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#### **PUBLICATIONS**

## Book

Pernezny, K., Roberts, P., **Murphy, J.F.**, and Goldberg, N. 2003. *Compendium of Pepper Diseases*. American Phytopathological Society Press, St. Paul, MN. This compendium provides a comprehensive presentation of the important pepper diseases of the world. The book contains 122 color photographs and thorough descriptions of pathogens of pepper. The plant disease compendia are valuable references for scientists and diagnosticians for identification of plant diseases, an introduction to the pathogen, its disease cycle and management strategies.

Note that I am an author on three "chapters" in this book:

Murphy, J.F., and Warren, C.E. Plant virus diseases, pages 23-25.

**Murphy, J.F.** Cucumber mosaic virus, pages 29-31.

**Murphy**, **J.F.**, and Zitter, T.A. *Pepper mottle virus*, pages 33-34.

## **Book chapters and review articles**

**Murphy, J.F.** 2006. Applied aspects of induced resistance to plant virus infection. In: Natural Resistance Mechanisms Of Plants To Viruses. Chapter A1, pages 1-11. Springer Publishing, Netherlands. Editors: G. Loebenstein and J.P. Carr. 532 pages.

Sikora, E.J., and **Murphy**, **J.F.** 2005. Identification and management of *Cucumber mosaic virus* in Alabama. *Acta Horticulturae* 695:191-194.

Zehnder, G.W., **Murphy, J.F.**, Sikora, E. and Kloepper, J.W. 2001. Application of rhizobacteria for induced resistance. *European Journal of Plant Pathology* 107:39-50.

Zehnder, G.W., Yao, C., **Murphy, J.F.**, Sikora, E., Kloepper, J.W., Schuster, D., and Polston, J. 1999. Microbe-induced resistance against pathogens and herbivores: Evidence for effectiveness in agriculture. Pages 335-355. In: Induced Plant Defenses Against Pathogens and Herbivores: Biochemistry, Ecology, and Agriculture. APS Press, St. Paul, MN. Eds. A.A. Agrawal, S. Tuzun, and E. Bent.

Zehnder, G.W., Yao, C., **Murphy, J.F.**, Sikora, E., and Kloepper, J.W. 1998. Microbe-induced resistance in tomato against cucumber mosaic virus. Pages 416-424. In: Pest Management-Future Challenges. A proceedings of the Sixth Australasian Applied Entomological Research Conference, University of Queensland Printery, Brisbane. M.P. Zalucki, R.A.I. Drew and G.C. White, Eds.

Zehnder, G.W., Yao, C., **Murphy, J.F.**, Sikora, E., Kloepper, J.W., Schuster, D.J., and Polston, J.E. 1998. Microbe-induced resistance: A novel strategy for control of insect-transmitted diseases in vegetables. In: Radcliffe's IPM World Textbook, URL:http://ipmworld.umn.edu, University of Minnesota, St. Paul, MN.

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- Yao, C.B., Zehnder, G.W., **Murphy, J.F.,** and Kloepper, J.W. 1997. Evaluation of induced systemic resistance and plant growth promotion in tomato with selected PGPR strains. Pages 285-288. In: Plant Growth-Promoting Rhizobacteria: Present status and future prospects. Eds. Ogoshi, A., Kobayashi, K., Homma, Y., Kodama, F., Kondo, N., and Akino, S.
- Backman, P.A., Wilson, M., and **Murphy, J.F.** 1997. Bacteria for biological control of plant diseases. Chapter 4, pages 95-109. In: Environmentally Safe Approaches To Crop Disease Control. CRC Press. Eds. N.A. Rechcigl and J.E. Rechcigl..
- Kloepper, J.W., Zehnder, G.W., Tuzun, S., **Murphy, J.F.**, Wei, G., Yao, C., and Raupach, G. 1996. Toward agricultural implementation of PGPR-mediated induced systemic resistance against crop pests. Page 165- 174. Advances In Biological Control Of Plant Diseases. China Agricultural University Press. Eds. Wenhua, T., Cook, R.J., and Rovira, A.

