

All systems except pasture losing soil organic carbon (1989 to 2012)

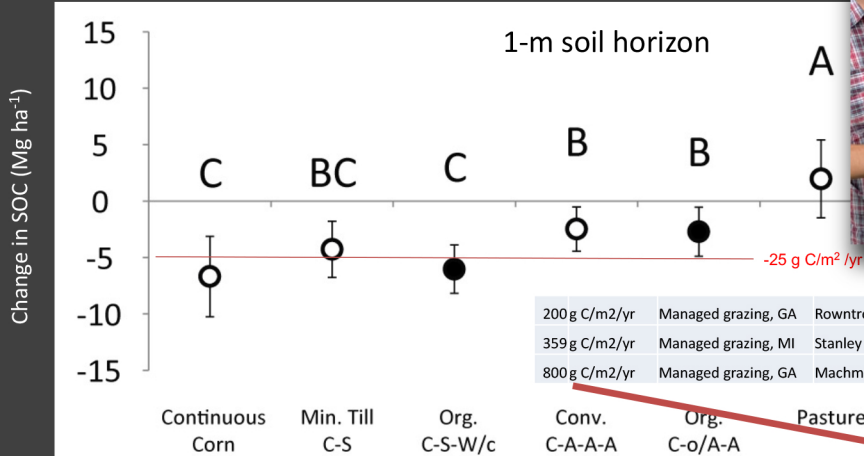


Assume gains of
10-70 g C m⁻² yr⁻¹

~20 g soil at
~2.5% SOC
~0.5 g C in hand

20-140
handfuls/m²/yr

Background soil
formation:
1-5 g C/m²/yr



200 g C/m ² /yr	Managed grazing, GA	Rowntree et al. 2020 Frontiers in Sustainable Food Systems
359 g C/m ² /yr	Managed grazing, MI	Stanley et al. 2018 Agricultural Systems
800 g C/m ² /yr	Managed grazing, GA	Machmuller et al. 2015 Nature Communications

400-1600 handfuls/m²/yr !!

Sanford et al. 2012