

# **T. (TOM) L. HARVEY**

## **Curriculum Vitae**

**September, 2004**

### **CURRENT POSITION:**

Research Entomologist, Wheat and Sorghum Insects

### **EDUCATION:**

Kansas State University B.S. Entomology, 1947-50

Kansas State University M.S. Entomology, 1950-52

Oklahoma State University Ph.D. Entomology, 1962-63

### **POSITIONS:**

New Mexico State University, Instructor of Entomology, 1952-1954

Kansas State University, Assistant Professor of Entomology, 1954-1964

Kansas State University, Associate Professor of Entomology, 1964-1970

Kansas State University, Professor of Entomology, 1970 to present

### **CURRENT RESEARCH INTERESTS/SPECIALITIES:**

Plant Resistance to Insects  
Transmission of wheat viruses

### **PROFESSIONAL MEMBERSHIPS/ACTIVITIES:**

Entomological Society of America  
South Carolina Entomological Society  
Captain, U.S.N.R., Ret.  
Gamma Sigma Delta  
Phi Kappa Phi  
Sigma Xi

### **HONORS/AWARDS:**

Kansan of Year in Agriculture - 1969 - Topeka Capitol Journal  
Entomological Society of America Recognition Award, 1974  
MASUA Lecturer, 1977-78  
Outstanding Achievement Award, Sorghum Improvement Conf. of N. America, 1993  
NCB Entomological Society of America Award of Merit, 2001

## **CURRENT RESEARCH:**

Involves collaborative projects designed to develop wheat and sorghum resistant to insects and mites. This research is in cooperation with plant breeders, plant pathologists, and other entomologists with financial support primarily from Kansas Commodity Commissions.

The identification and evaluation of wheat curl mite biotypes as expressed in response to plant resistance is a major component of the research effort. Results for 2002-2004 includes the release of Stanton, a top yielding Russian wheat aphid-resistant wheat cultivar, and the release of five biotype I greenbug resistant sorghum A/B lines.

## **SELECTED PUBLICATIONS:**

### **Dissertation/Thesis:**

Harvey, T.L. Transmission Experiments Involving Possible Insect Vectors of the Virus, *Marmor virgatum* var. *typicum* McKinney, which Causes Wheat Streak Mosaic Disease. M.S., Kansas State University 1951.

Harvey, T.L. House Fly Resistance to *Bacillus thuringiensis* Berliner, A Microbial Insecticide. Ph. D., Oklahoma State University 1963.

### **Experiment Station Bulletin:**

Harvey, T.L., H.L. Hackerott, E.L. Sorensen, R.H. Painter, E.E. Ortman, and D.C. Peters. 1960. The development and performance of Cody alfalfa, a spotted alfalfa aphid resistant variety. *Kans. Agr. Exp. Sta. Tech. Bul.* 114, 27 pp.

### **Refereed Journals:**

Harvey, T., D. Seifers, and T. Martin. 2004. Effect of resistance to wheat streak mosaic virus on transmission efficiency of wheat curl mites. *J. Agric. & Urban Entomol.* (In Press)

Kofoed, K., and T. Harvey. 2004. Registration of greenbug resistant sorghum germplasm lines KS116 A/B-KS120A/B. *Crop Sci.* (In Press)

Harvey, T., T. Martin, and D. Seifers. 2003. Resistance to the wheat curl mite prevents loss in wheat yield. *J. Agric. & Urban Entomol.* 20:7-10.

Malik, R. G. Brown-Guedira, C. Smith, T. Harvey and B. Gill. 2003. Genetic mapping of wheat curl mite resistance genes in common wheat. *Crop Sci.* 43:644-650.

Harvey T., T. Martin, and D. Seifers. 2002. Wheat yield reduction due to wheat curl mite infestations. *J. Agric. & Urban Entomol.* 19:1-5.

Seifers, D., T. Harvey, D. Gordon, R. Louie, and T. Martin. 2002. Differential transmission of the High Plains virus by different sources of wheat curl mites. *Plant Disease* 86: 138-142.

Harvey, T., D. Seifers, and T. Martin. 2001. Host range difference between two strains of wheat curl mites. *J. Agric. & Urban Entomol.* 18:35-41.

Kofoed, K., and T. Harvey. 2000. Registration of seven biotype I greenbug resistant restorer germplasm lines of sorghum. *Crop Sci.* 40:1510-1511.

Harvey, T., D. Seifers, T. Martin, G. Brown-Guedira, and B. Gill. 1999. Survival of wheat curl mites on different sources of resistant wheat. *Crop Sci.* 39:1887-1889.

Harvey, T., and G. Wilde and K. Kofoid. 1997 Designation of a new greenbug biotype K, injurious to resistant sorghum. *Crop Sci.* 37:989-991.