preharvest application of biological control agent on postharvest diseases of fresh fruits and vegetables Crop Prot. 19 (8-10): 715-723.

Isakeit, T. and G. Philley. 2007. Disease management. In: Vegetable handbook.
<http://aggie-horticulture.tamu.edu/extension/veghandbook/chapter7/ch... >

Islam, T. M. and K. Toyota. 2004. Suppression of bacterial wilt of tomato by *Ralstonia solanacearum* by incorporaction of composts in soil and possible mechanisms. Microbes and environments 19 (1): 53-60.

Islam, S. Z., M. Babadoost, and Y. Honda. 2002. Effect of red light treatment of seedlings of pepper, pumpkin, and tomato on the occurrence of phytophthora damping-off. HortScience 37 (4): 678-681.

Islam, S. Z., M. Babadoost, S. Bekal, and K. Lambert. 2008. Red light-induced systemic disease resistance against root-knot nematode *Meloidogyne javanica* and *Pseudomonas syringae* pv. *tomato* DC 3000. J. Phytopathol. 156: 708-714.

Islam, M. S., H. M. K. Bashar, M. I. A. Howlader, J. U. Sarker, and M. H. Al-Mamun. 2013. Effect of grafting on watermelon growth and yield. Khon Kaen Agr. J. 41 Suppl. 1.

Issa-Zacharia, A., Y. Kamitani, H. S. Muhimbula, and B. K. Ndabikunze. 2010. A review of microbiological safety of fruits and vegetables and the introduction of electrolyzed water as an alternative to sodium hypochlorite solution. African J. Food Sci. 4 (13): 778-789.

Jacobsen, B. 2002. Biological control of potato pathogens, pp. 179-189. In: S. S. Gnanamanickam (ed.). Biological control of crop diseases. Marcel Dekker, Inc., N. Y.

Jacobson, R., A. Greenberger, J. Katan M. Levi, and H. Alon. 1980. Control of Egyptian broomrape (*Orobanche aegyptiaca*) and other weeds by means of solar heating of soil by polyethylene mulching. Weed Sci. 28: 312-316.

Jaime, M. D. L. A., T. Hsiang, and M. R. McDonald. 2008. Effects of *Glomus intraradices* and onion cultivar on *Allium* white rot development in organic soils in Ontario. Canad. J. Plant Pathol. 30 (4): 543-553.

Jakab, G., V. Cottier, V. Toquin, G. R. Rigoli, L. Zimmerli, J. P. Métraux, and B. Mauch-Mani. 2001 β-Aminobutyric acid-induced resistance in plants. Europ. J. Plant Pathol. 107: 29-37.

Jarvis, W. R. 1989. Managing diseases in greenhouse crops. Plant Disease 73: 190-194.

Javed, N., S. R. Gowen, S. A. El-Hassan, M. Inam-ul-Haq. F. Shahina and B. Pembroke. 2008. Efficacy of neem (*Azadirachta indica*) formulations on biology of root-knot nematodes (*Meloidogyne javanica*) on tomato. Crop Protection 27 (1): 36-43.

Jayaraj, J., M. Rahman, A. Van, and Z. K. Punja. 2009. Enhanced resistance to foliar fungal pathogens in carrot by application of elicitors. Ann. App. Biol. 155 (1): 71-80.

Jensen, B. D., A. O. Latunde-Dada, D. Hudson, and J. A. Lucas. 1998. Production of *Brassica* seedlings against downy mildew and damping-off by seed treatment with CGA 245704, an activator of systemic acquired resistance. Pesticide Sci. 52 (1): 63-69.

Jensen, M. H., M. Valenzuela, and D. D. Fangmeler. 1999. Using non-woven floating covers on summer squash for exclusion of whitefly-transmitted Gemini viruses. Plasticulture No. 118: 14-19.

Jetiyanon, K. and J. W. Kloepper. 2002. Mixtures of plant growth-promoting rhizobacteria for induction of systemic resistance against multiple plant diseases. Biological Control 24 (3): 285-291.

Ji, P. et al. 2006. Integrated biological control of bacterial speck and spot of tomato under field conditions using foliar biological control agents and plant growth-promoting rhizobacteria. Biol. Cont. 36 (3): 358-367.

Jiang, J. F., J. G. Li, and Y. H. Dong. 2013. Effect of calcium nutrition on resistance of tomato against bacterial wilt induced by *Ralstonia solanacearum*. Europ. J. Plant Pathol. 136 (3): 547-555.

Jogaiah, S., M. Abdelrahman, L. S. P. Tran, and I. Shin-Ichi. 2013. Characterization of rhizosphere fungi that mediate resistance in tomato against bacterial wilt disease. J. Exp. Bot. 64 (12): 3829-3842.

Johnson, D. A., D. A. Inglis, and J. S. Miller. 2004 Control of potato tuber rots caused by oomycetes with foliar applications of phosphorous acid. Plant Disease 88 (10): 1153-1159.

Jones, E. E. and A. Stewart. 1997. Biological control of *Sclerotinia minor* in lettuce using *Trichoderma* species. Proc. 50th N. Z. Plant Prot. Conf., 154-158.

Joshi, D., K. S. Hooda, J. C. Bhatt, B. L. Mina, and H. S. Gupta. 2009. Suppressive effects of composts on soil-borne and foliar diseases of French bean in the field in the western Indian Himalayas. Crop Prot. 28 (7): 608-615.

Kang, N. J. 2008. Inhibition of powdery mildew development and activation of antioxidant enzymes by induction of oxidative stress with foliar application of a mixture of riboflavin and methionine in cucumber. Sci. Hort. 118 (3): 181-188.

Kandan. A., R. R. Commare, R. Nandakumar, M. Ramiah, T. Raguchander, and R. Samiyappan. 2002. Induction of phenyl-propanoid metabolism by *Pseudomonas fluorescens* against tomato spotted wilt virus in tomato. Folia Microbiologica 47(2): 121-129.

Kammerich, J., S. Beckmann, I. Scharafat, and J. Ludwig-Müller. 2014. Suppression of the clubroot pathogen *Plasmodiophora brassicae* by plant growth promoting formulations in roots of two *Brassica* species. Plant Pathol. 63 (4): 846-857.

Kaskavalci, G. 2007, Effects of soil solarization and organic amendment treatments for controlling *Meloidogyne incognita* in tomato cultivars in Western Anatolia. Turkish J. Agr. For. 31: 159-167.

Kaskavalci, G., Y. Tuzel, O. Dura, and G. B. Oztekin. 2009. Effects of alternative methods against *Meloidogyne incognita* in organic tomato production. Ekoloji 18 (72): 23-31.

Kasperbauer, M. J. 2004. Colored mulch starves nematodes – red plastic mulch, nematodes antidote. The Internet.

Kasuya, M., A. R. Olivier, Y. Ota, M. Tojo, H. Honjo, and R. Fukui. 2006. Induction of soil suppressiveness against *Rhizoctonia solani* by incorporation of dried plant residues into soil. Phytopathology 96 (12): 1372-1379.

Katan, J. 1980. Solar pasteurization of soils for disease control: studies and prospects. Plant Dis. 64: 450-454.

Kay, S. T. and A. Stewart. 1994. Evaluation of fungal antagonists for control of onion white rot in soil box trials. Plant Pathol. 43 (2): 371-377.

Keinath, A. P. and R. L. Hassell. 2014. Control of fusarium wilt of watermelon by grafting onto bottlegourd or interspecific hybrid squash despite colonization of rootstocks by *Fusarium*. Plant Dis. 98 (2): 255-266.

Keinath, A. P. and R. L. Hassell. 2014. Suppression of fusarium wilt caused by *Fusarium oxysporum* f. sp. *niveum* race 2 on grafted triploid watermelon. Plant Dis. 98(10): 1326-1332.

Kerkeni, A., M. Daami-Remadi, N. Tarchoun, and M. Ben Khedher. 2008. Effect of bacterial isolates obtained from animal manure compost extracts on the development of *Fusarium oxysporum* f. sp. *radicis-lycopersici*. Asian J. Plant Pathol. 2 (1): 15-23.

Khalil, S., Hultberg, and B. W. Alsanius. 2009. Effects of growing medium on the interactions between biocontrol agents and tomato root pathogens in a closed hydroponic system. J. Hort. Sci. Biotechnol. 84 (5): 489-494.

Khan, J., J. J. Ooka, S. A. Miller, L. V. Madden, and H. A. J. Hoitink. 2004. Systemic resistance induced by *Trichoderma hamatum* 382 in cucumber against Phytophthora crown rot and leaf blight. Plant Dis. 88 (3): 280-286.

Khastini, R. O., T. Ogawara, Y. Sato, and K. Narisawa. 2014. Control of fusarium wilt in melon by the fungal endophyte *Cadophora* sp. Europ. J. Plant Pathol. 139 (2): 339-348.

Kim, M. A. and S. J. Choi. 2002. Induction of gray mold rot resistance by methyl salicylate application in strawberry fruits. (In Korean with English summary). J. Korean Soc. Hort. Sci. 43 (1): 29-33. c. a. Hort. Abstr. 72 (9): Abstr. 8049; 2002).

King, S. R., A. R. Davis, W. Liu, and A. Levi. 2008. Grafting for disese resistance. HortScience 43 (6): 1673-1676.

Klasse, H. J. 1996. Calcium cyanamide – an effective tool to control clubroot – a review. Acta Hort. No. 407: 403-409.

Kloepper, J. W., C. M. Ryu, and S. Zhang. 2004. Induced systemic resistance and promotion of plant growth by *Bacillus* spp. Phytopathology 94: 1259-1266.

Kobayashi, F., H. Ikeura, S. Ohsato, T. Goto, and M. Tamaki. 2011. Disinfection using ozone microbubbles to inactivate *Fusarium oxysporum* f. sp. *melonis* and *Pectobacterium carotovorum* subsp. *carotovorum*. Crop Prot. 30: 1514-1518.

Koch, E. et al. 2010. Evaluation of non-chemical seed treatment methods for the control of *Alternaria dauci* and *A. radicina* on carrot seeds. Europ. J. Plant Pathol. 127 (1): 99-112.

Kokalis-Burelle, N. 2002. Biological control of tomato diseases, pp. 225-262. In: S. S. Gnanamanickam (ed.). Biological control of crop diseases. Marcel Dekker, Inc., N. Y.

Kosaka, Y. and T. Fukunishi. 1997. Multiple inoculation with three attenuated viruses for the control of cucumber virus disease. Plant Disease 81: 733-738.