### **Refereed articles**

- Perez, K., Yeam, I., Kang, B-C., Ripoll, D.R., Kim, J., **Murphy, J.F.**, and Jahn, M.M. 2012. *Tobacco etch virus* infectivity in *Capsicum* spp. is determined by a maximum of three amino acids in the viral virulence determinant VPg. *Molecular Plant-Microbe Interactions* 25:1562-1573.
- Hadi, B.A.R., Flanders, K.L., Bowen, K.L., **Murphy, J.F.**, and Blount, A.R. 2012. Survey of *Barley Yellow Dwarf Virus* and *Cereal Yellow Dwarf Virus* on Three Perennial Pasture Grasses in Florida. *Journal of Entomological Science* 47:35-43.
- Velasquez, N., **Murphy, J.F.**, and Suh, S-J. 2012. Electroporetic transfection of pepper protoplasts with plant Potyviruses. *Journal of Virological Methods* 179:154-160.
- Sikora, E.J., **Murphy, J.F.,** Lawrence, K.S., and Mullen, J.M. 2011. Survey of fungal, nematode and virus diseases of soybean in Alabama. *Plant Health Progress* doi:10.1094/PHP-2011-1227-01-RS
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- Croxton, S.D., Foshee, III, W.G., Blythe, E.K., **Murphy, J.F.** and Sibley, J.L. 2011. Evaluation of selected tempera paints applied to tomatoes to reduce the occurrence of *Tomato spotted wilt virus*. *International Journal of Vegetable Science* 17:177-189.
- Ma, X., Coneva, E., Fadamiro, H., **Murphy, J.F.**, Ray, C., and Dane, F. 2010. Seasonal Occurrence and Abundance of Sharpshooter Leafhoppers in Alabama Orchards and Vineyards. *International Journal of Fruit Science* 10:341–354.
- Coneva, E., Murphy, J.F., Boozer, R., and Velasquez, N. 2010. Incidence and Distribution of Viruses in Blackberry (Rubus sp.) in Alabama. *International Journal of Fruit Science* 10:87-95.
- **Murphy**, **J.F.**, and Dane, F. 2009. Evaluation of fungal resistant watermelon genotypes of the southeastern United States for their response to virus inoculation. *HortTechnology* 19:609-612.
- Mazourek, M., Moriarty, G., Glos, M., Fink, M., Kreitinger, M., Henderson, E., Palmer, G., Chickering, A., Myers, J.R., Rumore, D.L., **Murphy, J.F.**, Kramer, C., Jahn, M. 2009. 'Peacework': An early red bell pepper for organic systems with *Cucumber mosaic virus* resistance. *HortScience* 44:1464-1467.
- Zitter, T.A., and **Murphy, J.F.** 2009. APSnet Plant Disease Lessons: Cucumber mosaic. Published on-line at: <a href="http://www.apsnet.org/education/LessonsPlantPath/Top.html">http://www.apsnet.org/education/LessonsPlantPath/Top.html</a>. {refereed on-line lesson published through the American Phytopathological Society}
- **Murphy, J.F.**, Masiri, J., and Eubanks, M.D. 2009. Reflective plastic mulch but not biological control reduced *Watermelon mosaic virus* incidence and yield losses in squash. *International Journal of Vegetable Science* 15:3-12.
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- Coppler, L.B., **Murphy**, **J.F.**, and Eubanks, M.D. 2007. Red imported fire ants (Hymenoptera: Formicidae) increase the abundance of aphids in tomato. *Florida Entomologist* 90:419-425.
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- **Murphy, J.F.**, 2002. The relationship between virus source leaf and spread of infection through the stem of *Capsicum* sp. *Archives of Virology* 147:1789-1797.

- Sikora, E.J., Kemble, J., Zehnder, G.W., Goodman, R., Andrianifahanana, M., Bauske, E., and **Murphy, J.F.** 2002. Using on-farm demonstrations to promote integrated pest management practices in tomato production. *Hortechnology* 12:485-488.
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- Raupach, G.S., Liu, L., **Murphy, J.F.**, Tuzun, S., and Kloepper, J.W. 1996. Induced systemic resistance against cucumber mosaic cucumovirus using plant growth-promoting rhizobacteria (PGPR). *Plant Disease* 80:891-894.
- **Murphy, J.F.**, and Kyle, M.M. 1995. Alleviation of restricted systemic spread of pepper mottle potyvirus in *Capsicum annuum* cv. Avelar by coinfection with a cucumovirus. *Phytopathology* 85:561-566.
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### Plant Disease Note (a brief, refereed publication)

Coneva, E., **Murphy**, **J.F.**, Boozer, R. and Velasquez, N. 2008. First report of *Tobacco ringspot virus* in blackberry (*Rubus* L.) in Alabama. *Plant Disease* 92:1708

Sikora, E.J., and **Murphy, J.F.** 2004. First report of *Bean pod mottle virus* in soybean in Alabama. *Plant Disease Note* 89:108.

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## **Alabama Cooperative Extension System**

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Flanders, K., Herbert, A., Buntin, D., Johnson, D., Bowen, K., **Murphy, J.F.**, Chapin, J., and Hagan, A. 2006. Barley yellow dwarf in small grains in the Southeast. Alabama Cooperative Extension System Circular ANR-1082.

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# **Alabama Agricultural Experiment Station Publications**

**Murphy, J.F.**, Li, R., Kemble, J.M., Baltikauski, M., Porch, D., Gray, G., and Beauchamp, R.R. 2000. Viruses identified in commercial pumpkin and watermelon. *Highlights of Agricultural Research*, *Auburn University* 47:7-9.

**Murphy, J.F.**, Sikora, E., Slack, S., Guerini, M., Tapley, L. and Tunnell, E. 1999. Identification of six viruses infecting Irish potato in Alabama. *Highlights of Agricultural Research, Auburn University* 46:3-4.

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## **Proceedings**

**Murphy, J.F.**, and Eubanks, M.D. 2006. Integration of biological and plastic mulches to mantage Watermelon mosaic virus in squash. Cucurbitaceae Proceedings, pages 492-497.

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Eubanks, M.D., Carr, D.E., and **Murphy, J.F.** 2002. Defense against multiple enemies: Trade-offs in plant defense against insect herbivores and viruses. National meeting for the Ecological Society of America.

**Murphy, J.F.**, Sikora, E., Slack, S., Guerini, M., and Tapley, L. 1997. Viral diseases of Irish potato in Alabama. Proceedings of the Alabama Fruit and Vegetable Meeting, Auburn AL.

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### Research reports, newsletters, etc.

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- Li, R., and **Murphy, J.F.** 1999. Mechanistic studies on the resistance of *Capsicum annuum* cv. Avelar to *Tobacco etch virus*. *Vegetable Research Report, Series No. 17, page 25*
- Garcia-Ruiz, H., and **Murphy, J.F.** 1999. Mature plant resistance in pepper and tomato to Cucumber mosaic virus under field conditions. *Vegetable Research Report, Series No. 17, page 24*
- **Murphy, J.F.**, Li, R., Kemble, J., Andrianifahanana, M., Sikora, E., Baltikauski, M., Gray, G., Beauchamp, R.R., Porch, D., and Murphy, R. 1998. Viruses in commercial cantaloup and watermelon in Alabama. *Fruit & Vegetable Research Report, Alabama Agricultural Experiment Station No. 15, pages 12-13.*
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