



Photo courtesy of USDA NRCS

Field/Site:
Name:
Area (Acres or 1000 ft <sup>2</sup> ):
Farm No.
Tract No.
Date:
Planned by:

### Definition

The establishment of permanent vegetation on sites that have or are expected to have high erosion rates, and on sites that have physical, chemical or biological conditions that prevent the establishment of vegetation with normal practices.

### Conditions where practice applies

On areas with existing or expected high rates of erosion or degraded sites that usually cannot be stabilized by ordinary conservation treatment and/or management, and if left untreated, could be severely damaged by erosion or

sedimentation or could cause significant off-site damage. Examples are dams, dikes, mine spoils, levee cuts, fills, surfaced mined areas, and denuded or gullied areas. The practice also applies to vegetating concentrated flow channels such as natural or constructed waterways.

### Seedbed preparation and seeding

Incorporate required amendments to depth of 3 inches leaving a firm seedbed free of large clods, stones, and debris larger than 6 inches in diameter. Seedbed must be firmed with a cultipacker/cultimulcher, harrow, or similar tool designed to break clods, level, and firm the seedbed. Seedbeds are considered firm when footprints leave no more than a 1/2 inch deep depression. Apply seed uniformly at a depth of 1/4-1/2 inch with a drill or cultipacker type seeder. Broadcast methods are acceptable where the seed will be applied uniformly and covered 1/4-1/2 inch deep with a cultipacker/cultimulcher, harrow, or similar tool designed to break clods, level, and firm the seedbed.

**Sketch of Area to be treated**



**Seed, Lime, and Fertilizer (Specify rates per acre or per 1000 ft<sup>2</sup>)**

Materials	Kind	Rate per acre or per 1000 ft <sup>2</sup>	Total
Lime			
Nitrogen(N)			
Phosphorus(P <sub>2</sub> O <sub>5</sub> )			
Potassium (K <sub>2</sub> O)			
Companion Crop			
Seed (PLS#/Ac.)			
Mulch			
Anchor			

<b>Seeding Dates:</b>	
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Seed must meet requirements of Illinois Seed Laws

- Seed lots must be labeled with purity and germination, the tests must have been performed within the last nine months of seeding
- Introduced seed must have at least 80 % Pure Live Seed (PLS), Native grass seed shall be at least 50% PLS

$$\text{PLS \%} = \frac{(\% \text{ Germination} + \% \text{ Dormant}) \times \% \text{ Purity}}{100}$$

$$\text{Bulk seed needed} = \frac{\text{PLS Seeding Rate}}{\text{PLS \%}}$$