Koron, D., S. Sonjak, and M. Regvar. 2014. Effects of non-chemical soil fumigant treatments on root colonization with arbuscular mycorrhizal fungi and strawberry fruit production. Crop Prot. 55: 35-41.

Kousik, C. S., D. C. Sanders, and D. F. Ritchie 1996. Mixed genotypes combined with copper sprays to manage bacterial spot of peppers. Phytopathology 86: 502-508.

Kraft, J. M. and W. Boge. 2001. Root characteristics in pea in relation to compaction and Fusarium root rot. Plant Dis. 85 (9): 936-940.

Kring, T. B. and D. J. Schuster. 1992. Management of insects on pepper and tomato with UV-reflective mulches. Florida Entomologist 75: 119-129.

Kromann, P. et al. 2012. Use of phosphate to manage foliar potato late blight in developing countries. Plant Dis. 96 (7): 1008-1015.

Kuć, J. 2001. Concepts and direction of induced systemic resistance in plants and its application. Europ. J. Plant Pathol. 107: 7-12.

Kuepper, G. 2004. Thrips management alternatives in the field. ATTRA Pub. No. IP132. 6 p. The Internet.

Kuepper, G. and P. Sullivan. 2004. Organic alternatives for late blight control in potatoes. ATTRA. 8 p. The Internet.

Kumar, P. and. A. K. Sood. Integration of antagonistic rhizobacteria and soil solarization for the management of bacterial wilt of tomato caused by *Ralsonia solanacearum*. Indian Phytopathology 54 (1): 12-15.

Kunwar, S. et al. 2015. Grafting using rootstocks with resistance to *Ralstonia solanacearum* against *Meloidogyne incognita* in tomato production. Plant Disease 99 (1): 119-124.

Labbé, R. M., D. R. Gillespie, C. Cloutier, and J. Brodeur. 2009. Compatibility of an entomopathogenic fungus with a predator and a parasitoid in the biological control of greenhouse whitefly. Biocontrol Science and Technology 19 (4): 429-446.

Labrada, R. 2010. Non-chemical alternatives to methyl bromide for soil-borne pest control. 13 p. The Internet.

Lafontaine, P. J. and N. Benjamou. 1996. Chitosan treatment: an emerging strategy for enhancing resitance of greenhouse tomato plants to infection by *Fusarium oxysporium* f. sp. *radicis-lycopersici*. Biocontrol Science and Technology 6 (1): 111-124.

Lang, J. M., D. H. Gent, and H. F. Schwartz. 2007. Management of Xanthomonas leaf blight of onion with bacteriophages and a plant activator. Plant Disease 91 (7): 871-878.

Larentzaki, E., A. M. Shelton, and J. Plate. 2008. Effect of kaolin particle film on *Thrips tabaci* (Thysanoptera: Thripidae), oviposition, feeding and development on onions: a lab and field case study. Crop Protection 27 (3-5): 727-734.

Larkin, R. P. 2008. Relative effects of biological amendments and crop rotations on soil microbial communities and soilborne diseases of potato. Soil Biol. Biochem. 40 (6): 1341-1351.

Larkin, R. P. and S. Tavantzis. 2013. Use of biocontrol organisms and compost amendments for improved control of soilborne diseases and increased potato production. Amer. J. Potato Res. 90: 261-270.

Latha, P., T. Anand, N. Ragupathi, V. Prakasam, and R. Samlyappan. 2009. Antimicrobiol activity of plant extracts and induction of systemic resistance in tomato plants by mixtures of PGPR strains and Zimmu leaf extract against *Alternaria solani*. Biological Control 50 (2): 85-93.

Lazarovits, G. 2010. Managing soilborne disease of potatoes using ecologically based approaches. Am. J. Potato Res. 87: 401-411.

Lebeda, A. and Y. Cohen. 2011. Cucurbit downy mildew (*Pseudoperonospora cubensis*) – biology, ecology, epidemiology, host-pathogen interaction and control. Eur. J. Plant Pathol. 129: 157-192.

Lee, J. M. 1994. Cultivation of grafted vegetables. I. Current status, grafting methods, and benefits. HortScience 29 (4): 235-239.

Lee, S. W. et al. 2010. *Pseudomonas* sp. LSW25R, antagonistic to plant pathogens, promoted plant growth, and reduced blossom-end rot of tomato fruit in a hydroponic system. Europ. J. Plant Pathol. 126 (1): 1-11.

Legard, D. E., C. L. Xiao, J. C. Mertely, and C. K. Chaadler. 2000. Effects of plant spacing and cultivar on incidence of Botrytis fruit rot in annual Strawberry. Plant Dis. 84 (5): 531-538.

Leyva, M. O. et al. 2008. Preventive and post-infection control of *Botrytis cinerea* in tomato plants by hexanoic acid. Plant Pathol. 57 (6): 1038-1046.

Li, L. et al. 2012. Screening and partial characterization of *Bacillus* with potential applications in biocontrol of cucumber fusarium wilt. Crop Protection 35 : 29-35.

Li, B. et al. 2013. Effect of chitosan solution on the inhibition of *Acidovorax citrulli* causing bacterial fruit blotch of watermelon. J. Sci. Food Agr. 93 (5): 1010-1015.

Lievens, B., K. Vaes, J. Coosemans, and J. Ryckeboer. 2001. Systemic resistance induced in cucumber against Pythium root rot by source separted household waste and yard trimmings composts. Compost. Science & Utilization 9 (3): 221-229.

Liew, C. L. and R. K. Prange. 1994. Effect of ozone and storge temperature on postharvest diseases and physiology of carrots (*Daucus carota* L.). J. Amer. Soc. Hort. Sci. 119 (3): 563-567.

Liljeroth, E., T. Bengtsson, L. Wiik, and E. Andreasson. 2010. Induced resistance in potato to *Phytophthora infestans* – effects of BABA in greenhouse and field tests with different potato varieties. Europ. J. Plant Pathol. 127 (2): 171-183.

Lillo, C., V. Bjordal, K. Johansen, T. Netteland, R. E. Pedersen, E. Svendsen, L. Solvberg, P. Ruoff, and S. O. Grimstad. 1993. Effects of membrane filtration on organic matter and viable bacteria in recerculating nutrient solution in greenhouse. Acta Agriculture Scandinavica. Section B, Soil and Plant Science (43 (2): 121-124. (c. a. Hort. Abstr. 65: 1243; 1995).

Lin, T. C. and H. Ishii. 2009. Accumulation of H_2O_2 in xylem fluids of cucumber stems during ASM-induced systemic acquired resistance (SAR) involves increased LOX activity and transient accumulation of shikimc acid. Europ. J. Plant Pathol. 125 (1): 119-130.

Lin, C. H., S. T. Hsu, K. C. Tzeng, and J. F. Wang. 2008. Application of a preliminary screen to select locally adapted resistant rootstock and soil amendment for integrated management of tomato bacterial wilt in Taiwan. Plant Dis. 92 (6): 909-916.

Liu, H. C., Z. J. Kin, Y. G. Tian, and A. M. Yu. 1995. Control of *Fusarium* in watermelon by grafting in successive seasons. (In Chinese). China Vegetables No. 1: 12-14. c. a. Rev. Plant Pathol. 76 (8): 6534; 1997.

Liu, L., J. W. Kloepper, and S. Tuzun. 1995a. Induction of systemic resistance in cucumber against Fusarium wilt by plant growth-promoting rhizobacteria. Phytopathology 85: 695-698.

Liu, F. et al. 2010. Control effects of some plant extracts against cucumber powdery mildew (*Sphaerotheca fuliginea*) and their stability study. Europ. J. Hort. Sci. 75 (4): 147-152.

Liu, C. H. et al. 2011. Postharvest UV-B irradiation maintains sensory qualities and enhances antioxidant capacity in tomato fruit during storage. Postharvest Biol. Technol. 59 (3): 232-237.

Liu, H. X. et al. 2014. Biological control of Ralstonia wilt, Phytophtora blight, Meloidogyne root-knot on bell pepper by the combination of *Bacillus subtilis* AR12, *Bacillus subtilis* SM21 and *Chryseobacterium* sp. R89. Europ. J. Plant Pathol. 139 (1): 107-116.

Liu, Y. Y. et al. 2014. Effect of postharvest acibenzolar-S-methyl dipping on phenylpropanoid pathway metabolism in muskmelon (*Cucumis melo* L.) fruits. Sci. Hort. 168: 113-119.

Lobato, M. C. et al. 2008. Phosphite compounds reduce disease severity in potato seed tubers and foliage. Europ. J. Plant Pathol. 122 (3): 349-358.

Lobato, M. C. et al. 2011. Effect of foliar applications of phosphite on post-harvest potato tubers. Eur. J. Plant Pathol. 130: 155-163.

Loganathan, M. et al. 2010. *Trichoderma* and chitin mixture based bioformulation for management of head rot (*Sclerotinia sclerotiorum* (Lib.) deBary)-root-knot (*Meloidogyne incognita* Kofoid and White, Chitwood) complex diseases of cabbage. Archives of Phytopathology and Plant Protection 43 (10): 1011-1024.

Louws, F. J., M. Wilson, H. L. Campbell, D. A. Cuppels, J. B. Jones, P. B. Shoemaker, F. Sahin, and S. A. Miller. 2001. Field control of bacterial spot and bacterial speck of tomato using a plant activator. Plant Disease 85: 481-488.

Louws, F. J. et al. 2001. Field control of bacterial spot and bacterial speck of tomato using a plant activator. Plant Dis. 85 (5): 481-488.

Louws, F. J., C. L. Rivard, and C. Kubota. 2010. Grafting fruiting vegetables to manage soilborne pathogens, foliar pathogens, arthopods and weeds. Sci. Hort. 127: 127-146.

Lowery, D. T., K. C. Eastwell, and M. J. Smirle. 1997. Neem seed oil inhibits aphid transmission of potato virus Y to pepper. Annals of Applied Biology 130 (2): 217-225.

Ma, L. P. et al., 1996. The inhibitory effects of compost extracts on cucumber downy mildew and the possible mechanism: (In Chinese with English summary). Acta Phytopathologica Sinica 23 (1): 56-60. c. a. Rev. Plant Pathol. 75 (10): 6714; 1996.

Ma, L. P., F. Gao, and X. W. Qiao. 1999. Efficicacy of compost extracts to cucumber wilt (*Fusarium oxysporum* f. sp. *cucumerinum*) and its mechanisms. (In Chinese with English summary). Acta Phytopathologica Sinica 29 (3): 270-274. c. a. Rev. Plant Pathol. 79 (2): Abstr. 1187; 2000.

