

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

Management practice	Biological function							
	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	✓		✓			✓	✓	