Literature Cited

1. Balderson, K. and K. Liddington. 1998. Double crop corn hybrid demonstration plot. Virginia Tech On-Farm Corn Test Plots. Summary of Replicated Research Conducted by Virginia Cooperative Extension in Cooperation with Local Growers. 48 pp.
2. Behl, H., Bender, E.R., and D.E. Brann. Virginia Corn Hybrid and Management Trials in 1997. January 1998. Virginia Cooperative Extension Publication 424-031. http://www.ext.vt.edu
3. Behl, H., Bender, E.R., and D.E. Brann. Virginia Corn Hybrid and Management Trials in 1998. December 1998. Virginia Cooperative Extension Publication 424-031. http://www.ext.vt.edu
4. Behl, H., Bender, E.R., and D.E. Brann. Virginia Corn Hybrid and Management Trials in 1999. December 1999. Virginia Cooperative Extension Publication 424-031. http://www.ext.vt.edu
5. Behl, H., E. Bender, D. Brann, D. Moore, and L. Barrack. 1997. Evaluation of Double Crop Corn in Eastern Virginia. Virginia Corn Hybrid and Management Trials. Virginia Cooperative Extension Publication 424-031, pp. 30-32.
6. Brann, D. and B. Pitman. 1997. Double crop corn demonstration. Virginia Tech On-Farm Corn Test Plots. Summary of Replicated Research Conducted by Virginia Cooperative Extension in Cooperation with Local Growers. 40 pp.

7. Calvin, D.D. and Song, P.Z. 1994. Variability in Postdiapause Development Periods of Geographically Separate *Ostrinia nubilalis* (Lepidoptera: Pyralidae) Populations in Pennsylvania. Environmental Entomology 23(2): 431-436.
8. Calvin, D.D., Higgins, R.A., Knapp, M.C., Poston, F.L., Welch, S.M., Showers, W.B., Chiang, H.C., and Keaster, A.J. 1991. Similarities in Developmental Rates of Geographically Separate European Corn Borer (Lepidoptera: Pyralidae) Populations. Environmental Entomology 20(2): 441-449.
9. Calvin, D.D., Roth, G.W., Hyde, J., Kuldau, G., and Voight, D. 2001. Northeast Region IPM Grants Funded in 2001: Incorporating Bt-corn hybrids into IPM Programs for field crop farmers in the Northeastern United States. URL:http://northeastipm.org/. Accessed 2/1/04.
10. Camacho, R. F., L. J. Moshier, D. W. Morishita, and D. L. Devlin. 1991. Rhizome johnsongrass (*Sorghum halepense*) control in corn (*Zea mays*) with primisulfuron and nicosulfuron. Weed Technology 5:789-794.
11. Campbell, C. L. and Madden, L. V. 1990. *Introduction to Plant Disease Epidemiology*. John Wiley and Sons, New York, NY, U.S.A.
12. Chang, J. 1981. Corn yield in relation to photoperiod, night temperature, and solar radiation. Agricultural Meteorology 24: 253-262.
13. Coelho, D.T and Dale, R.F. 1980. An energy-crop growth variable and temperature function for predicting corn growth and development: planting to silking. Agronomy Journal 72: 503-510.

14. Dodd, J. January 1998. Gray Leaf Spot Tolerance, Bt Resistance, Stalk Rot and Yield of Corn. Professional Seed Research, Inc. URL: http://psrcorn.com/. Accessed 12/1/98.

15. Eberwine, J. W., Jr. 1996. Effect of postemergence johnsongrass control on MCDV and MDMV incidence and severity in field corn. Ph.D. dissertation. Virginia Polytechnic Institute and State University, Blacksburg.

16. Eberwine, J. W., Jr. and E. S. Hagood, Jr. 1995. Effect of johnsongrass (*Sorghum halepense*) control on the severity of virus diseases of corn (*Zea mays*). Weed Technology 9:73-79.

17. Eberwine, J. W., Jr., E. S Hagood, Jr., and E. L. Stromberg. 1993. Increased virus incidence and severity in corn as affected by postemergence johnsongrass (*Sorghum halepense* [L.] Pers.) control. Phytopathology 83:695.