Mahdy, A. M. M., M. H. Abd El-Mageed, M. A. Hafez, and G. A. Ahmed. 2006. Using alternatives to control cucumber powdery mildew under green- and commercial protected-house conditions. Fayum J. Agr. Res. & Dev. 20 (2): 121-138.

Maheshwari, S. K. and L. C. Saini. 1992. Black leg of potato and its control. Agricultural Science Digest (Karnal) 12 (1): 53-54. (c. a. Rev. Plant Pathol. 1995; 74; 349).

Maheswari, C. U. and A. Sankaralingam. 2010. Role of toxin produced by *Alternaria alternata* in leaf blight of watermelon and its degradation by biocontrol agents. Arch. Phytopathol. Plant Prot. 43 (1): 41-50.

Manikandan, R. and T. Raguchander. 2014. *Fusarium oxysporum* f. sp. *lycopersici* retardation through induction of defense response in tomato plants using a luquid formulation of *Pseudomonas fluorescens* (Pf1). Europ. J. Plant Pathol. 140 (3): 469-480.

Manjunath, M. et al. 2010. Biocontrol potential of cyanobacterial metabolites against damping off disease caused by *Pythium aphanidermatum* in solanaceous vegetables. Archives of Phytopathology and Plant Protection 43 (7): 666-677.

Mansour, A. N. 1997. Prevention of mosaic virus diseases of squash with oil spray alone or combined with insecticide or aluminum soil mulch. Dirasat. Agricultural Sciences 24 (2): 146-151.

Marco, S. 1993. Incidence of nonpersistently transmitted viruses in pepper sprayed with whitewash, oil and insecticide, alone or combined. Plant Disease 77 (11): 1119-1122.

Marco, S., O. Ziv, and R. Cohen. 1994. Suppression of powdery mildew in squash by applications of whitewash, clay and antitranspirant materials. Phytopathology 22 (1): 19-29.

Marcucci, E., M. P. Aleandri, G. Chilosi, and P. Magro. 2010. Induced resistance by β-aminobutyric acid in artichoke against white mould caused by *Sclerotinia sclerotiorum* J. Phytopathol. 158: 659-667.

Mari, M., M. Guizzardi, M. Brunelli, and A. Folchi 1996. Postharvest biological control of grey mould (*Botrytis cinerea* Pers.: Fr.) on fresh-market tomatoes with *Bacillus amyloliquefaciens*. Crop Protection 15 (8): 699-705.

Markakis, E. A., S. E. Tjamos, I. Chatzipavlidis, P. P. Antoniou, E. J. Paplomatas. 2008. Evaluation of compost amendments for control of vascular diseases. J. Phytopathol. 156 (10): 622-627.

Marquenie, D. et al. 2002. Inactivation of conidia of *Botrytis cinerea* and *Monilina fructigena* using UV-C and heat treatment. Int. J. Food Microbiol. 74 (1-2): 27-35.

Martin, W. R., Jr. 1997. Using entomopathogenic nematodes to control insects during stand establishement. HortScience 32 (2): 196-198.

Martin, F. N. 2003. Development of alternative strategies for management of soilborne pathogens currently controlled with methyl bromide. Ann. Rev. Phytopathol. 41: 325-350.

Martinez, F., S. Castillo, E. Carmona, and M. Avilés. 2010. Dissemination of *Phytophthora cactorum*, cause of crown rot in strawberry, in open and closed soilless growing systems and the potential for control using slow sand filtration. Sci. Hort. 125 (4): 756-760.

Martinez-Medina, A., J. A. Pascual, E. Lloret, A. Roldán. 2009. Interactions between arbuscular mycorrhizal fungi and *Trichoderma harzinum* and their effects on Fusarium wilt in melon plants grown in seedling nurseries. J. Sci. Food Agr. 89 (11): 1843-1850.

Mashela, P. W., H. A. Shimelis, and F. N. Mudau. 2008. Comparison of the efficacy of ground wild cucumber fruits, aldicarb and fenamiphos on suppression of *Meloiogyne incognita* in tomato. J. Phytopathol. 156 (5): 264-267.

Matheron, M. E. and M. Porchas. 2002. Suppression of Phytophthora root and crown rot on pepper plants treated with Acibenzolar-S-methyl. Plant Disease 86 (3): 292-297.

Matsui, M. 1995. Efficiency of *Encarsia formosa* Gahan in suppressing population density of *Bemisia argentifolii* Bellows & Perring on tomatoes in plastic greenhouse. (In Japanese with English summary). Japanese Journal of Applied Entomology and Zoology 39 (1): 25-31. (c. a. Hort. Abstr. 66: 526; 1996).

Maude, R. B. 1990. Leaf diseases of onions, pp. 173-189. In: H. D. Rabinowitch and J. L. Brewster (eds.). Onions and allied crops. Vol. II Agronomy, biotic interactions, pathology, and crop protection. CRC Press, Inc., Boca Raton, Florida.

Mauromicale, G., A. Lo Monaco, A. M. G. Longo, and A. Restuccia. 2005. Soil solarization, a nonchemical method to control branched broomrape (*Orobanche ramosa*) and improve the yield of greenhouse tomato. Weed Sci. 53 (6): 877-883.

Mayton, H., K. Myers, and W. E. Fry. 2008. Potato late blight in tubers - the role of foliar phosphonate applications in suppressing pre-harvest tuber infections. Crop Protection 27 (6): 943-950.

McAvoy, T., J. H. Freeman, S. L. Rideout, S. M. Olson, and M. L. Paret. 2012. Evaluation of grafting using hybrid rootstocks for management of bacterial wilt in field tomato production. HortScience 47 (5): 621-625.

McCarty II, D. G., S. E. E. Inwood, and B. H. Ownley. 2014. Field evaluation of carbon sources for anaerobic soil disinfestation in tomato and bell pepper production in Tennessee. HorScience 49 (3): 272-280.

McConchie, R., K. McDonald, B Anwaral, and S. C. Morris 2007. Systemic acquired resistance as a strategy for disease management in rockmelon (*Cucumis melo* var. *reticulates*). Acta Hort. No. 731: 205-210.

McGrath, M. T. and N. Shishkoff. 1999. Evaluation of biocompatible products for managing cucurbit powdery mildew. Crop Protection 18 (7): 471-478.

McGrath, M. T. and N. Shishkoff. 2000. Control of cucurbit powdery mildew with JMS Stylet-Oil. Plant Dis. 84 (9): 989-993.

McKay, A. G., R. M. Floyd, and C. J. Boyd. 1992. Phosphonic acid controls downy mildew (*Peronospora parasitica*) in cauliflower curds. Aust. J. Exp. Agr. 32 (1): 127-129.

McLean, K. L. and A. Stewart. 2000. Application strategies for control of onion white rot by fungal antagonists. N. Z. J. Crop Hort. Sci. 28 (2): 115-122.

McQuilken, M. P., J. M. Whipps, and J. M. Lynch. 1994. Effects of water extracts of a composted manure-straw mixture on the plant pathogen *Botrytis cinerea*. World J. Microbiol. Biotechnol. 10 (1): 20-26 (c. a. Rev. Plant Pathol. 1994, 73; 7127).

McKuria, T., P. Blaeser, U. Steiner, and H. W. Dechne. 1999. Bryophytes as a new source of antifungal substances in crop protection, pp. 483-490. In: H. Lyr, P. E. Russell, J. W. Dehne, and H. D. Sisler (eds.). Modern fungicides and antifungal compounds II. Intercept Limited, Andover, UK.

Mednyánszky, Z., A. S. Szabó, and J. Simon. 1994. Effect of synergolux treatment on vegetables during storage. Acta Hort. No. 368: 281-284.

Menzies, J., P. Bowen, D. Ehret, and A. D. M. Glass. 1992. Foliar applications of potassium silicate reduce severity of powdery mildew on cucumber, muskmelon, and zucchini squash. J. Amer. Soc. Hort. Sci. 117 (6): 902-905.

Mercier, J., M. Baka, B. Reddy, R. Corcuff, and J. Arul. 2001. Shortwave ultraviolet irradiation for control of decay caused by *Botrytis cinerea* in bell pepper: induced resistance and germicidal effects. J. Amer. Soc. Hort. Sci. 126 (1): 128-133.

Messiha, N. A. S. et al. 2007. Biological soil disinfestations (BSD), a new control method for potato brown rot, caused by *Ralstonia solanacearum* race 3 biovar 2. Europ. J. Plant Pathol. 117 (4): 403-415.

Miller, J. C., Jr., S. Rajapakse, and R. K. Garber. 1986. Vesicular-arbuscular mycorrhizae in vegetable crops. HortScience 21: 974-984.

Mine, Y., R. Sakiyama, and H. Saka. 2002 Methodological evaluation of slow sand filters on microbe removal and performance of the filtration system against the spread of tomato bacterial wilt in NFT system. (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 71 (1): 107-113. c. a. Rev. Plant Pathol. 81 (9): 8703; 2002.

Mitchell, J., M. Gaskell, R. Smith, C. Fouche, and S. T. Koike. 2000. Soil management and soil quality for organic crops. University of California, Division of Argiculture and Natural Resources. Publication 7248. 5 p.

Mizubuti, E. S. G., V. L. Junior, and G. A. Forbes. 2007. Management of late blight with alternative products. Pest Technology 1 (2): 106-116.

Mohaghegh, P. et al. 2011. Effect of silicon nutrition on oxidative stress induced by *Phytophthora melonis* infection in cucumber. Plant Dis. 95 (4): 455-460.

Molinari, S. amd N. Baser. 2010. Induction of resistance to root-knot nematodes by SAR elicitors in tomato. Crop Prot. 29 (11): 1354-1362.

Molloy, C., L. H. Cheah, and J. P. Koolaard. 2004. Induced resistance against *Sclerotinia sclerotiorum* in carrots treated with enzymatically hydrolysed chitosan. Postharvest Biol. Technol. 32: 61-65.

Monfort, W. S., A. S. Csinos, J. Desaeger, K. Seebold, T. M. Webster, and J. C. Diaz-Perez. 2007. Evaluating *Brassica* species as an alternative control measure for root-knot nematode (*M. incognita*) in Georgia vegetable plasticulture. Crop Protection 26 (9): 1359-1368.

Mosa, A. A. 1997. Effect of foliar application of phosphates on cucumber powdery mildew. Annals of Agricultural Science (Cairo) 42 (1): 241-255.

Mossop, D. W. and C. H. Procter. 1975. Cross protection of glasshouse tomatoes against tobacco mosaic virus. New Zealand Journal of Experimental Agriculture 3 (4): 343-348.

