

Alvarez, J.M. and E. Dotseth. 2006. Small grain pests. In: C.S. Hollingsworth (ed.). *PNW Insect Management Handbook*. 249-258.

Alvarez, J.M. and E. Dotseth. 2006. Black grass bug and chinch bug in small grains. Current Information Series, University of Idaho. CIS 1128.

Alvarez, J.M. and E. Dotseth. 2005. Small grain pests. In: D. McGrath (ed.). *PNW Insect Management Handbook*. 227-235.

Alvarez, J.M. and P.J.S. Hutchinson, 2005. Managing hairy nightshade to reduce potato viruses and insect vectors. *Outlooks on Pest Management Journal*. 16 (6): 249-252.

Alvarez, J.M. and R. Srinivasan. 2005. Evaluation of hairy nightshade as an inoculum source for the aphid-mediated transmission of potato leafroll virus. *Journal of Economic Entomology*. 98: 1101-1108.

Boina, D., S. Prabhakar. C. M. Smith, S. Starkey, L. Zhu, E. Boyko, and J. C. Reese. 2005. Categories of resistance to greenbug (Homoptera: Aphididae) biotype I in wheats expressing the *Gby* and *Gbz* genes. *J. Kansas Entomol. Soc.* 78: 252-260.

Boyko, E. V., C. M. Smith, V. K. Thara, J. M. Bruno, Y. Deng, S. R. Starkey and D. L. Klaahsen. 2006. Molecular Basis of Plant Gene Expression During Aphid Invasion: Wheat Pto- and Pti-Like Sequences Are Involved in Interactions Between Wheat and Russian Wheat Aphid (Homoptera: Aphididae). *J. Econ. Entomol.* 99:1430-1445

Burd, J.D. and D.R. Porter. 2006. Biotypic diversitiy in greenbug (Homoptera: Aphididae): Characterizing new virulence and host associations. *J. Econ. Entomol.* 99: 959-965.

Castle del Conte, S.C., N.A. Bosque-Pérez, D.J. Schotzko, and S.O. Guy. 2005. Impact of tillage practices on Hessian fly-susceptible and resistant spring wheat cultivars. *Journal of Economic Entomology*. 98 (3): 805-813.

Chander, S., L. R. Ahuja, F. B. Peairs, P.K. Aggarwal, and N. Kalra. 2006. Modeling the effect of Russian wheat aphid, *Diuraphis noxia* (Mordvilko) and weeds in winter wheat as guide to management. *Agricultural Systems* 88: 494 - 513.

Clement, S.L., L.R. Elberson, N.A. Bosque-Pérez, and D. Schotzko. 2005. Detrimental and neutral effects of wild barley-*Neotyphodium* endophyte associations on insect survival. *Entomologia Experimentalis et Applicata*. 114 (2): 119-125.

Collins, M. B., S. D. Haley, F. B. Peairs, and J. B. Rudolph. 2005. Biotype 2 Russian wheat aphid resistance among wheat germplasm accessions. *Crop Sci.* 45: 1877-1880

Collins, M. B., S. D. Haley, T. L. Randolph, F. B. Peairs, J. B. Rudolph, 2005. Comparison of Dn4- and Dn7-carrying spring wheat genotypes artificially infested

with Russian wheat aphid (Homoptera: Aphididae) Biotype 1. J. Econ. Entomol. 98: 1698 - 1703.

Elliott, N. C., F. L. Tao, K. L. Giles, T. A. Royer, M. H. Greenstone, and K. A. Shufran. 2006. First quantitative study of rove beetles in Oklahoma winter wheat fields. BioControl. 51: 79-87.

Elliott, N. C., F. L. Tao, K. L. Giles, S. D. Kindler, B. W. French, M. H. Greenstone, and K. A. Shufran. 2006. Ground beetle density in Oklahoma winter wheat fields. Southwest. Entomol. 31: 121-128.

