

Erosion & soil health: a perspective on time

Late April 2012, 30 miles north of Columbia

Gullies following the planter rows (channeled by the planter furrow)

About 2.5 inches deep x 12 inches wide, 30 inches apart

Average erosion loss 1.0 inches of topsoil ($2.5 \times 12 / 30$)

Could be replaced by growing grass for 100 years





A cover crop protecting this field on April 29, 2012 would have had roughly the same impact as growing a cover crop for the next 100 years