Mukherjee, S. and H. S. Tripathi. 2000. Biological and chemical control of wilt complex of French bean. J. Mycol. Plant Pathol. 30 (3): 380-385.

Mulder, A., L. J. Turkensteen, and A. Bouman. 1992. Perspectives of green-crop-harvesting to control soil-borne and storage of seed potatoes. Netherlands J. Plant Pathol. 98 (2): 103-114.

Mulrooney, R. P. 2008. Rotation periods to control vegetable diseases. Cooperative Extension. University of Delaware. The Internet.

Munoz, Z., A. Moret, and S. Garcés. 2008. Assessment of chitosan for inhibition of *Colletotrichum* sp. on tomatoes and grapes. Crop Prot. 28 (1): 36-40.

Nagendra-Prasad, D., N. Sudhakar, K. Murugesan, and N. Mohan. 2009. Application of ozone on induction of resistance in *Vigna unguiculata* cv. Co 6. against fusarium wilt. Arch. Phytopathol. Plant Prot. 42 (7): 633-642.

Narusaka, Y., M. Narusaka, T. Horio, and H. Ishii. 1999. Comparison of local and systemic induction of acquired disease resistance in cucumber plants treated with benzothiazoles or salicylic acid. Plant and Cell Physiology 40 (4): 388-395.

Narusaka, Y., M. Narusaka, T. Horio, and H. Ishii. 1999. Induction of disease resistance in cucumber by acibenzolar-S-methyl and expression of resistance-related genes. Ann. Phytopathol. Soc. Japan 65 (2): 116-122.

Natwick, E. T. and A. Durazo, III. 1985. Polyester covers protect vegetables from whiteflies and virus disease. Calif. Agr. 39 (7/8): 21-22.

Navi, S. S. and R. Bandyopadhyay. 2002. Biological control of fungal plant pathogens, pp. 354-365. In: J. M. Waller, J. M. Lenné, and S. J. Waller (eds.). Plant pathologist's pocketbook (3rd ed.) CABI Publishing, Wallingford, UK.

Neeraja, C. et al. 2010. Biotechnological approaches to develop bacterial chitinases as a bioshield against fungal diseases of plants. Critical Rev. Biotechnol. 30 (3): 231-241.

Neeta, S., U. Verma, and P. Awasthi. 2006. A combination of the yeast *Candida utilis* and chitosan fruit rot in tomato caused by *Alternaria alternata* (Fr.) Keissler and *Geotrichum candidum* Link ex Pers. J. Hort. Sci. Biotechnol. 81 (6): 1052-1056.

Nega, E., R. Ulrich, S. Werner, and M. Jahn. 2003. 2003 Hot water treatment of vegetable seed - an alternative seed treatment method to control seed borne pathogens in organic farming. J. Plant Dis. Prot. 110 (3): 220-234.

Nelson, N. O. and R. R. Janke. 2007. Phosphorus and management in organic production systems. HortTechnology 17: 442-454.

Neubauer, C. and B. Heitmann. 2014. Biofumigation potential of Brassicaceae cultivars to *Verticillium dahliae*. Europ. J. Plant Pathol. 140 (2): 341-352.

Nielsen, C. J., D. M. Ferrin, and M. E. Stanghellini. 2006. Efficacy of biosurfactants in the management of *Phytophora capsici* on pepper in recirculating hydroponic systems. Canad. J. Plant Pathol. 28 (3): 450-460.

Nihouls, P. 1993. Asynchronous populations of *Phytoseiulus persimilis* Athias - Henriot and effective control of *Tetranychus urticae* Koch on tomatoes under glass. J. Hort. Sci. 68 (4): 581-588.

Nijoroge, S. M. C., M. B. Riley, and A. P. Keinath. 2008. Effect of incorporation of *Brassica* spp. residues on population densities of soilborne microorganisms and on damping-off and fusarium wilt of watermelon. Plant Disease 92 (2): 287-294.

Nisini, P. T., G. Colla, E. Granati, O. Temperini, P. Crino, and F. Saccardo. 2002. Rootstock resistance to fusarium wilt and effect on fruit yield and quality of two muskmelon cultivars. Sci. Hort. 93: 281-288.

Noble, R. and E. Coventry. 2005. Suppression of soil-borne plant diseases with composts: a review. Biocontrol Sci. Technol. 15 (1): 3-20.

Ntirampemba, G., B. E. Langlois, D. D. Archbold, T. R. Hamilton-Kemp, and M. M. Barth. 1998. Microbial populations of *Botrytis cinerea*-inoculated strawberry fruit exposed to four volatile compounds. Journal of Food Protection 61 (10): 1352-1357.

Oberti, D. 1995. Use of slow sand filters and pre-filters in NFT culture of head lettuces. (In French). Revue Horticole Suisse 68 (11/12): 25-36. c. a. Hort. Abstr. 66: Abstr. 8530; 1997.

Oostendorp, M., W. Kunz, B. Dietrich, and T. Staub. 2001. Induced disease resistance in plants by chemicals. Europ. J. Plant Pathol. 107: 19-28.

Ohio State University Extension. 2005. Ohio vegetable production guide 2005. Bulletin 672. 279 p.

Ojha, S. and N. C. Chatterjee. 2011. Mycoparasitism of *Trichoderma* spp. in biocontrol of fusarial wilt of tomato. Arch. Phytopathol. Plant Prot. 44 (8): 771-782.

Oka, Y., R. Offenbach, and S. Pivonia. 2004. Pepper rootstock graft compatibility and response to *Meloidogyne javanica* and *M. incognita*. J. Nematol. 36 (2): 137-141.

Oka, Y., N. Shapira, and P. Fine. 2007. Control of root-knot nematodes in organic farming systems by organic amendments and soil solarization. Crop Protection 26 (10): 1556-1565.

Olivier, C., D. E. Halseth, E. S. G. Mizubuti, and R. Loria. 1998. Postharvest application of organic and inorganic salts for suppression of silver scurf on potato tubers. Plant Dis. 82 (2): 213-217.

Oiliver, C., C. R. MacNeil, and R. Loria. 1999. Application of organic and inorganic salts to field-grown potato tuber can suppress silver scurf during potato storage. Plant Dis. 83 (9): 814-818.

Olivieri, F. P. et al. 2012. Phosphite application induce molecular modifications in potato tuber periderm and cortex that enhance resistance to pathogens. Crop Prot. 32: 1-6.

Olmez, H. and U. Kretzschmar. 2009. Potential alternative disinfection methods for organic fresh-cut industry for minimizing water consumption and environmental impact. Food Sci. Technol. 42 (3): 686- 693.

Omar, S. A., N. A. I. Osman, and A. A. Hanafi. 1996. Controlling white rot disease in onion using alfalfa saponin. Bull. Fac. Agr., Univ. Cairo 47: 319-330.

Ondiaka, S., N. K. Maniania, G. H. N. Nyamasyo, and J. H. Nderitu. 2008. Virulence of the entomopathogenic fungi *Beauveria bassiana* and *Metarhizium anisopliae* to sweet potato weevil *Cylas puncticollis* and effects on fecundity and egg viability. Annals of Applied Biology 153 (1): 41-48.

Ongena, M., A. Giger, P. Jacques, J. Dommes, and P. Thonart. 2002. Study of bacterial determinants involved in the induction of systemic resistance in bean by *Pseudomonas putida* BTP1. Europ. J. Plant Pathol. 108 (3): 187-196.

Oparaeke, A. M., M. C. Dike, and C. I. Amatobi. 2005. Botanical pesticide mixtures for insect pest management on cowpea, *Vigna unguiculata* (L.) Walp plants - 2. The pod borer, *Maruca vitrata* Fab. (Lepidoptera: Pyralidae) and pod sucking bug, *Clavigralla tomentosicollis* Stal (Heteroptera: Coreidae). Agricultura Tropica et Subtropica 38 (2): 33.

Orober, M., J. Siegrist, and H. Buchenauer. 1999. Induction of systemic acquired resistance in cucumber by foliar phosphate application, pp. 339-348. In: H. Lyr, P. E. Russell, H. W. Dehne, and H. D. Sisler (eds). Modern fungicides and antifungal compounds II. Intercept Limited, Andover, UK.

Orober, M., J. Siegrist, and H. Buchenauer. 2002. Mechanisms of phosphate-induced disease resistance in cucumber. Europ. J. Plant Pathol. 108: 345-353.

Oseto, C. Y. 2000. Physical control of insects, pp. 25-100. In: J. E. Rechcigl and N. A. Rechcigl (eds.). Insect pest management. Lewis Publishers, Boca Raton.

OSU, Oklahoma State University. 2014. Mechanical pest controls. Oklahoma Cooperative Extension Service. HLA-6432. 4 p. The Internet.

Ovadia, A., R. Biton, and Y. Cohen. 2000. Induced resistance to downy mildew and fusarium wilt in cucurbits. Acta Hort. No. 510: 55-59.

Owolade, O. F. and D. O. Ogunleti. 2008. Effects of titanium dioxide on the diseases, development and yield of edible cowpea. J. Plant Prot. Res. 48 (3).

Paik, S. P., S. K. Kyumg, J. J. Kim, and Y. S. Oh. 1996. Effect of bioactive substance extracted from *Rheum undulatum* on control of cucumber powdery mildew. Korean J. Plant Pathol. 12 (1): 85-90. c. a. Rev. Plant Pathol. 76 (2): 183; 1997.

Pajot, E., D. le Corre, and D. Silué. 2001. Phytograd and DL-β-amino butyric acid (BABA) induce resistance to downy mildew (*Bremia lactucae*) in lettuce (*Lactuca sativa* L.). Europ. J. Plant Pathol. 107 (9): 861-869.

Pal, K. K. and B. M. Gardener. 2006. Biological control of plant pathogens. The Plant Health Instructor DOI: 10.1094/PHI-A- 2006-1117-02. The Internet. 25 p.

Palmer, C. L., R. K. Horst, and R. W. Langhans. 1997. Use of bicarbonates to inhibit in vitro colony growth of *Botrytis cinerea*. Plant Dis. 81: 1432-1438.

Palti, J. 1981. Cultural practices and infectious crop diseases. Springer-Verlag, Berlin. 243 p.

Pane, C., G. Celano, D. Villecco, and M. Zaccardelli. 2012. Control of *Botrytis cinerea*, *Alternaria alternata* and *Pyrenochaeta lycopersici* on tomato with whey compost-tea applications. Crop Prot. 38: 80-86.