Elliott, N. C., F. L. Tao, R. Fuentes-Granados, K. L. Giles, D. T. Elliott, M. H. Greenstone, K. A. Shufran, and T. A. Royer. 2006. D-vac sampling for predatory arthropods in winter wheat. Biological Control. 38: 325-330.

Elliott, N., M. Mirik, Z. Yang, T. Dvorak, M. Rao, J. Michels, V.e Catana, M. Phoofolo, K. Giles, and T. Royer. 2005. Airborne multispectral remote sensing for Russian wheat aphid infestations. 7 Pages. In: C. Yang and J. H. Everitt [EDS.]. Proceedings of 20th Biennial Workshop on Aerial Photography, Videography, and High Resolution Digital Imagery for Resource Assessment. CD ROM. ASPRS Press, Bethesda, MD

Giles, K.L., J.W. Dillwith, R.C. Berberet, and N.C. Elliott. Survival, development, and growth of *Coccinella spetempunctata* fed *Schizaphis graminum* from resistant and susceptible winter wheat. Southwest Entomol. 30: 113-120. 2005.

Haley, S. D., J. J. Johnson, F. B. Peairs, J. S. Quick, P. H. Westra, J. A. Stromberger, S. R. Clayshulte, B. L. Clifford, J. B. Rudolph, A. Giura, B. W. Seabourn, O. K. Chung, Y. Jin, and J. Kolmer. 2006. Registration of 'Bond CL' wheat. Crop Sci. 46: 993 - 995.

Haley, S. D., J. J. Johnson, F. B. Peairs, J. S. Quick, P. H. Westra, J. A. Stromberger, S. R. Clayshulte, B. L. Clifford, J. B. Rudolph, B. W. Seabourn, O. K. Chung, Y. Jin, and J. Kolmer. 2006. Registration of 'Protection' wheat. Crop Sci. 46: 995 – 996

Haley, S. D., J. S. Quick, J. J. Johnson, F. B. Peairs, J. A. Stromberger, S. R. Clayshulte, B. L. Clifford, J. B. Rudolph, B. W. Seabourn, O. K. Chung, Y. Jin, and J. Kolmer. 2005. Registration of 'Hatcher' wheat. Crop Sci.

Hesler, L.S., W.E. Riedell, M.A.C. Langham & S.L. Osborne. 2005. Insect infestations, incidence of viral plant diseases, and yield of winter wheat in relation to planting date in the northern Great Plains. J. Econ. Entomol. 98:2020-2027.

Hesler, L.S., R.W. Kieckhefer & M.M. Ellsbury. 2005. Abundance of coccinellids (Coleoptera) in field-crop and grass habitats in eastern South Dakota. Great Lakes Entomol. 38:83-96.

