



Figure S1. Example of a simulated changes of Min-N_{past} and ORG-N_{weed} with incorporation years of weed which have a single decomposition rate constant (k) and multiple decomposition rate constants (k_1, k_2, k_3).

Simulation conditions: Single decomposition rate constant, all organic matter has k of 0.42; Multiple decomposition rate constants, 25% of organic matter has k_1 of 0.10, 50% has k_2 of 0.42 and 25% has k_3 of 0.90.