

APPENDIX M

SOUTH DAKOTA STATE UNIVERSITY – REFEREED PUBLICATIONS

REFEREED PUBLICATIONS

Koskinen, W. C. and S.A. Clay. Atrazine persistence and fate in north central U.S. soils and factors affecting its potential for ground water contamination. *Pesticide Review* (In preparation).

Clay, S. A., T.B. Moorman, D.E. Clay, and K.A. Scholes. Sorption and degradation of alachlor in soil and aquifer material. *J. Environ. Qual.* (In review).

Clay, S. A., K. Brix-Davis, D.E. Clay, and T.E. Schmacher. Agrichemical management, movement, and maize yield: ridge-till vs. chisel plow. *J. Prod. Ag.* (In review).

Clay, S. A., D.E. Clay, Z. Liu, and S.S. Harper. 1996. The effect of ammonia on atrazine sorption and transport. In Meyer, M.T. and E.M. Thurman (eds) herbicide metabolites in surface water and groundwater. ACS Symposium Series. Washington, D.C. 630:117-124.

Liu, Z., S.A. Clay, D.E. Clay, and S.S. Harper. 1995. Ammonia impacts on atrazine leaching through undistributed soil columns. *J. Environ. Qual.* 24:1170-1173.

Liu, Z., S.A. Clay, D.E. Clay, and S.S. Harper. 1995. Ammonia fertilizer influences atrazine adsorption-desorption characteristics. *J. Ag. Food. Chem.* 43:815-819.

Clay, S. A., W.C. Koskinen, and J.M. Baker. 1995. Alachlor and metolachlor movement during winter and early spring in three midwestern sites. *J. Environ. Health part B*30:637-650.

Clay, S. A., K.A. Scholes, and D.E. Clay. 1994. Fertilizer shank placement impact on atrazine movement in a ridge tillage system. *Weed Sci.* 42:86-91.

Clay, S. A., D.E. Clay, W.C. Koskinen, and G. Malzer. 1992. Surface microrelief impact of alachlor and nitrate movement through soil. *J. Environ. Sci. Health B* 27:125-138.

Clay, S. A., W.C. Koskinen, and P. Carlson. 1991. Alachlor movement through intact soil core taken from two tillage systems. *Weed Tech.* 5:485-489.

Clay, S. A., R.R. Allmaras, W.C. Koskinen, and D.L. Wyse. 1988. Desorption of atrazine and cyanazine from soil. *J. Environ. Qual.* 17:719-723.

Clay, S. A. and W.C. Koskinen. 1990. Adsorption and desorption of atrazine, hydroxyatrazine, and S-gluthathione on two soils. *Weed Sci.* 38:262-266.

Clay, S. A. and W.C. Koskinen. 1990. Characterization of alachlor and atrazine desorption from soils. *Weed Sci.* 38:74-80.

Clay, S. A., W.C. Koskinen, R.R. Allmaras, and R.H. Dowdy. 1988. Differences in herbicide adsorption on soil using several soil pH modification techniques. *J. Environ. Sci. Health* B23:559-573.

Clay, S.A., D. E. Clay, K. A. Brix-Davis, T. Moorman, and K.A. Scholes. 1995. Alachlor and atrazine fate in the soil profile. American Chemical Society Meeting. Anaheim, CA.

DeSutter, T.M., D.E. Clay, and S. A. Clay. 1995. Agrichemical movement with wind eroded sediment. WEPP/WEPS-The new generation of water and wind erosion prediction technology. Soil and Water Conservation Symposium. Des Moines, IA.

Holman, P.W., D.E. Clay, A.R. Bender, S. A. Clay, and T.E. Schumacher. 1993. Aquifer sampling with a surface skimming device. Proceedings of the Soil Water Conservation Society, Water Quality meeting. March, 1993. Minneapolis MN.

Clay, S. A., K.A. Scholes, and D.E. Clay. 1993. Herbicide movement affected by agrichemical placement in a ridge tillage system. Proceedings of the Soil Water Conservation Society, Water Quality meeting. March, 1993. Minneapolis MN.

Clay, D.E., S. A. Clay, K. Brix-Davis, and K.A. Scholes. 1993. Nitrate movement affected by agrichemical placement in a ridge tillage system. Proceedings of the Soil Water Conservation Society, Water Quality meeting. March, 1993. Minneapolis, MN.

Zhoujing, L., Clay S. A., D.E. Clay, and S.S. Harper. 1993. Ammonia based fertilizer influence on adsorption of atrazine. Proceedings of the Soil Water Conservation Society, Water Quality meeting. March, 1993. Minneapolis, MN.

Clay, S. A., K.A. Scholes, and D.E. Clay. 1993. Fertilizer Shank placement impact on atrazine movement in a ridge tillage system. Agricultural Research to Protect Water Quality. Proc. of Conf. Minneapolis, MN.

Liu, Z., S.A. Clay, D.E. Clay, and S.S. Harper. 1993. Anhydrous ammonia influence on atrazine adsorption to soil. Agricultural Research to Protect Water Quality. Proc. of Conf. Minneapolis, MN.