Pavlou, G. C., D. J. Vakalounakis, and E. K. Ligoxigakis. 2002. Control of root and stem rot of cucumber, caused by *Fusarium oxysporum* f. sp. *radicis-cucumerinum*, by grafting onto resistant rootstocks. Plant Dis. 86 (4): 379-382.

Peacock, L. and G. A. Norton. 1990. A critical analysis of organic vegetable crop protection in the U. K. Agriculture. Ecosystems & Environment 31 (3): 187-197.

Pentangelo, A., A. Carboni, G. Grssi, I. Giordano, and A. Ragozzino. 1999. Use of agri-fabric tissue to protect processing tomato from CMV and TSWV. Acta Hort. No. 487: 171-178.

Peralta, L. and L. Hilje. 1993. Intention to control *Bemisia tabaci* on tomato with systemic insecticides incorporated in beans as a trap crop, plus oil applications. (In Spanish with English summary). Manejo Integrado de Plagas No. 30: 21-23. (c. a. Hort. Asbtr. 65: 2195; 1995).

Pereira, J. C. R., G. M. Chaves, L. Zambolim, K. Matsuoka, R. S. Acuna, and F. X. R. do Vale. 1996. Control of *Sclerotium cepirorum* by the use of vermicompost, solarization, *Trichoderma harzianum* and *Bacillus subtilis*. (In Portuguese with English Summary). Summa Phytopathologica 22 (3/4): 228-234. c. a. Rev. Plant Pathol. 77 (2): Abstr. 1267; 1998.

Perring, T., R. Royalty, and C. A. Farrar. 1989. Floating row covers for the exclusion of virus vectors and the effect on disease incidence and yield of cantaloupe. J. Econ. Entomol. 82: 1709-1715.

Perring, T. M., C. A. Farrar, M. J. Blua, H. L. Wang, and D. Gonsalves. 1995. Cross protection of cantaloupe with a mild strain of zucchini yellow mosaic virus: effectiveness and application. Crop Production 14 (7): 601-606.

Pharand, B., O. Carisse, and N. Benhamou. 2002. Cytological aspects of compost-mediated induced resistance against fusarium crown and root rot in tomato. Phytopathology 92 (4): 424-438.

Pieterse, C. M. J. et al. 2001. Rhizobacteria-mediated induced systemic resistance: triggering, signaling and expression. European Journal of Plant Pathology 107: 51-61.

Pill, W. G., C. M. Collins, B. Goldberger, and N. Gregory. 2009. Responses of non-primed or primed seeds of 'Marketmore 76' cucumber (*Cucumis sativus* L.) slurry coated with *Trichoderma* species to planting in growth media infested with *Pythium aphanidermatum*. Sci. Hort. 121 (1): 54-62.

Pinese, B., A. T. Lisle, M. D. Ramsey, K. H. Halfpapp, and S. de Faveri. 1994. Control of aphid-borne papaya ringspot potyvirus in zucchini marrow (*Cucubita pepo*) with reflective mulches and mineral oil-insecticide sprays. International Journal of Plant Manangement 40 (1): 81-87.

Plotto, A., D. D. Roberts, and R. G. Roberts. 2003. Evaluation of plant essential oils as natural postharvest disease control of tomato (*Lycopersicon esculentum*). Acta Hort. No. 628: 737-745.

Polanco, L. R. et al. 2014. Management of anthracnose in common bean by foliar sprays of potassium silicate, sodium molybdate, and fungicide. Plant Dis. 98 (1): 84-89.

Pombo, M. A., H. G. Rosli, G. A. Martinez, and P. M. Civello. 2011. UV-C treatment affects the expression and activity of defense genes in strawberry fruit (*Fragaria* x *ananassa*, Duch). Postharvest Biol. Tehnol. 59: 94-102.

Porras, M., C. Barrau, and F. Romero. 2006. Effects of soil solarization and *Trichoderma* on strawberry production. Crop Protection 26 (5): 782-787.

Porras, M., C. Barrau, F. T. Arroyo, B. Santos, C. Blanco, and F. Romero. 2007. Reduction of *Phytophthora cactorum* in strawberry fields by *Trichoderma* spp. and soil solarization. Plant Dis. 91 (2): 142-146.

Porter, L. D., N. Dasgupta, and D. A. Johnson. 2005. Effects of tuber depth and soil moisture on infection of potato tubers in soil by *Phytophtora infestans*. Plant Dis. 89 (2): 146-152.

Postma, J. et al. 2001. Disease suppressive soilles culture systems; characterization of its microflora. Acta Hort. No. 554: 323-331.

Poverenov, E. et al. 2014. Effects of chitosan-gelatin edible coating on postharvest quality and storability of red bell peppers. Postharvest Biol. Technol. 96: 106-109.

Prekins-Veazie, P. and J. K. Collins. 1995. Strawberry fruit quality and its maintenance in postharvest environments. Adv. Strawberry Res. 14: 1-8.

Premachandra, W. T. S. D., H. Mampitiyarachchi, and L. Ebssa, 2014. Nemato-toxic potential of betel (*Piper betle* L.) (Piperaceae) leaf. Crop Prot. 65: 1-5.

Prithiviraj, B., U. Singh, K. P. Singh, and K. Plank-Schumacher. 1998. Field evaluation of ajoene, a constituent of garlic (*Allium sativum*) and neemazal, a product of neem (*Azadirachta indica*) for the control of powdery mildew (*Erysiphe pisi*) of pea (*Pisum sativum*). Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz 105 (3): 274-278. c. a. Rev. Plant Pathol. 78 (9): 6236, 1999.

Pulitz, T. C. and R. R. Bélanger. 2001. Biological control in greenhouse systems. Ann. Rev. Phytopathol. 39: 103-133.

Pullman, G. S., J. E. De Vay, C. L., Elmore, and W. H. Hart. 1984. Soil solarization: a non-chemical method for controlling diseases and pests. Univ. Calif., Div. Agric. & Nat. Res. Leaflet 21377.8 p.

Pung, H. and S. Cross. 2014. Alternative fungicides for *Sclerotinia* disease control of horticultural crops. Serve-Ag Research Pty Ltd. The Internet.

Punja, Z. K. and R. S. Utkhede. 2003. Using fungi and yeasts to manage vegetable crop diseases. Trends in Biotechnol. 21 (9): 400-407.

Qadir, A. and F. Hashinaga. 2001. Inhibition of postharvest decay of fruits by nitrous oxide. Postharvest Biology and Technology 22: 279-283.

Quarles, W. 2007. Least-toxic controls of plant diseases. Brooklyn Botanic Garden. 8 p. The Internet.

Raj, H. and I. J. Kapoor. 1997. Possible management of Fusarium wilt of tomato by soil amendments with composts. Indian Phytopathology 50 (3): 387-395.

Ramamoorthy, V. and R. Samiyappan. 2001. Induction of defense-related genes in *Pseudomonas fluorescens* - treated chilli plants in response to infection by *Colletotrichum capsici*. J. Mycol. Plant Pathol. 31 (2): 146-155.

Ramammorthy, V., T. Reguchander, and R. Samiyappan. 2002. Induction of defense-related proteins in tomato roots treated with *Pseudomonas fluorescens* Pf1 and *Fusarium oxysporum* f. sp. *lycopersici*. Plant and Soil 239 (1): 55-68.

Ramamoorthy, V., T. Raguchander, and R. Samiyappan. 2002. Enhancing resistance of tomato and hot pepper to Pythium diseases by seed treatment with fluorescent Pseudomonads. Europ. J. Plant Pathol. 108 (5): 429-441.

Ranganna, B., A. C. Kushalappa, and G. S. V. Raghavan. 1997. Ultraviolet irradiance to control dry rot and soft rot of potato in storage. Canad. J. Plant Pathol. 19 (1): 30-35.

Rankin, L. and T. C. Paulitz. 1994. Evaluation of rhizosphere bacteria for greenhouse. (In Spanish with English summary). Horticulture Argentina 14 (37): 44-51. c. a. Rev. Plant Pathol. 76 (10): 8147; 1997.

Rapisarda, C. et al. 2006. UV-absorbing plastic films for the control of *Bemisia tabaci* (Gennadius) and tomato yellow leaf curl disease (TYLCD) in protected cultivations in Sicily (South Italy). Acta Hort. No. 719: 597-604.

Rattink, H. 1993. Biological control of fusarium crown and root rot of tomato on a recirculation substrate system. Mededlingen von de Faculteit Landbouwwetenschappen, Universiteit Gent 58 (3b): 1329-1336. (c. a. Hort. Abstr. 65: 2189, 1995).

Raupach, G. S. and J. W. Kloepper. 1998. Mixtures of plant growth-promoting rhizobacteria enhance biological control of multiple cucumber pathogens. Phytopathology 88 (11): 1158-1164.

Raupach, G. S. and J. W. Kloepper. 2000. Biocontrol of cucumber diseases in the field by plant growth-promoting rhizobateria with and without methyl bromide fumigation. Plant Dis. 84: 1073-1075.

Raupach, G. S., L. Liu, J. F. Murphy, S. Tuzun, and J. W. Kloepper. 1996. induced systemic resistance in cucumber and tomato against cucumber mosaic cucumovirus using plant growth-promoting rhizobacteria (PGPR). Plant Disease 80: 891-894.

Raviv, M. and R. Reuveni. 1998. Fungal photomorphogensis: a basis for the control of foliar diseases using photoselective covering materials for greenhouse. HortScience 33 (6): 925-929.

Reddy, M. V. B., P. Angers, F. Gastaigne, and J. Arul. 2000. Chitosan effects on blackmold rot and pathogenic factors produced by *Alternaria alternata* in postharvest tomatoes. J. Amer. Soc. Hort. Sci. 125 (6): 742-747.

Reitz, S. R., G. Maiorino, S. Olson, R. Sprenkel, A. Crescenzi, and M. T. Momol. 2008. Integrating plant essential oils and kaolin for the sustainable management of thrips and tomato spotted wilt on tomato. Plant Dis. 92 (6): 878-886.

Reuveni, R. and M. Raviv. 1997. Control of downy mildew in greenhouse-grown cucmbers using blue photoselective polyethylene sheets. Plant Disease 81 (9): 999-1004.

Reuveni, M., V. Agapov, and R. Reuveni. 1993. Induction of systemic resistance to powdery mildew and growth increase in cucumber by phosphates. Biological Agriculture & Horticulture 9 (4): 305-315.

Revueni, M., V. Agapov, and R. Reuveni. 1995. Suppression of cucumber powdery mildew (*Sphaerotheca fuliginea*) by foliar sprays of phosphate and potassium salts. Plant Pathology 44 (1): 31-39.

