

Effect of soil management practices on biological function. Adapted from Giller et al. (1997)

Management practice	<u>Biological function</u>							
	Carbon sequestration	Nitrogen fixation	Organic matter redistribution	Nutrient cycling	Bioturbation	Soil aggregation	Population control	Residue decomposition
Burning	✓			✓		✓		✓
Shortening of fallow in slash& burn	✓							
Soil tillage	✓		✓	✓	✓		✓	✓
Pesticide application				✓	✓	✓	✓	✓
Fertilisation		✓	✓	✓	✓		✓	
Irrigation				✓	✓	✓		
Reduction in crop diversity		✓	✓			✓	✓	