- Hesler, L.S. & M.A.C. Langham. 2004. Riding on the wind—Part I Cereal aphids and viral diseases of cereals. http://www.apsnet.org/education/K-12PlantPathways/NewsViews/Archive/2004_05.html.
- Jyoti, J.L. and J.P. Michaud. 2005. Comparative biology of a novel strain of Russian wheat aphid (Homoptera: Aphididae) on three wheat varieties. *J. Econ. Entomol.* 98: 1032-1039.
- Jyoti, J.L., J.P. Michaud and J.A. Qureshi. 2006. Virulence of two Russian wheat aphid biotypes to eight wheat cultivars at two temperatures. *Crop Sci.* 46: 774-780.
- Meyer, R. F. & F. B. Peairs. 2006. Harvest and storage considerations. Pp. 63 - 66 in, Peairs ,F. B., ed. Colorado Wheat Production Handbook, 2 ed. Colorado Association of Wheat Growers, Lakewood, CO. 96 pp.
- Michaud, J.P. and Qureshi, J.A. 2005. Induction of reproductive diapause in *Hippodamia convergens* (Coleoptera: Coccinellidae) hinges on prey quality and availability. *Eur. J. Entomol.* 102: 483-487.
- Michaud, J.P., J.L. Jyoti & J.A. Qureshi. 2006. Positive correlation of fitness with group size in two biotypes of Russian wheat aphid (Homoptera: Aphididae). *J. Econ. Entomol.* 99: 1214-1224.
- Mirik, M., G. J. Michels, Jr., S. Kassymzhanova-Mirik, N.C. Elliott, V. Catana, D.B. Jones, and R. Bowling. 2006. Using digital image analysis and spectral reflectance data to quantify greenbug (Homoptera: Aphididae) damage in winter wheat. *Computers and Electronics in Agriculture.* 51: 86-98.
- Mirik, M., G. J. Michels, Jr., S. Kassymzhanova-Mirik, D. Jones, N. C. Elliott, V. Catana, and R. Bowling. 2005. Hyperspectral field spectrometry for estimating greenbug (Homoptera: Aphididae) damage in wheat. 11 pages. In: C. Yang and J. H. Everitt [EDS.]. Proceedings of 20th Biennial Workshop on Aerial Photography, Videography, and High Resolution Digital Imagery for Resource Assessment. CD ROM. 4-6 October 2005, Weslaco, Texas. ASPRS Press, Bethesda, MD.
- Mornhinweg, D.W., M.J. Brewer, and D.R. Porter. 2006. Effect of Russian wheat aphid on yield and yield components of field grown susceptible and resistant spring barley. *Crop Sci* 46:36-42.
- Mornhinweg, D.W., D.E. Obert, D.M. Wesenberg, C.A. Erickson, and D.R. Porter. 2006. Registration of seven winter feed barley germplasms resistant to Russian wheat aphid. *Crop Sci.* 46:1826-1827.
- Novy, R.G., Alvarez, J.M., Corsini, D.L., Nasruddin, A., Radcliffe, E.B., and Ragsdale, D.W. 2004. Resistance to PVY, PLRV, PVX, green peach aphid, Colorado potato beetle, and wireworm in the progeny of a tri-species somatic hybrid. *American Journal of Potato Research.* 81 (1): 77-78.

Payton, M.E., S.J. Richter, K.L. Giles and T.A. Royer. 2006. Transformations of count data for tests of interaction in factorial and split-plot experiments. *J. Econ. Entomol.* 99: 1002-1006.

Peairs, F. B., ed. 2006. Colorado Wheat Production Handbook, 2 ed. Colorado Association of Wheat Growers, Lakewood, CO. 96 pp.

Peairs, F. 2006. Insect and mite pests of wheat. Pp. 63 - 78 in 2005 Colorado Wheat Handbook. Colorado Association of Wheat Growers, Centennial, CO.

Peairs, F. B. Russian wheat aphid management. 2006. Pp. 28 - 32 in, Peairs, F. B., ed. Colorado Wheat Production Handbook, 2 ed. Colorado Association of Wheat Growers, Lakewood, CO. 96 pp.

Peairs, F. B., J. B. Rudolph, J. B., T. L. Randolph, S. M. Walters, and A. Gebre-Amlak. 2006. 2005 Colorado field crop insect management research and demonstration trials. Colorado State Univ. Agric. Exp. Sta. Tech. Rep. TR06-05, 30 pp.

Peairs, F., T. Randolph, S. Haley, J. Johnson, J. Rudolph, J. Stromberger, T. Walker, M. Koch, and R. Hammon. 2006. Managing new Russian wheat aphid biotypes. Pp. 28 - 29 in Johnson, J. J., ed. 2006. Making better decisions: 2005 Colorado wheat variety performance trials. Colorado State Univ. Agric. Exp. Sta. Tech. Rep. TR06-09, 40 pp.

Peairs, F., T. Randolph, S. Haley, J. Johnson, J. Rudolph, T. Walker, M. Koch, and R. Hammon. 2005. Managing new Russian wheat aphid biotypes. Pp. 23 - 26 in Johnson, J. J., ed. 2005. Making better decisions: 2004 Colorado wheat variety performance trials. Colorado State Univ. Agric. Exp. Sta. Tech. Rep. TR05-09, 28 pp.

