

PUBLICATIONS

- Arle, H.F. and K.C. Hamilton. 1973. Trifluralin-diuron combinations for weed control in four populations of cotton. Research Progress Report of Western Society of Weed Science. pp. 112-113.
- Arle, H.F. and K.C. Hamilton. 1973. Effect of annual weeds on furrow-irrigated cotton. Weed Science. 21:325-327.
- Bariola, L.A., A.C. Bartlett, R.T. Staten, R.W. Rosander and J.C. Keller. 1973. Partially sterilized adult pink bollworms: releases in cages and field cause chromosomal aberrations. Environ. Entomol. 2:173-176.
- Bariola, L.A., J.C. Keller, D.L. Turley, and J.R. Farris. 1973. Migration and population studies of the pink bollworm in the arid west. Environ. Entomol. 2:205-208.
- Bartlett, A.C., R.T. Staten, and W.O. Ridgway. 1973. Gamma irradiation of eggs of the pink bollworm. J. Econ. Entomol. 66:475-477.
- Bartlett, A.C. and L.J. Lewis. 1973. Pink bollworm: chromosomal damage and reproduction after gamma irradiation of larvae. J. Econ. Entomol. 66:731-733.
- Benschoter, C.A., and M.P. Leal. 1973. Rearing the cotton leafperforator in the laboratory. J. Econ. Entomol. 66: no. 6.
- Briggs, R.E. 1973. Response of narrow-row cotton to management of water and fertilization. Western Cotton Prod. Conf., Sum-Proc. pp. 12-14.
- Bryan, D.E., R.E. Fye, C.G. Jackson, and Raymond Patana. 1973. Releases of Bracon kirkpatricki (Wilkinson) and Chelonus blackburni Cameron for pink bollworm control in Arizona. USDA ARS Prod. Res. Rep. 150. 22 pp.
- Bryan, D.E., R.E. Fye, C.G. Jackson, and Raymond Patana. 1973. Releases of parasites for suppression of pink bollworms in Arizona. ARS-W-7. 8 pp.
- Butler, G.D., Jr., and A.L. Wardecker. Collops vittatus (Coleoptera: Malachiidae): development at constant temperatures. Annals of the Entomol. Soc. of Amer. 66:1168-1170. 1973.
- Butler, G.D., Jr. 1973. Development of Peristenus stygicus, a parasite of Lygus hesperus in relation to temperature. J. Econ. Entomol. December 1973 issue.
- Butler, G.D., Jr., and G.M. Loper. 1973. Implications of the increase in alfalfa leaf area for the biological control of insects. Environ. Entomol. 2:958-959.
- Buxton, D.R., H.N. Stapleton, Yahia Makki, and R.E. Briggs. 1973. Some Effects of Field Weathering of Seed Cotton in a Desert Environment. Agronomy Journal. 65:14-17.
- Cole, C.L., P.L. Adkisson, and R.E. Fye. 1973. Seasonal abundance of Heliothis larvae on cotton in the Presidio, Texas, area. J. Econ. Entomol. 66(2): 524-526.

- Feaster, Carl V. and E.L. Turcotte. Stability of American Pima cultivars as related to breeding method. Proceedings-23rd Cotton Improvement Conference, Phoenix, Arizona (abstract) 1973.
- Feaster, Carl V. and E.L. Turcotte. Yield stability in doubled haploids of American Pima cotton. *Crop Sci.* 13:232-233. 1973.
- Flint, H.M., R.T. Staten, L.A. Bariola, and D.L. Palmer. 1973. Gamma-irradiated pink bollworms: attractiveness, mating, and longevity of females. *Environ. Entomol.* 2:97-100.
- Flint, H.M., A.B. Borkovec, and D.L. Palmer. 1974. A new method of sterilizing the pink bollworm. *Environ. Entomol.* In Press.
- Flint, H.M., D.L. Palmer, L.A. Bariola, and B. Horn. Suppression of native pink bollworm populations in field cages with release of irradiated moths. *Environ. Entomol.* In Press.
- Foster, K., and R.E. Fye. 1973. Soil temperature simulation. *J. Ariz. Acad. Sci.* 8(2):51-55.
- Fye, R.E. 1973. Potential mortality of pink bollworms due to summer thunder-showers. *J. Econ. Entomol.* 66(2):531-532.
- Fye, R.E. 1973. Cotton Pests: Overwintering of three lepidopterous species in Arizona. *J. Econ. Entomol.* 66(3):657-659.
- Fye, R.E., and C.G. Jackson. 1973. Overwintering of Chelonus blackburni Cameron in Arizona. *J. Econ. Entomol.* 66(3):807-808.
- Fye, R.E. Approaches to the control of the pink bollworm, bollworm, and cotton leafperforator. Proc. of Cotton Insect Pest Management Symposium, Univ. of Calif., Imperial Co. Agric. Ext. Service. Mimeo. 22 pp. June 15, 1973.
- Gagmon, S.A. and K.C. Hamilton. 1973. Persistence of various dinitroanilines under irrigated and desert fallow conditions. Proc. of Western Society of Weed Science. pp. 24-25.
- Guinn, Gene. Effects of low light intensity on some constituents of young cotton bolls. Beltwide Cotton Production Research Conferences, Proceedings. 1973. In Press.
- Guinn, Gene. Purification of leaf nucleotides and nucleosides on insoluble polyvinylpyrrolidone. *Anal. Biochem.* 54:276-282. 1973.
- Guinn, Gene. Abscission of cotton floral buds and bolls as influenced by some factors that affect photosynthesis and respiration. *Crop Science.* In Press. 1974.
- Hathorn, Scott, Jr., H.N. Stapleton, and Fred L. Watson. 1973. Minimizing Costs in the Cotton Harvest-Ginning System. Arizona Agricultural Experiment Station Technical Bulletin 204.
- Hink, W. Fred and P.V. Vail. 1973. A plaque assay for titration of alfalfa looper nuclear polyhedrosis in a cabbage looper (TN-368) cell line. *J. of Invertebr. Pathol.* 22:168-174.

