

## Conservation tillage watershed papers relevant to CAP at the NAEW

Shipitalo, M.J., R.W. Malone, and L.B. Owens. 2008. Impact of glyphosate-tolerant soybean and glufosinate-tolerant corn production on herbicide losses in surface runoff. *Journal of Environmental Quality* 37:401-408. **(NAEW #446)**

Vadas, P.A., L.B. Owens, and A.N. Sharpley. 2008. An empirical model for dissolved phosphorus in runoff from surface-applied fertilizers. *Agriculture, Ecosystems and Environment* 127 (1-2):59-65. **(NAEW #449)**

Starr, G.C., Lal, R., Owens, L., and Kimble, J. 2008. Empirical relationships for soil organic carbon transport from agricultural watersheds in Ohio. *Land Degradation and Development* 19:57-64. **(NAEW #448)**

Izaurrealde, R.C., J.R. Williams, W.M. Post, A.M. Thomson, W.B. McGill, L.B. Owens, and R. Lal. 2007. Long-term modeling of soil C erosion and sequestration at the small watershed scale. *Climatic Change* 80:73-90. **(NAEW #442)**

Kimoto, A., M.A. Nearing, M.J. Shipitalo, and V.O. Polyakov. 2006. Multi-year tracking of sediment sources in a small agricultural watershed using rare earth elements. *Earth Surface Processes and Landforms* 31:1763-1774. **(NAEW #440)**

Blanco-Canqui, H., R. Lal, W.M. Post, R.C. Izaurrealde, and M.J. Shipitalo. 2007. Soil hydraulic properties influenced by corn stover removal from no-till corn in Ohio. *Soil & Tillage Research* 92:144-155. **(NAEW #438)**

Tan, Z., R. Lal, L. Owens, and R.C. Izaurrealde. 2007. Distribution of light and heavy fractions of soil organic carbon as related to land use and tillage practice. *Soil & tillage Research* 92:53-59. **(NAEW #437)**

Shipitalo, M.J. and L. B. Owens. 2006. Tillage system, application rate, and extreme event effects on herbicide losses in surface runoff. *Journal of Environmental Quality* 35:2186-2194. **(NAEW #435)**

Blanco-Canqui, H., R. Lal, W.M. Post, R.C. Izaurrealde, and L.B. Owens. 2006. Rapid changes in soil carbon and structural properties due to stover removal from no-till corn plots. *Soil Science* 171(6):468-482. **(NAEW #434)**

Polyakov, V.O., M.A. Nearing, and M.J. Shipitalo. 2004. Tracking sediment redistribution in a small watershed: Implications for agro-landscape evolution. *Earth Surface Processes and Landforms* 29(10):1275-1291 **(NAEW #408)**

Owens, L.B. and M.J. Shipitalo. 2004. Rate of soil carbon loss resulting from tillage. *Proceedings of ISCO 2004, 13<sup>th</sup> International Soil Conservation Organization Conference, Brisbane, Australia. July 2004. Paper 772* **(NAEW #403)**

Malone, R.W., S. Logsdon, M.J. Shipitalo, J. Weatherington-Rice, L. Ahuja, and L. Ma. 2003. Tillage effect on macroporosity and herbicide transport in percolate. *Geoderma* 116:191-215. **(NAEW #385)**

Shipitalo, M.J. and L.B. Owens. 2003. Atrazine, deethylatrazine, and deisopropylatrazine in surface runoff from conservation tilled watersheds. *Environmental Science & Technology* 37(5):944-950. **(NAEW #380)**

Hao, Y., R. Lal, L.B. Owens, R.C. Izaurralde, W.M. Post, and D.L. Hothem. 2002. Effect of cropland management and slope position on soil organic carbon pool at the North Appalachian Experimental Watersheds. *Soil & Tillage Research* 68:133-142. **(NAEW #379)**

Rhoton, F.E., M.J. Shipitalo, and D.L. Lindbo. 2002. Runoff and soil loss from midwestern and southeastern US silt loam soils as affected by tillage practice and soil organic matter content. *Soil and Tillage Research* 66:1-11. **(NAEW #375)**

Shipitalo, M.J., W.A. Dick, and W.M. Edwards. 2000. Conservation tillage and macropore factors that affect water movement and the fate of chemicals. *Soil & Tillage Research* 53:167-183. **(NAEW #350)**