

Manure Management & Application			
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Qualitative Benefits of the Practice	Cost of Implementation and Potential Income Loss	Potential Income Gain and Reduced/Avoided Costs	Your Judgment: Value Per Acre of This Practice on Your Land
<p>Encourages soil biological activity</p> <p>Provides a useful purpose for livestock manure, which could otherwise become a pollutant</p> <p>Raises soil organic matter levels and increases water-holding capacity of soil</p> <p>Avoids purchase of commercial fertilizers that are produced using fossil fuels</p> <p>The numbers in this table are broad estimates, and you should adjust them for your farm's conditions.</p>	<p>Application cost for liquid swine manure, about \$36/acre (<i>See Nutrients in Manure text box</i>); possibly higher if long haul distance.</p> <p>Manure testing, \$27 for basic nitrogen, phosphorus, & potassium test; 1 or 2 tests/season (3) .</p> <p>Management time to collect and send in samples, calculate crop nutrient needs and manure quantities required: estimate at \$20/hour and half an hour per field.</p> <p>Cost of manure purchase: frequently zero; cost is in getting it hauled and spread.</p> <p>Odor; personal value judgment on how offensive the manure odor is when it's being pumped and applied.</p>	<p>\$15.70/acre/year of nitrogen, phosphorus, potassium, and sulfur for each 1% of soil organic matter; it takes about a decade of regular manure application to raise the SOM by 1%. (<i>See Value of Soil Organic Matter textbox</i>)</p> <p>\$88.08 approximate value of the nitrogen, phosphorus, and potassium in 1000 gallons of manure (<i>See Nutrients in Manure text box</i>). This is an avoided cost: you don't buy this amount of commercial fertilizer because you have the nutrients in the manure.</p>	<p>Costs avoided: +</p> <p>Costs to pay: -</p> <p>Your judgment on value to your farm of qualitative benefits: +</p> <p>Value to society or environment: +</p> <p>Add up the total net value per acre per year:</p> <p>Multiply by a time frame (5 years? 10 years?)</p> <p>Total value over time:</p>