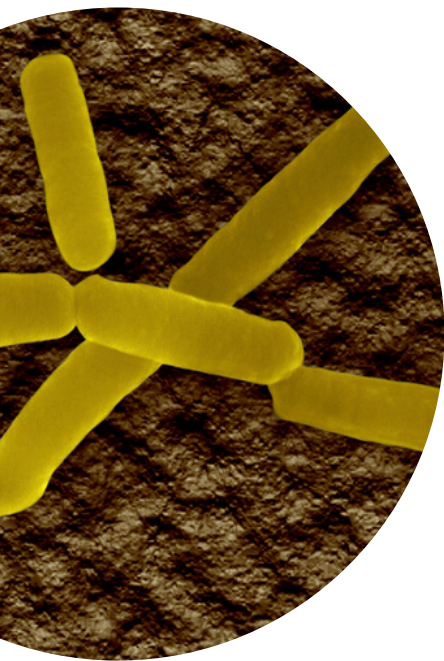


BENEFITS OF MANURE TO THE ENVIRONMENT



BUILDS SOIL ORGANIC MATTER

Soil organic matter maintains a healthy soil by encouraging microbial growth and protects our soils from soil loss by erosion. It is important to implement practices that build and maintain soil organic matter.

REDUCES SOIL EROSION

Raindrops can break soil particles and encourages them to move offsite with runoff. Surface applying of solid manure can coat the soil surface and reduce raindrop impact in the same way as crop residue, keeping the soil in place.



ORGANIC NITROGEN STABILITY

Organic Nitrogen is more stable than Nitrogen applied as commercial fertilizer. A significant fraction of manure Nitrogen is stored in a slowly released organic form. Commercial Nitrogen is applied as either nitrate or ammonium. Nitrate-N is water soluble and very mobile which can contribute to leaching.



ENERGY CONSERVATION

Recycling of nutrients from manure in a cropping system as opposed to manufacturing of new nutrient resources also provides energy benefits. Creation of commercial Nitrogen fertilizers consumes a significant amount of energy.



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TIMING MATTERS
RESPONSIBLE MANURE APPLICATION

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