- Kittock, D.L., J.R. Mauney, H.F. Arle, and L.A. Bariola. 1973. Termination of late season cotton fruiting with growth regulators as an insect-control technique. *J. Environmental Quality* 2:405-408.
- Kittock, D.L. 1973. Pima cotton lint yield as influenced by irrigation schedule, cultivar and altitude. *Agron. J.* 65:498-501.
- Kittock, D.L., Jack R. Mauney, H. Fred Arle, and L.A. Bariola. 1973. Termination of late season cotton fruiting with growth regulators as an insect-control technique. *J. Environ. Quality* 2:405-408.
- Muramoto, H. 1973. Hexaploid Cotton: Some fiber and spinning properties. *Crop Science* 13:396-397.
- Slosser, J.E. and T.F. Watson. 1973. Comparison of pink bollworm infestation levels between various portions of a cotton field. *J. Econ. Entomol.* 66(1): 278-280.
- Stapleton, H.N., D.R. Buxton, F.L. Watson, D.J. Nolting and D.N. Baker. 1973. Cotton: A Computer Simulation of Cotton Growth. *Arizona Agr. Exp. Sta. Tech. Bull.* 206.
- Stoner, Adair, Alan M. Metcalf and Richard Weeks. 1974. Plant feeding by a predaceous insect, Podisus acutissimus. February issue of *Environ. Entomol.*
- Stoner, Adair. 1973. Incidence of Wesmaelia pendula (Hymenoptera: Braconidae), a parasite of males of *Nabis* species in Arizona. *Annals of the Entomol. Soc. of Amer.* 66:471-473.
- Toba, H.H., A.N. Kishaba, P. Pangaldan, and P.V. Vail. 1973. Temperature and development of the cabbage looper. *Annals of the Entomol. Soc. of Amer.* 66:965-974.
- Turcotte, E.L. and Carl V. Feaster. The origin of 2n and n sectors of chimeral Pima cotton plants. *Crop Sci.* 13:111-112. 1973.
- Turcotte, E.L. and Carl V. Feaster. The interaction of two genes for yellow foliage in cotton. *J. Hered.* 64:231-232. 1973.
- Vail, P.V., D.L. Jay and W.F. Hink. 1973. Replication and infectivity of the nuclear polyhedrosis virus of the alfalfa looper, Autographa californica, produced in cells grown in vitro. *Journal of Invertebrate Pathology* 22: 231-237.
- Vail, P.V., D.L. Jay and D.K. Hunter. 1973. Infectivity of a nuclear polyhedrosis virus from the alfalfa looper, Autographa californica, after passage through alternate hosts. *Journal of Invertebrate Pathology* 21:16-20.
- Wanjura, D.F., D.R. Buxton, and H.N. Stapleton. 1973. A model for describing cotton growth during emergence. *Trans. ASAE* 16:227-231.
- Watson, T.F., M.L. Lindsey and J.E. Slosser. 1973. Effect of temperature, moisture and photoperiod on termination of diapause in the pink bollworm. *Environ. Entomol.* 2(6):967-970.

Willett, G.S., B.B. Taylor, and D.R. Buxton. 1973. An economic comparison of short and full-season cotton production in Arizona. Arizona Agr. Exp. Sta. Res. Report 269.

Willett, G.S., B.B. Taylor, and D.R. Buxton. 1973. The economics of short-season cotton production in Arizona. Progressive Agriculture in Arizona 25:3-5.

Wilson, R.L. 1973. Rearing lygus bugs on green beans: a comparison of two oviposition cages. J. Econ. Entomol. 66:810-811.