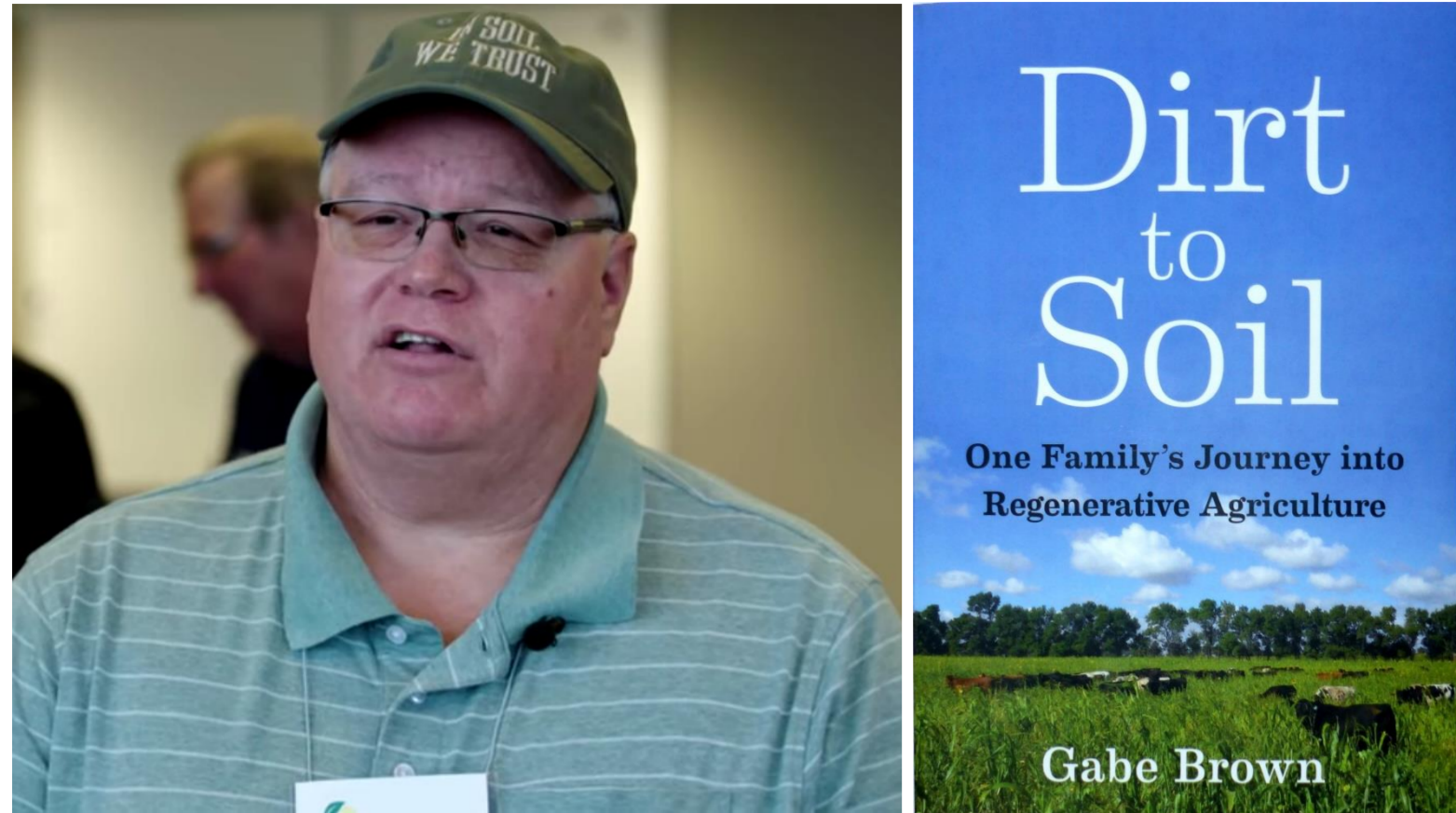
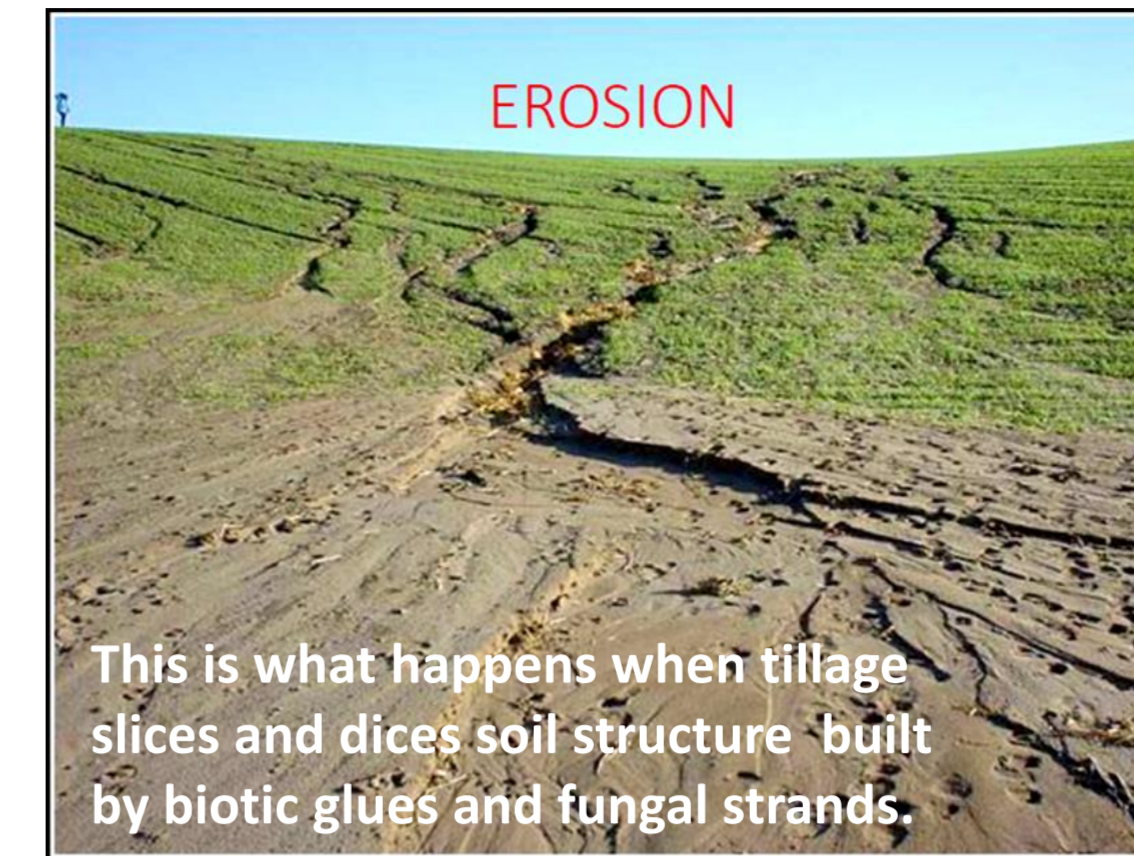


Gabe Brown's Five Principles of Regenerative Agriculture

Gabe Brown is a 26 year veteran of regenerative agriculture. His farm is in Bismarck, North Dakota.



1. Least amount of mechanical disturbance, preferably no-till



Dramatic increase in water infiltration on Brown's regenerative ranch

1991	2015
½"/Hour	15"/Hour
30 Fold Increase!	

Source: NRCS

2. No bare soil (Armour on the Soil)



Bare soil can become much hotter and evaporate more water



3. Diversity



Comparison of monoculture and 9 species mix



Polyculture cash crop, Oates, Barley, Peas, Flax, Lentils



1700 beneficial or indifferent insects for every one pest. (Dr. Jonathan Lundgren)

4. Living roots in the ground as long as possible



The seed drill plants the next crop into freshly crimped cover crop mulch, keeping roots in the ground the whole time.

5. Integrating Livestock



Gabe found that animal impact onto cropland was the missing link in taking soil health on cropland to another level. Here they are feeding on a cover crop before the cash crop is planted. It turns out hooves and fresh manure play an important role.