



Natural Resources Conservation Service East National Technology Support Center

Hydroseeding

- · Suited for steep slopes and inaccessible areas
- · Reseeding is often necessary

Hydroseeding Warm Season Grasses

- Apply seed, soil amendments and 5 to 10% of total fiber mulch in the 1st pass
- Incorporate seeded area with cultipacker, roller, or dozer cleats
- Apply the balance of mulch plus tackifer or bonded fiber matrixes in the last pass

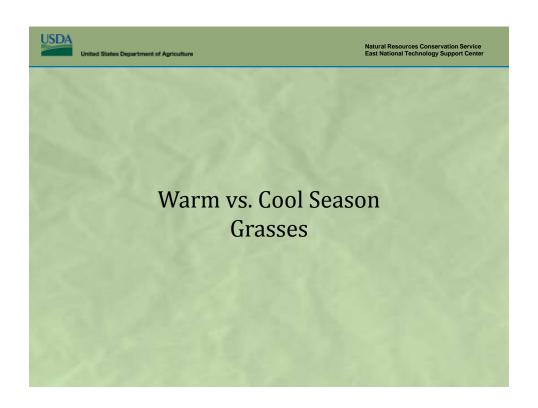




Mulching

- Provides temporary erosion control
- · Conserves moisture, aiding germination and survival
- Reduces surface compaction or crusting and improves infiltration
- · Reduces weed pressure
- Moderates temperature fluctuations
- · Adds organic matter
- Protects broadcast seed from predators







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Erosion Control and Water Quality

Warm Season

- Long term benefits for erosion control and sediment trapping
- · More overall biomass
- · Nutrient uptake in summer

Cool Season

- Short and long term benefits for erosion control and sediment trapping
- Nutrient uptake in early spring and late fall



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Establishment

Warm Season

- Usually need specialized seed drill to plant
- Seed may be more expensive and less available
- Slow to germinate and need 2 to 3 years for establishment
- · Can only be planted in the spring
- Weed competition may be a problem
- Tolerate poor soils
- Seedlings and established stands are drought tolerant

Cool Season

- Plant with a conventional drill
- Relatively inexpensive and readily available
- Seeds germinate quickly and well established in 1 to 2 years
- Can be seeded in spring or late summer
- Weed competition is less during establishment because of quick growth
- Higher seedling mortality and thinning of stands during drought periods



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Maintenance

Warm Season

- Maintained by prescribed burning or mowing to 6 inches removing residue ever 3 to 4 years
- Long lived and usually do not require reseeding
- Hayed or grazed with careful management
- Selective herbicides available for weed control

Cool Season

- Maintained by mowing on 2 to 3 year rotation
- Mature stands may thin and need reseeding
- Easier to maintain manage grazing and haying
- Selective herbicides available for weed control

