Literature cited

Akehurst, B.C. 1968. Tobacco. Longmans. London. Green & Co.

Allard, R.W., and A.D. Bradshaw.1964. Implications of genotype-environmental interactions in applied plant breeding. Crop Sci. 4:503-508.

Allard, W. R. 1960. Principles of plant breeding. John Wiley & Sons, Inc. NY.

Anonymous. 1968. Tobacco grading regulations. Marketing act 59:5-13. Tobacco board. RSA.

Anonymous. 1993. Trends in the agricultural sector 51:9-10. Dept of Agric. RSA

Anonymous. 1996. Tobacco. A valuable crop. The tobacco institute of Africa. Pretoria.

Aycock, M.K., Jr. 1980. Hybridisation among Maryland, burley and flue-cured tobacco types. Tobacco Sci. 24:109-113.

Bowman, D.T., E.A. Wernsman, T.C. Corbin, and A.G. Tart. 1984. Contribution of genetics and production technology to long-term gains in flue-cured tobacco. Tobacco Sci. 28:30-35.

Breese, E.L. 1968. The measurement and significance of genotype-environment interactions in grasses. Hered. 24:27-44.

Chaplin, J.F. 1977. Breeding for varying levels of nicotine in tobacco. In: Proceedings of American chemical society symposium. Recent advances in the chemical composition of tobacco and tobacco smoke. The 173rd American chem. society meeting. Agric. & food chem. Division. New Orleans, Louisiana.

Chaplin, J.F., and T.J. Mann. 1978. Evaluation of tobacco mosaic resistance factor transferred from burley to flue-cured tobacco. J. Hered. 69:175-178.

Clayton, E.E. 1958. Resistance to root knot disease of tobacco. Tob. Sci. 2:53-63.

Collins, G. B., and P. D. Legg. 1977. Genetic control of chemical constituents in tobacco. In: Proceedings of American chemical society symposium: Recent advances in the chemical composition of tobacco and tobacco smoke. The 173rd American chem. society meeting. Agric. & food chem. division. New Orleans, Louisiana.

Collins, W.K., and N.S. Hawks, Jr. 1993. Principles of flue-cured tobacco production. N.C. State University, Raleigh.

Comstock, R.E., and R.H. Moll. 1963. Genotype-environment interactions. In: Statistical genetics and plant breeding. Nat. Acad. Sci. pub. 982:253-279.

Dippenaar, M.C., C. Barnard, and T. Venables. 1991. Growth and yield of tobacco under a high soil moisture regime using drip irrigation. South African irrigation symposium. pp 91-92. South African Irrigation Institute. Durban.

Dudley, J.W., and R.H. Moll. 1969. Interpretation and use of estimates of heritability and genetic variances in plant breeding. Crop Sci. 9:257-261.

Gauch, H.G., and R.W. Zobel. 1996. AMMI analysis of yield trials. In: M.S. Kang and H.G. Gauch (ed.). Genotype by environment interaction. pp85-122. CRC press. Boca Raton.

Greeff, A.I. 1986. Genotype and genotype x environment interaction comparisons in upland cotton cultivar evaluation. Ph.D. Thesis, University of Orange Free State, Bloemfontein. South Africa.

Hawks, S.N. 1970. Principles of flue-cured tobacco production. N.C. State University. Raleigh.

Hawks, S.N. 1978. Principles of flue-cured tobacco production. 2nd ed. N.C. State University. Raleigh.

Hill, J. 1975. Genotype-environment interactions. A challenge for plant breeding. J. Agric. Sci. 85:477-493.

Jermyn, W.A., and A.C. Russel. 1998. Cultivar release. 'Crown', a new high yielding field pea (*Pisum sativum* L.). New Zealand journal of crop and horticultural science 26(1):71-73.

Kara, S.M., and E. Esendal. 1996. Correlation and path coefficient analyses for yield and yield components in Turkish tobacco. Tob. Res. 22 (2):101-104.

Keetch, D.P., and J. Heyns. 1982. Nematology in South Africa. Sci. Bull. 400:116-117. Dept. of Agric. & Fisheries. RSA.

Keller, K.R. 1976. Tobacco. The plant. In: The proceedings of the sixth international tobacco scientific congress. CORESTA and the Japan tobacco and salt public corporation Info. Bull. Tokyo.

Kostova, I., and G. Kurteva. 1997. Economic efficiencies of varieties and lines of oriental tobacco of Ustina and Harmanly origins. Agric. Econ. and Manag. 4:47-49.

Legg, P.D., C.C. Litton, and G.B. Collins. 1982. Effects of *Nicotiana longiflora* cav. resistance to race 0 *Phytophthora parasitica* var. *nicotianae* on agronomic and chemical traits in burley tobacco. Crop Sci. 22:35-38.