18. Edmeades, G.O., Bolanos, J., Elings, A. Ribaut, J.-M., Banzinger, M., and Westgate, M.E. 2000. The role and regulation of the anthesis-silking interval in maize. In: Physiology and Modeling Kernel Set in Maize. Crop Science Society of America and the American Society of Agronomy. Pp. 43-73.

19. Extension Toxicology Network. Pesticide information profile: Azoxystrobin. http://pmep.cce.cornell.edu/profiles/extoxnet/24d-captan/azoxystrobin-ext.html. Accessed 12/12/98.

20. Food and Agriculture Organization of the United Nations. 1998. Crop evapotranspiration - Guidelines for computing crop water requirements –FAO Irrigation and drainage paper 56.

21. Forsythe, W.C., Rykiel, E.J., Jr., Stahl, R.S., Wu, H., and Schoolfield, R.M. 1995. A model comparison for daylength as a function of latitude and day of year. Ecological Modeling 80: 87-95.

22. Garcia, P., Offutt, S.E., Pinar, M., and Chagnon, S.A. 1987. Corn yield behavior: Effects of technological advance and weather conditions. J. Climate Appl Meteor. 26: 1092-1102.

23. Gesch, D., Oimoen, M., Greenlee, S., Nelson, C., Steuck, M., Tyler, D. The National Elevation Dataset. Photogrammetric Engineering and Remote Sensing 68 (1): 5-11.

24. Gordon, D. T. 1976. Maize Virus Diseases in the United States. *in* Proceedings of the International Maize Virus Disease Colloquium and Workshop. Edited by Williams, L. E., Gordin, D. T., and Nault, L. R. Ohio Agricultural Research and Development Center, Wooster, OH.

25. Hu, Q. and Buyanovsky, G. 2003. Climate effects on corn yield in Missouri. Journal of Applied Meteorology 42: 1626-1635.

26. Jarvis, J. L., Clark, R. L., Guthrie, W. D., Berry, E. C., and Russell, W. A. 1984. The relationship between second-generation European corn borers and stalk rot fungi in maize hybrids. Maydica 29: 247-263.

27. Josephson, L. M., Hilty, J. W., Arnold, J. M., Kincer, H. C., and Overton, J. R. 1969. Grain yield of corn reduced by maize dwarf mosaic virus infection. Plant Disease Reporter 53:61-63.

28. Jugenheimer, R. W. 1976. Corn: Improvement, Seed Production, and Uses. Robert E. Krieger Publishing Company, Malabar, Florida. Pp. 297-311.

29. Lobell, D.B., and Asner, G.P. 2003. Climate and management contributions to recent trends in U.S. agricultural yield. Science 299: 1032.

30. Losey, J.E., Song, P.Z., Schmidt, D.M., Calvin, D.D. 1992. Larval parasitoids collected from overwintering European corn borer (Lepidoptera: Pyralidae) in Pennsylvania. J. Kans. Ent. Soc. 65(1):87-91.

31. Lott, J.N. and D.D. Anders. 2000. NOAA National Data Center Climate Data Online for Use in Research, Applications, and Education. Proceedings: Twelfth Conference on Applied Climatology, May 8-11, 2000, Ashville, NC, American Meteorological Society, Boston, MA., 26-39.

32. Mason, C. E., Rice, M. E., Calvin, D. D., Van Duyn, J. W., Showers, W. B., Hutchinson, W. D., Witkowski, J. F., Higgins, R. A., Onstad, D. W., and Dively, G. P. 1996. European Corn Borer: Ecology and Management. North Central Regional Extension Publication No. 327. Published by Iowa State University, Ames, Iowa.

33. McGee, J. Virginia Geospatial Newsletter. Status update of SSURGO in Virginia.

34. Munkvold, G. P. and Desjardins, A. E. 1997. Fuminosins in maize: Can we reduce their occurrence? Plant Disease 81:556-565.

35. Munkvold, G. P., Hellmich, R. L., and Showers, W. B. 1997. Reduced fusarium ear rot and symptomless infection in kernel of maize genetically engineered for European corn borer resistance. Phytopathology 87: 1071-1077.

