log10 Org N (mg/L) 1.0 MDC = 18% MDC = 27% MDC = 20% 1.5 % Var Exp = 32.6 0.5 1.0 Observed Values Residuals 0.0 0.5 -0.5 0.0 0.2 0.4 0.6 0.8 1.0 before after (alfalfa) after after (corn) Fitted Values 0.8 0.8 9.0 9.0 0.4 0.4 0.2 0.2 Residuals Residuals 0.0 0.0 -0.2 -0.2 -0.4 -0.4 9.0-9.0-0.2 0.4 0.6 1.0 2014 2016 2017 8.0 2012 2013 2015 Fitted Values Year