Legg, P.D., and G.B. Collins. 1971. Genetic parameters in burley populations of *Nicotiana tabacum* L. I. 'KY10' x 'Burley 21'. Crop Sci. 11:365-367.

Matzinger, D.F., and E.A. Wernsman. 1979. Population improvement in self-pollinated crops. In: F.T. Corbin (ed.). World soybean research conference II. pp.191-199. Westview press. Boulder. Colo.

Meredith, W.J., Jr. 1984. Quantitative genetics. In: R.J. Kohel, and C.F. Lewis (ed.). Cotton. Agron. mono. 24:131-150. Amer. Soc. Agron. Madison, WI.

Michalova, A., L. Dotlacil, and L. Cejka. 1998. Evaluation of common buckwheat cultivars. Field crop abstracts 51(12):1258.

Miller, P.A., J.C. Williams, H.F. Robinson, and R.E. Comstock. 1958. Estimates of genotypic and environmental variances and covariances in upland cotton and their implications in selections. Agron. J. 50:126-131.

Mudefar and Suhardi. 1997. Characteristics of high yielding sugarcane cultivars selected in P3G1 in historic land, Rejoagung sugar manufacture, Indonesia. Field crop abstracts 51(12):1259.

Narayaran, A.I., U. Subhashini, and T. Venkateswarlu. 1998. Evaluation of promising fcv dihaploid lines produced through anther culture. CORESTA Info. Bull. 1998 (1):52.

Orkin, M. 1998. Overview. In: Official statistics in the new South Africa. The first five years. Statistics South Africa annual report, p2. Pretoria.

Piepho, H.P., 1995. Assessing cultivar adaptability by multiple comparison with the best. Agron. J. 87 (6):1225-1227.

Simmonds, N.W. 1987. Principles of crop improvement. Edinburgh Sch. of Agric. Longman. John Wiley &Sons. NY.

Smalcelj, B. 1998. Correlation between yield and quality of the flue-cured tobacco variety, DH10. Field crop abstracts 51(12):1256.

Smith, M.F. 1995. The AMMI model for analysis of two way-tables. Agrimetrics Institute. Agricultural Research Council. Pretoria.

Soliman, K.M., and R.W. Allard. 1991. Grain yield of composite cross populations of barley. Effects of natural selection. Crop Sci. 31 (3):705-708.

Sprague, G.F. 1966. Quantitative genetics in plant improvement. In: K.J. Frey (ed.). Plant breeding. pp 535-541. Iowa State University press. Iowa State University. Ames. Iowa.

Stoskopf, N.C., D.T. Tomes, and B.R. Christie. 1993. Plant breeding. Theory and practice. Westview press. Boulder. Colo.

Suggs, C.W., J.F. Beeman, and W.E. Splinter. 1960. Physical properties of green tobacco leaves, iii. Relation of leaf length and width to leaf area. Tob. Sci. 4:194-197.

Swaminathan, M.S. 1997. Implementing the benefit-sharing provisions of the convention on biological diversity. Challenges and opportunities. Plant Genetic Resources Newsletter 112:19-27. F.A.O. UN & I.P.G.R.I.

Thompson, J.A., and R.L. Nelson. 1998. Utilisations of diverse germplasm for soybean yield improvement. Crop Sci. 38:1362-1368.

Van Dierendonck, F.J.E. 1959. The manuring of coffee, cocoa, tea, and tobacco. pp 205. Centre d' Etude de l' Azote. Geneva.

Van Heerden, P.D.R., and G.H.J. Kruger. 1998. Differential cold stress induced changes of photosynthesis, chlorophyll fluorescence and symbiotic nitrogen fixation in *Glycine max* cultivars. pp 43. SASCP Congress. Stellenbosch. Republic of South Africa.

Van Rensburg, L. 1991. Vogstremming-geinduseerde veranderinge in fotosintese en verwante metaboliese prosesse in vier kultivars van *Nicotiana tabacum* L. M.Sc. Thesis, University of Potchefstroom.

Van Wyk, R.J. 1985. The occurrence of root knot nematodes, Meloidogyne spp., in the tobacco-producing areas of South Africa. Phytophylactica 17:165-166.

Wallace, D.H., and W. Yan. 1998. Plant breeding and whole system crop physiology. Improving adaptation, maturity and yield. Cab international. Wallingford. UK.

Wernsman, E.A., and R.C. Rufty. 1988. Tobacco. In: W.R. Fehr (ed.). Principles of cultivar development 2. Crop species. pp 669-698. Mac Millan pub. Co. NY.