36. Munkvold, G. P., McGee, D. C., Carlton, W. M. 1997. Importance of different pathways for maize kernel infection by *Fusarium moniliforme*. Phytopathology 87: 209-217.

37. National Research Council. 2001. *Under the weather: climate, ecosystems, and infectious disease*. National Academy Press. Washington, D.C.

38. Ngouajio, M. and E. S. Hagood, Jr. 1993. Weed control in corn (*Zea mays*) with primisulfuron as influenced by rate, timing, and herbicide combinations. Weed Technology 7:65-69.

39. NOAA National Data Center Climate Data Online. URL: http://hurricane.ncdc.noaa.gov/CDO/cdo. Accessed February 2004.

40. Pilcher, C.D. and M.E. Rice. 2001. Effect of planting dates and *Bacillus thuringiensis* corn on the population dynamics of European corn borer (Lepidoptera: Crambidae). Journal of Economic Entomology 94(3):730-742.

41. Rosenkranz, E. and G. E. Scott. 1978. Effect of plant age at time of inoculation with maize dwarf mosaic virus on disease development and yield in corn. Phytopathology 68:1688-1692.

42. Runge, E.C. 1968. Effect of rainfall and temperature interactions during the growing season on corn yield. Agronomy Journal 60: 503-507.

43. Scheifele, G. L., 1969. Effects of early and late inoculation of maize dwarf mosaic virus strain A and B on shelled grain yields of susceptible and resistant maize segregates of a three-way hybrid. Plant Disease Reporter 53:345-347.

44. Sforza, P.M. and Stromberg, E.L. 2002. Interpolation of daily temperature surfaces and degree-day calculations from on-line weather station data using ArcObjects. Fourth Annual GIS and Remote Sensing Symposium. Roanoke, Virginia.

45. Sforza, P.M. and L.W. Carstensen. 2004. National elevation data for slope and aspect calculations in ESRI ArcGIS. The Virginia Geospatial Newsletter. 3 (1): 5-6. (in Press).

46. Shurtleff, M. C., editor. 1980. Compendium of Corn Diseases, second edition. Published by The American Phytopathological Society.

47. Thornthwaite, C.W. 1948. An approach toward a rational classification of climate. Geographic Review 38: 55-94.

48. Tollenaar, M. Sink-source relationships during reproductive development in maize. A review. Maydica 22: 49-75.

49. USDA National Agricultural Statistics Service. [On-line]. URL: http://www.usda.gov/nass/

50. USGS. <On-line> The National Map. URL: http://nationalmap.usgs.gov/ Accessed July 2003.

51. VanGessel, M. J. and H. D. Coble. 1993. Postemergence control of johnsongrass and its effect on maize dwarf mosaic virus incidence and vectors in corn. Plant Disease 77:613-618.

52. Virginia Cooperative Extension Publication 456-016. Pest management Guide for Field Crops. 1998. Pp. 133-152.

53. Virginia State Climatology Office. Dr. Pat Michaels, State Climatologist. URL: http://climate.virginia.edu/

54. Ward, J. M. J. 1996. Ph.D. Dissertation: Epidemiology and Management of Grey Leaf Spot: A New Disease of Maize in South Africa. University of Natal, Pietermaritzburg, South Africa.

55. Warren. 1998. Factors Contributing to Increased Yields in Corn. Weed Technology 12: 752-760.

56. White, M.A., Host, G.E. An assessment of potential evapotranspiration for the northern lake states. URL: http://oden.nrri.umn.edu/gla/pet.htm. Last accessed 11/4/03.

57. Windstrom, N.W. and Young, J.R. 1980. Double cropping corn on the coastal plain of the southeastern United States. Agronomy Journal 72: 302-305.

58. Youngman, R. R., and Tiwari, S. 2004. Recent Advances and Developments in Corn Integrated Pest Management. In: Horowitz, A. R. and Ishaaya, I. (Eds.) Insect Pest Management. Springer-Verlag Berlin Heidelberg.

59. Zeyen, R. J., E. L. Stromberg and E. L. Kuenast. 1987. Long-range aphid transport hypothesis for maize dwarf mosaic virus: history and distribution in Minnesota, USA. Annals of Applied Biology 111:325-336.