Reuveni, M., V. Agapov, and R. Reuveni. 1996. Controlling powdery mildew caused by *Sphaerotheca fuliginea* in cucumber by foliar sprays of phosphate and potassium salts. Crop Protection 15 (1): 49-53.

Rezende, J. A. M. and D. A. Pacheco. 1998. Control of papaya ringspot virus-type W in zucchini squash by cross-protection in Brazil. Plant Dis. 82: 171-175.

Ribas-Agusti, A. 2013. Effects of different organic anti-fungal treatments on tomato plant productivity and selected nutritional components of tomato fruit. J. Hort. Sci. Biotechnol. 88 (1): 67-72.

Ricárdez-Salinas, M., M. V. Huitrón-Ramirez, J. C. Tello-Marquina, and F. Camacho-Ferre. 2010. Planting density for grafted melon as an alternative to methyl bromide use in Mexico. Sci. Hort. 126 (2): 236-241.

Ristaino, J. B. and W. Thomas. 1997. Agriculture, methyl bromide, and the ozone hole - can we fill the gaps?. Plant Dis. 81 (9): 964-977.

Ristaino, J. B., K. B. Perry, and R. D. Lumsden. 1991. Effect of solarization and *Gliocladium virens* on *Sclerotium rolfsii*, soil microbiota, and the incidence of southern blight of tomato. Phytopathology 81: 1117-1124.

Rivard, C. L. and F. J. Louws. 2008. Grafting to manage soilborne diseases in heirloom tomato production. HortScience 43: 2104-2111.

Rivard, C. L., S. O'Connell, M. M. Peet, and F. J. Louws. 2010. Grafting tomato with interspecific rootstock to manage diseases caused by *Sclerotium rolfsii* and southern root-knot nematode. Plant Dis. 94 (8): 1015-1021.

Rivard, C. L., S. O'Connell, M. M. Peet, R. M. Welker, and F. J. Louws. 2012. Grafting tomato to manage bacterial wilt caused by *Ralstonia solanacearum* in the southeastern United States. Plant Dis. 96 (7): 973-978.

Roberts, P. D. et al. 2008. Evaluation of spray programs containing famoxadone plus cymoxanil, acibenzolar-S-methyl, and *Bacillus subtilis* compared to copper sprays for management of bacterial spot on tomato. Crop Prot. 27 (12): 1519-1526.

Robinson, J. 2007. Insect management. In: vegetable handbook. <http://aggie-horticulture.tamu.edu/extension/veghandbook/chapter6/ch...>.

Rocha, A. B. O., S. L. Honorio, C. L. Messias, M. Oton, and P. A. Gomez. 2015. Effect of UV-C radiation and fluorescent light to control postharvest soft rot in potato seed tubers. Sci. Hort. 181: 174-181.

Rod, J. 1994. The use of soil solarization to control clubroot (*Plasmodiophora brassicae*). Ochrana Rostlin 30 (3): 183-188. (c. a. Rev. Plant Pathol. 1994, 73: 7953).

Rodrigues, F. A. et al. 2010. Foliar spray of potassium silicate on the control of angular leaf spot on beans. J. Plant Nutr. 33 (14): 2082-2093.

Rodriguez, Pérez, A., S. Diaz. Hernándes, and L. Gallo Llobet. 2005. Eradication of *Phytophthora nicotianae* and *Rhizoctonia solani* by double layer solarization in tomato seedbeds. Acta Hort. No. 698: 207-211.

Romero, A. M. and D. F. Ritchie. 2004. Systmic acquired resistance delayes race shifts to major resistance genes in bell pepper. Phytophathology 94: 1376-1382.

Romero, A. M., C. S. Kousik, and D. F. Ritchie. 2001. Resistance to bacterial spot in bell pepper induced by acibenzolar-S-methyl. Plant Dis. 85 (2): 189-194.

Hong, J. C. et al. 2011. Management of bacterial wilt in tomatoes with thymol and acibenzolar-S-methyl. Crop Prot. 30: 1340-1345.

Rosa, E. A. S. and P. M. F. Rodrigues, 1999. Towards a more sustainable agriculture system: the effect of glucosinolates on the control of soil-borne diseases. J. Hort. Sci. Biotechnol. 74 (6): 667-674.

Rui, C. H. and B. Z. Zheng. 1990. Yellow sticky traps combined with a mixture of insecticides for the integrated control of glasshouse whitefly. (In Chinese with English summary). Acta Agriculture Universitatis Pekinensis 16 (4): 429-435 (c. a. Hort. Abstr. 64: 3678; 1994).

Sadif-Zouaoui, N., et al. 2008. Ability of moderately halophilic bacteria to control grey mould disease on tomato fruits. J. Phytopathol. 156 (1): 42-52.

Sahebani, N. and N. Hadavi. 2009. Induction of H_2O_2 and related enzymes in tomato roots infected with root knot nematode (*M. javanica*) by several chemical and microbial elecitors. Biocontrol Science and Technology 19 (3): 301-313.

Saindon, G., H. C. Huang, and G. C. Kozub. 1995. White mold avoidance and agronomic attributes of upright common beans grown at multiple plating densities in narrow rows. J. Amer. Soc. Hort. Sci. 120 (5): 843-847.

Sakata, Y., M. Sugiyama, T. Ohara, and M. Morishita. 2006. Influence of rootstocks on the resistance of grafted cucumber (*Cucumis sativus* L.) scions to powdery mildew (*Podosphaera xanthii* U. Braun & N. Shishkoff). J. Japan. Soc. Hort. Sci. 75 (2): 135-140.

Sakata, Y., O. Takayoshi, and S. Mitsuhiro. 2007. The history and present state of the grafting of cucurbitaceous vegetables in Japan. Acta Hort. No. 731: 159-170.

Saligkarias, I. D., F. T. Gravanis, and H. A. S. Epton. 2002. Biologucal control of *Botrytis cinerea* on tomato plants by the use of epiphytic yeasts *Candida guilliermondii* strains 101 and US 7 and *Candida oleophila* strain 1-182:1 in vivo studies. Biological Control 25 (2): 143-150.

Sameza, M. L. et al. 2014. Potential use of *Eucalyptus globules* essential oil against *Phytophthora colocasiae* the causal agent of taro leaf blight. Europ. J. Plant Pathol. 140 (2): 243-250.

Samuels, A. L., A. D. M. Glass, D. L. Ehret, and J. G. Menzies. 1991. Mobility and deposition of silicon in cucumber plants. Plant, Cell and Environment 14: 485-492.

Samuels, A. L., A. D. M. Glass, D. L. Ehret, and J. G. Menzies. 1993. The effects of silicon supplementation on cucumber fruit: changes in surface characteristics. Ann. Bot. 72 (5): 433-440.

Sánchez-Rojo, S. et al. 2011. Salicylic acid protects potato plants from phytoplasma-associated stress and improves tuber photosynthate assimilation. Amer. J. Potato Res. 88 (2): 175-183.

Sang, M. K., J. G. Kim, and K. D. Kim. 2010. Biocontrol activity and induction of systemic resistance in pepper by compost water extracts against *Phytophthora capsici*. Phytopathology 100 (8): 774-783.

Sang, M. K. et al. 2014. Priming-mediated systemic resistance in cucumber induced by *Pseudomonas azotoformans* GC-B19 and *Paenibacillus elgii* MM-B22 against *Colletotrichum orbiculare*. Phtopathology 104 (8): 834-842.

Sang, M. K., J. D. Kim, B. S. Kim, and K. D. Kim. 2011. Root treatment with rhizobacteria antagonistic to phytophthora blight affects anthracnose occurrence, ripening, and yield of pepper fruit in the plastic house and field. Phytopathology 101 (6): 666-678.

Sariah, M. and K. Tanaka. 1995. Effect of flooding on the viability and pathogenicity of sclerotia of *Sclerotium rolfsii* in Malaysian soil. International Journal of Pest Management 41 (2): 97-99.

Saucke, H. et al. 2009. Effect of sowing date and straw mulch on virus incidence and aphid infestation in organically grown faba beans (*Vicia faba*). Ann Appl. Biol. 154 (2): 239-250.

Saxena, G. 2004. Biocontrol of nematode-borne diseases in vegetable crops, pp. 397-450. In: K. G. Mukerji (ed.). Disease management of fruits and vegetables. Vol. 1. Fruit and vegetable diseases. Kluwer Academic Publishers, Dordrecht, the Netherlands.

Sayama, H., T. Sato, M. Kominato, T. Natsuaki, and J. M. Kaper. 1993. Field testing of a satellite-containing attenuated strain of cucumber mosaic virus for tomato protection in Japan. Phytopathology 83: 405-410.

Scherf, A., J. Treutwein, H. Kleeberg, and A. Schmitt. 2012. Efficacy of leaf extract fractions of *Glycyrrhiza glabra* L. against downy mildew of cucumber (*Pseudoperonospora cubensis*). Europ. J. Plant Pathol. 134 (4): 755-762.

Schisler, D. A., P. J. Slininger, G. Kleinkopf, R. J. Bothast, and R. C. Ostrowski. 2000. Biological control of Fusarium dry rot of potao tubers under commercial storage conditions. Amer. J. Potato Res. 77 (1): 29-40.

Schisler, D. A., P. J. Slininger, R. W. Behle, and M. A. Jackson. 2004. Formulation of *Bacillus* spp. for biological control of plant disease. Phytopathology 94: 1267-1271.

Schuerell, S. J. and W. F. Mahaffee. 2004. Compost tea as a container medium drench for suppressing seedling damping-off caused by *Pythium ultimum*. Phytophathology 94: 1156-1163.

Schuerger, A. C. and C. S. Brown. 1997. Spectral quality affects disease development of three pathogens on hydroponically grown plants. HortScience 32 (1): 96-100.

Schwartzkopf, S. H., D. Dudzinski, and R. S. Minners. 1987. The effects of nutrient solution sterilization on the growth and yield of hydroponically grown lettuce. HortScience 22: 873-874.

Sclar, D. C., D. Greace, A. Tupy, K. Wilson, S. A. Spriggs, R. J. Bishop, and W. A. Cranshaw. 1999. Effects of application of various reduced-risk pesticides to tomato with notes on control of greenhouse whitefly. HortTechnology 9 (2): 185-189.

Semisi, S. T., T. Mauga, and E. Chan. 1998. Control of the leaf blight disease, *Phytophthora colocasiae* Racib in taro *Colocasiae esculenta* (L.) Schott with phosphorous acid. J. South Pacific Agric. 5 (1): 77-83.