Qureshi, J.A., Jyoti, J.L. & J.P. Michaud. 2006. Differential colonization of wheat cultivars by two biotypes of the Russian wheat aphid (Homoptera: Aphididae). *Ins. Sci.* 12: 341-350.

Qureshi, J.A. J.P. Michaud & T.J. Martin. 2006. Resistance to biotype 2 Russian wheat aphid (Homoptera: Aphididae) in two wheat lines. *J. Econ. Entomol.* 99: 544-550.

Qureshi, J.A. and J.P. Michaud. 2005. Comparative biology of three cereal aphids on TAM 107 wheat. *Environ. Entomol.* 34: 27-36.

Randolph, T. L., F. B. Peairs, M. Koch, and C. B. Walker. 2006. Yield response to Russian wheat aphid (Hemiptera: Aphididae) in three resistant wheats in eastern Colorado. *Southwestern Entomologist* 31: 25 - 32.

Randolph, T. L., F. B. Peairs, M. Koch, C. B. Walker, and J. S. Quick. 2005. Influence of three resistance sources in winter wheat derived from TAM 107 on yield response to Russian wheat aphid. *J. Econ. Entomol.* 98: 389 - 394.

- Randolph, T. L., F. B. Peairs, M. Koch, C. B. Walker, J. R. Stubbs, J. S. Quick, and S. D. Haley. 2005. Yield response and categories of resistance to Russian wheat aphid in four Dn4 hard red winter wheat cultivars. *J. Econ. Entomol.* 98: 588 - 594.
- Rudolph, J. B., T. L. Randolph, S. M. Walters, F. B. Peairs, and A. Gebre-Amlak. 2005. 2004 Colorado field crop insect management research and demonstration trials. Colorado State Univ. Agric. Exp. Sta. Tech. Rep. TR03-01, 43 pp.
- Souza, E.J., N.A. Bosque-Pérez, M.J. Guttieri, D.J. Schotzko, S.O. Guy, B. Brown, and R. Zemetra. 2005. Registration of Jerome, hard red spring wheat. *Crop Science*. 45 (3): 1161-1162.
- Srinivasan, R., J.M. Alvarez, S. Eigenbrode, and N. Bosque-Perez. 2006. Influence of hairy nightshade *Solanum sarrachoides* (Sendtner) and *Potato leafroll virus* (Luteoviridae: *Polrovirus*) on the preference of *Myzus persicae* (Sulzer) (Homoptera: Aphididae). *Environmental Entomology*. 35: 546-553.
- Tolmay, V.L., F. du Toit, and C. M. Smith. 2006. Registration of seven Russian wheat aphid resistant near isogenic lines developed in South Africa. *Crop Sci.* 46:478-480.
- Voothuluru, P., J. Meng, C. Khajuria, J. Louis, L. Zhu, S. Starkey, G. E. Wilde, C. A. Baker and C. M. Smith. 2006. Categories and Inheritance of Resistance to Russian Wheat Aphid (Homoptera: Aphididae) Biotype 2 in a Selection from Wheat Cereal Introduction 2401. *J. Econ. Entomol.* 99: 1854-1861.
- Walker, C. B. & F. B. Peairs. 2006. Grazing winter wheat. Pp. 73 - 76 in, Peairs, F. B., ed. Colorado Wheat Production Handbook, 2 ed. Colorado Association of Wheat Growers, Lakewood, CO. 96 pp.
- Zhu, L. C., C. M. Smith, and J. C. Reese. 2005. Categories of resistance to greenbug (Homoptera: Aphididae) biotype K in wheat lines containing *Aegilops tauschii* genes. *J. Econ. Entomol.* 98: 2260-2265.
- Zhu, L., C. M. Smith, A. Fritz, E. V. Boyko, and B. S. Gill. 2005. Inheritance and molecular mapping of new greenbug resistance genes in wheat germplasms derived from *Aegilops tauschii*. *Theor. Appl. Genet.* Online First: <http://dx.doi.org/10.1007/s00122-005-0003-6>.