

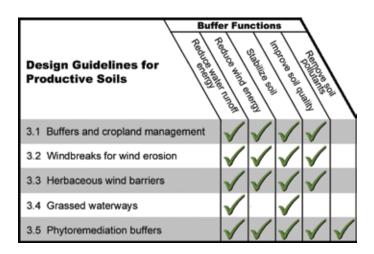
3. Productive Soils

Objectives

- Reduce soil erosion
- *Increase soil productivity*

Buffer functions

- 1. Reduce water runoff energy
- 2. Reduce wind energy
- 3. Stabilize soil
- 4. Improve soil quality
- 5. Remove soil pollutants



Additional Design Guidelines that may Benefit Productive Soils					
1.1 Buffers and land management	1	1	1	1	/
1.4 Target buffers in watersheds	\	/	/	√	√
1.6 Buffer site design	/		/		
1.7 Variable buffer width	/		/		
1.8 Effective buffer area ratio	1		1		
1.10 Buffers for sediment	\		/	\checkmark	\checkmark
1.18 Allowances for bank erosion			/	/	
1.20 Vegetation for removing pollutants	√		/	\	\checkmark
1.21 Stiff-stemmed grass barriers	1		1		
1.22 Vegetation for bank erosion control			/	\checkmark	
4.4 Windbreaks and crop yields	1	1	/		\checkmark
4.5 Alley cropping	√	/	/	\checkmark	\checkmark
5.10 Waterbreaks	/		/		
7.4 Soil erosion and trail recreation	V	/	/		