Sewify, G. H., S. Abol-Ela, and M. S. Eldin. 2000. Effect of the entomopathogenic fungus *Metarhizium anisopliae* (Metsch.) and granulosis virus (GV) combinations on the potato tuber moth *Phthorimaea operculella* (Zeller) (Lepidoptera: Celechidae). Bul. Fac. Agric., Cairo Univ. 51: 95-106.

Shalaby, F. F., A. A. Abdel-Gawad, A. M. El-Sayed, and M. R. Abo-El-Ghar. 1990. Natural role of *Eretmocerus mundus* Mercet and *Prospaltella lutea* Masi on populations of *Bemisia tabaci* Genn. Agric. Res. Rev. 68 (1): 197-208.

Sharaf, N. S. and T. F. Allawi. 1981. Control of *Bemisia tabaci* Genn., a vector of tomato yellow leaf curl virus disease in Jordon. Zeitschrift fur Pflanznkrankheken und Pflanzenschutz 88: 123-131. (c. a. Hort. Abstr. 51: 7025, 1981).

Sharma, P. 2011. Evaluation of disease control and plant growth promotion potential of biocontrol agents on *Pisum sativum* and comparison of their activity with popular chemical control agent - carbendazim. Journal of Toxicology and Environmental Health Sciences 3 (5): 127-138.

Sharma, P. 2002. Induction of systemic resistance in cauliflower to downy mildew by exogenous application of plant activator. Ann. Plant Prot. Sci. 10 (1): 99-102.

Sharma, M. P., A. Gaur, Tanu, and O. P. Sharma. 2004. Prospects of arbuscular mycorrhiza in sustainable management of root - and soil-borne diseases of vegetable crops, pp. 501-539. In: K G. Mukerji (ed.) Kluwer Academic Publishers, Dordrecht, The Netherlands.

Sharma, M. P., A. N. Sharma, and S. S. Hussaini. 2011. Entomopathogenic nematodes, a potential microbial biopesticide: mass production and commercialization status – a mini review. Arch. Phytopathol. Plant Prot. 44 (9): 855-870.

Shim, H. S. et al. 1998. Studies on the inhibition of plant disease using ultraviolet-absorbing vinyl film. (In Korean with English summary). RDA J. Crop Prot. 40 (2): 46-49.

Shimada, T. 1994. Control of the sweetpotato whitefly, *Bemisia tabaci* (Gennadius), using vinyl films that absorb ultraviolet. (In Japanese with English summary). Proc. Kanto-Tosan Plant Prot. Soc. No. 41: 213-216. c. a. Hort. Abstr. 66: Abstr. 1456; 1996.

Sholberg. P. L. and A. P. Gaunce. 1995. Fumigation of fruit with acetic acid to prevent postharvest decay. HortScience 30 (6): 1271-1275.

Shoresh, M., I. Yedidia, and I. Chet. 2005. Involvement of jasmonic acid/ethylene signaling pathway in the systemic resistance induced in cucumber by *Trichoderma asperellum* T203. Phytopathology 95: 76-84.

Siddiqui, I. A. and S. Ehteshamul-Haque. 2000. Use of *Pseudomonas aeruginosa* for the control of root rot-root knot disease complex in tomato. Nematol. Medit. 28: 189-192.

Siddiqui, Y., S. Meon, R. Ismail, M. Rhamani, and A. Ali. 2008. Bio-efficiency of compost extracts on the wet rot incidence, morphological and physiological growth of okra (*Abelmoschus esculentus* [(L.) Moench]). Scientia Horticulture 117 (1): 9-14.

Siddiqui, Z. A., A. Qureshi, and M. S. Akhtar. 2009. Biocontrol of root-knot nematode *Meloidogyne incognita* by *Pseudononas* and *Bacillus* isolates on *Pisum sativum*. Archives of Phytopathology and Plant Protection 42 (12): 1154-1164.

Silué, D., E. Pajot, and Y. Cohen. 2002. Induction of resistance to downy mildew (*Peronospora parasitica*) in cauliflower by DL-β-amino-n-butanoic acid (BABA). Plant Pathol. 51 (1): 97-102.

Silva-Aguayo, G. and R. E. Cancelado. 2006. Botanical insecticides. In: Radcliffe's IPM world textbook, University of Minnesota. The Internet.

Silva, H. S. A. et al. 2004. Induction of systemic resistance by *Bacillus cereus* against tomato foliar diseases under field conditions. J. Phytopathol. 152 (6): 371-375.

Singh, H. B. and A. K. Handique. 1997. Antifungal Activity of the essential oil of *Hyptis suaveolens* and its efficacy in biocontrol measures in combination with *Trchoderma harzianum*. Journal of Essential oil Research 9 (6): 683-687.

Singh, P. and Z. A. Siddiqui. 2010. Biocontrol of root-knot nematode *Meloidogyne incognita* by the isolates of *Bacillus* on tomato. Archives of Phytopathology and Plant Prtection 43 (6): 552-561.

Singh, P. and Z. A. Siddiqui. 2010. Biocontrol of root-knot nematode *Meloidogyne incognita* by the isolates of *Pseudomonas* on tomato. Arch. Phytopathol. Plant Prot. 43 (14): 1423-1434.

Singh, D. P. et al. 2010. Exogenous application of L-phenylalanine and ferulic acid enhance phenylalanine ammonia lyase activity and accumulation of phenolic acids in pea (*Pisum sativum*) to offer protection against *Erysiphe pisi*. Arch. Phytopathol. Plant Prot. 43 (15): 1454-1462.

Sivakumar, D. and S. Bautista-Baños. 2014. A. review on the use of essential oils for postharvest decay control and maintenance of fruit quality during storage. Crop Prot. 64: 27-37.

Slusarenko, A. J., A. Patel, and D. Portz. 2008. Control of plant diseases by natural products: Allicin from garlic as a case study, pp. 313-322. In: Sustainble disease management in a European context. The Internet.

Slusarski, C. and S. J. Pietr. 2009. Combined application of dazomet and *Trichoderma asperellum* as an efficient alternative to methyl bromide in controlling the soil- borne disease complex of bell pepper. Crop Prot. 28 (8): 668-674.

Smid, E. J., L. Hendriks, H. A. M. Boerrigter, and L. G. M. Gorris. 1996. surface disinfection of tomatoes using the natural plant compound trans-cinnamaldehyde. Postharvest Biology and Technology 9 (3): 343-350.

Smith, K. M. 1977. Plant viruses. (6th ed.) Chapman and Hall. London, 241 p.

Smolinska, U., M. J. Morra, G. R. Knudsen, and R. L. James. 2003. Isothiocyanates produced by Brassicaceae species as inhibitors of *Fusarium oxysporum*. Plant Dis. 87(4): 407-412.

Smolinska, U., B. Kowalska, and M. Oskiera. 2007. The effectivity of *Trichoderma strains* in the protection of cucumber and lettuce against *Rhizoctonia solani*. Veg. Crop Res. Bul (Warsaw) 67: 81-93.

Someya, N. et al. 2007. Combined application of *Pseudomonas fluorescens* strain LRB_3W1 with a low dosage of benomyl for control of cabbage yellows caused by *Fusarium oxysporum* f. sp. *conglutinans*. Biocontrol Sci. Technol. 17 (1): 21-31.

Soylu, S., M. Soylu, S. Kurt, and D. K. Ekici. 2005. Antagonistic potentials of rhizosphere-associated bacterial isolates against soil-borne diseases of tomato and pepper caused by *Sclerotinia sclerotiorum* and *Rhizoctonia solani*. Pakistan J. Biol. Sci. 8 (1): 43-48.

Soylu, E. M., S. Soylu, and S. Kurt. 2006. Antinicrobial activities of the essential oils of various plants against tomato late blitght disease agent *Phtophthora infestans*. Mycopathologia 161 (2): 119-128.

Soylu, E. M., S. Kurt, and S. Soylu. 2010. *In vitro* and *in vivo* antifungal activities of the essential oils of various plants against tomato grey mould disease agent *Botrytis cinerea*. International J. Food Microbiol. 143 (3): 183-189.

Spadaro, D. and M. L. Gullino. 2004. State of the art and future prospects of the biological control of postharvest fruit diseases. International J. Food Microbiol. 91 (2): 185-194.

Spence, N. J., A. Mead, A. Miller, E. D. Shaw, and D. G. A. Walkey. 1996. The effect on yield in courgette and marrow of the mild strain of zucchini yellow mosaic virus used for cross-protection. Annals of Applied Biology 129 (2): 247-259.

Spletzer, M. E. and A. J. Enyedi. 1999. Salicylic acid induces resistance to *Alternaria solani* in hydroponically grown tomato. Phytopathology 89 (9): 722-727.

Stanghellini, M. E. and R. M. Miller. 1997. Biosurfactants: their identity and potential efficacy in the biological control of zoospore plant pathogens. Plant Dis. 81 (1): 4-12.

Sterk, G., K. Bolckmans, and J. Eyal. 1996. A new microbial insecticide, *Paecilomyces fumosoroseus* strain Apoka 97, for the control of the greenhouse whitefly, pp. 461-466. In: Brighton Cop Protection Conference: Pests & Diseases. Vol. 2. British Crop Protection Council, Farnham, UK.

Stevens, C., V. Khan, M. A. Wilson, J. Brown, and A. Y. Tang. 1988a. Control of southern blight in bell peppers by soil solarization. (Abstr.). HortScience 23: 830-831.

Stevens, C., V. Khan, A. Y. Tang, and C. Bonsi. 1988b. The effect of soil solarization on growth response and root knot damage of sweet potato. (Abstr.) HortScience 23: 827.

Stevens, C., V. Khan, A. Y. Tang, and M. A. Wilson. 1988c. The effect of soil solarization on earliness and yield of cabbage and broccoli. (Abstr.). HortScience 23: 829.

Stevens, C. et al. 1999. Induced resistance of sweet potato to fusarium root rot by UV-C rays. Crop Protection 18 (7): 463-470.

Sticher, L., B. Mauch-Mani, and J. P. Métraux. 1997. Systemic acquired resistance. Ann. Rev. Phytopathol. 35: 235-270.

Stone, A. G., G. E. Vallad, L. R. Cooperband, D. Rotenberg, H. M. Darby, R. V. James, W. R. Stevenson, and R. M. Goodman. 2003. Effect of organic amendments on soilborne and foliar diseases in field-grown snap bean and cucumber. Plant Dis. 87 (9): 1037-1042.

Strobel, N. E., C. Ji, S. Gopalan, J. A. Kuc, and S. Y. He. 1996. Introduction of systemic acquired resistance in cucumber by *Pseudomonas syrinagae* pv. *syringae* 61 $HrpZ_{pss}$ protein. Plant Journal 9 (4): 431-439.

Suarez-Estrella, F., C. Vargas-Garcia, M. J. Lopez, C. Capel, and J. Moreno. 2007. Antagonistic activity of bacteria and fungi from horticultural compost against *Fusarium oxysporum* f. sp. *melonis*. Crop Protection 26 (1): 46-53.

Subbarao, K. V. and J. C. Hubbard. 1996. Interactive effects of broccoli residue and temperature on *Verticillium dahliae* microsclerotia in soil and on wilt in cauliflower. Phytopathlology 86 (12): 1303-1310.

Sudha, A. and P. Lakshmanan. 2009. Integrated disease management of powdery mildew (*Leveillula taurica* (Lev.) Arn.) of chilli (*Capsicum annuum* L.). Arch. Phytopathol. Plant Prot. 42 (4): 299-317.

Suleiman, M. N. and S. A. Emua. 2009. Efficacy of four plant extracts in the control of root rot disease of cowpea (*Vigna unguiculata* [L.] Walp.) African J. Biochem. 8 (16): 3806-3808.

Sultana, V., J. Ara, and S. Ehteshamul-Haque. 2008. Suppression of root rotting fungi and root knot nematode of chili by seaweed and *Pseudononas aeruginosa*. J. Phytopathol. 156 (7-8): 390-395.

Summers, C. G., J. J. Stapleton, A. S. Newton, R. A. Duncan, and D. Hart. 1995. Comparison of sprayable and film mulches in delaying the onset of aphid-transmitted virus diseases in zucchini squash. Plant Dis. 79 (11): 1126-1131.

Suthaparan, A. et al. 2014. Suppression of cucumber powdery mildew by supplemental UV-B radiation in greenhouses can be augmented or reduced by background radiation quality. Plant Dis. 98 (10): 1349-1357.

Sutton, J. C. et al. 1997. A versatile adversary of *Botrytis cinerea* in crops. Plant Disease 81 (41): 319-328.

Takeshita, M. et al. 2013. Induction of antiviral responses by acibenzolar-S-methyl against cucurbit chlorotic yellows virus in melon. Phytopathology 103 (9): 960-965.

Talavera, M., K. Itou, and T. Mizukubo. 2002. Combined application of *Glomus* sp. and *Pasteuria penetrans* for reducing *Meloidogyne incognita* (Tylenchida: Meloidogynidae) populations and improving tomato growth. Appl. Entomol. Zool. 37 (1): 61-67.

Tamietti, G. and D. Valentino. 2001. Soil solarization: a useful tool for control of verticillium wilt and weeds in eggplant crops under plastic in the Po Valley. J. Plant Pathol. 83 (3): 173-180.

Tanaka, S. et al. 2000. Effect of nitrogen concentrations of nutrient solution on the occurrence and development of downy mildew in susceptible and resistant cucumber cultivars. (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 69 (3): 339-345. c. a. Rev. Plant Pathol. 79 (12): 8928; 2000.

Tanaka, S., T. Ito, Y. Ochi, Y. Someya, and T. Hirabayashi. 2002. Effect of osmotic pressure and calcium concentration of nutrient solution on lesion development in downy mildew-susceptile and resistant cucumber cultivars. (In Japanese with English summary). J. Jap. Soc. Hort. Sci. 71 (3): 405-410. c. a. Rev. Plant Pathol. 81 (11): Abstr. 11324; 2002.

Tanis, C. 1991. Research on cucumbers, silicon does indeed increase yield. Groenten + Fruit, Glasgroenten 1 (42): 40-41. (c. a. Hort. Abstr. 63: 7536; 1993).

Terry, L. A. and D. C. Joyce. 2004. Elicitors of induced disease resistance in postharvest horticultural crops: a brief review. Postharvest Biology and Technology 32: 1-13.

Thao, H. T. B. and T. Yamakawa. 2009. Phosphite (phosphorous acid): fungicide, fertilizer or bio-stimulator? . Soil Sci. Plant Nutr. 55 (2): 228-234.

Thao, H. T. B., T. Yamakawa, A. K. Myint, and P. S. Sarr. 2008. Effects of phosphite, a reduced form of phosphate, on the growth and phosphorous nutrition of spinach (*Spinacia oleracea* L.). Soil Sci. Plant Nutr. 54 (5): 761-768.

Thies, J. A., J. D. Mueller, and R. L. Fery. 1998. Use of a resistant pepper as a rotational crop to manage southern root-knot nematode. HortScience 33 (4): 716-718.

Titone, P., Q. Migheli, M. Acutis, and A. Garibaldi. 1998. Potassium monophosphate in the control of powdery mildew on zucchini. (In Italian with English summary). Colture Protette 27 (4): 73-79. c. a. Rev. Plant Pathol. 77 (10): 8427; 1998.

Tomlinson, J. A. and B. J. Thomas. 1986. Studies on melon necrotic spot virus disease of cucumber and the control of the fungus vector (*Olpidium radicale*). Annals of Applied Biology 108 (1): 71-80.

Torres-Barragán, A., E. Zavaleta-Mejia, C. González-Cháves, and R. Ferrera-Cerrato. 1996. The use of arbuscular mycorrhizae to control onion white rot (*Sclerotium cepivorum* Berk.) under field conditions Mycorrhiza 6 (4): 253-257.

Tozlu, E. et al. 2011. Chemical compositions and insecticidal effects of essential oils insolated from *Achillea gypsicola*, *Satureja hortensis*, *Origanun acutidens* and *Hypericum scabrum* against broadbean weevil (*Bruchus dentipes*). Sci. Hort. 130: 9-17.

Treder, W. and G. Cieslinski. 2005. Effect of silicon application on cadmium uptake and distribution in strawberry plants grown on contaminated soil. J. Plant Nutr. 28 (6): 917-929.

Trionfetti Nisini, P., A. Buzi, E. Granati, G. Chilosi, P. Crino, and P. Magro. 2000. Screening for resistance to *Didymella bryoniae* in rootstocls of melon. Bulletin OEPP 30 (2): 231-234.

Tripathi, P. and N. K. Dubey. 2004. Exploitation of natural products as an alternative strategy to control postharvest fungal rotting of fruit and vegetables. Postharvest Biology and Technology 32: 235-245.

Tsror, L. 1999. Biological control of early blight in tomatoes. Acta Hort. No. 487: 271-273.

Tsuda, K., Y. Kosaka, S. Tsuge, Y. Kubo, and O. Horino. 2001. Evaluation of the endophyte *Entrobacter cloacae* SM10 isolated from spinach roots for biological control against fusarium wilt of spinach. J. Gen. Plant Pathol. 67 (1): 78-84.

Tu, J. C. and B. Harwood. 2005. Disinfestation of circulating nutrient solution by filtration as a means to control *Pythium* root rot of tomatoes. Acta Hort. No. 695: 303-308.

Tzeng, D. D. S., H. C. Tzeng, R. S. Chen, A. H. Cheng, C. C. Tsai, C. W. Chen, T. C. Hwang, Y. Yeh, and J. E. DeVay. 1996. The use of MR formulation as a novel and environmentally safe photodynamic fungicide for the control of powdery mildews. Crop Prot. 15 (4): 341-347.

Tziros, G. T., A. L. Lagopodi, and K. Tzavella-Klonari. 2007. Reduction of fusarium wilt in watermelon by *Pseudomonas chlororaphis* PCL1391 and *P. fluorescens* WCS365. Phytopathol. Mediterr. 46: 320-323.

Tzortzakis, N. G. 2007. Methyl jasmonate-induced suppression of anthracnose rot in tomato fruit. Crop Protection 26 (10): 1507-1513.

Tzortzakis, N., I. Singleton, and J. Barnes. 2008. Impact of low-level atmospheric ozone-enrichment on black spot and anthracnose rot of tomato fruit. Postharvest Biology and Technology 47 (1): 1-9.

Ugolini, L., C. Martini, L. Lazzeri, L. D'Avino, and M. Mari. 2014. Control of postharvest grey mould (*Botrytis cinerea* Per: Fr.) on strawberries by glucosinolate-derived allyl-isothiocyanate treatments. Postharvest Biol. Technol. 90: 34-39.

Umamaheswari, C., A. Sankaralingam, and P. Nallathambi. 2009. Induced systemic resistance in watermelon by biocontrol agents againset *Alternaria alternata*. Archives of Phytopathology and Plant Protection 42 (12): 1187-1195.

Umesh, K. C., J. Valencia, C. Hurley, W. D. Gubler, and B. W. Falk. 1995. Stylet oil provides limited control of aphid-transmitted viruses in melons. California Agriculture 49 (3): 22-24.

Uppal, A. K., A. El Hadrami, L. R. Adam, M. Tenuta, and F. Daayf. 2008. Biological control of potato Verticillium wilt under controlled and field conditions using selected bacterial antagonists and plant extracts. Biol. Cont. 44 (1): 90-100.

Urquhart, E. J. and Z. K. Punja. 1997. Epiphytic growth and survival of *Tilletiopsis pallescens*, a potential biological control agent of *Sphaerotheca fuliginea*, on cucumber leaves. Canad. J. Bot. 75 (6): 892-901.

USEPA, Inited States Environmental protection agency. 1997. Innovative uses of compost: disease control for plants and animals. EPA530-F-97-044. 4 p. The Internet.

Utkhede, R., C. Bogdanoff, and J. McNevin. 2001. Effects of biological and chemical treatments on *Botrytis* stem canker and fruit yield of tomato under greenhouse conditions. Canadian J. Plant Pathol. 23 (3): 253-259.

Utkhede, R. S., C. A. Lévesque, and D. Dinch. 2002. *Pythium aphanidermatum* root rot in hydroponically grown lettuce and the effect of chemical and biological agents on its control. Canad. J. Plant Pathol. 22 (2): 138-144.

Vakalounakis, D. J. 1992. Control of fungal diseases of greenhouse tomato under long-wave infrared-absorbing plastic film. Plant Dis. 76: 43-46.

Valsov, Yu. I., T. A. Yakutkina, and S. V. Balaeva. 1974. Studies on protective inoculation of tomatoes against virus diseases in the Leningrad region (In Russian). Trudy Vsesoyuznogo Nauchno-Issledovatel-Skogo Instituta Zashcsit Vsz□.□(s)NzWC4zc