



Natural Landscapes, Inc.

Specializing in the Restoration and Installation of Prairies, Wetlands, Shorelines and Water Gardens

Services Provided

- Storm Water Management – Design and Installation
- Wetland, Woodland and Prairie Restoration
- Natural Landscape Management and Monitoring
- Invasive Plant Management
- Shoreline Enhancement
- Wetland Delineation
- Water Garden Design and Installation

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What is a native plant?

All plants that were existing in a particular region prior to the arrival of European settlers.



What is a weed?

an undesirable plant



purple loosestrife
reed canary grass
crownvetch
poison ivy
cattail?
ragweed?



Why use native plants?

- extremely long-lived and hardy
- will thrive in low nutrient soils
- drought tolerant
- produce beautiful colors and textures
- beneficial to local birds and insects
- low maintenance
- environmentally friendly
- outcompete weeds



Plant Selection

Based on site conditions.

- Amount of sunlight – full sun or shade?
- Hydrology – upland or wetland?
- Soils – clay or sand?



Site Preparation

- Old Field - mowing / herbicide application / cultivation
- Previously Cropped – remove plant matter / scarify soil's surface
- Freshly Graded Soils – power raking – harrowing



Seeding Rates and Methods

- Seeding Rates
 - Native Seed - 10 total lbs per acre (7.0 lbs grasses + 3.0 lbs per acre forbs)
 - Cover Crop or Nurse Crop – annual rye / winter wheat / oats
- Seed Installation – spring or fall preferably
 - Hand Broadcast
 - Mechanical Broadcast
 - No Till Drill – drill seeder
 - No Till – impressive results, so far so good



Prairie Seeding



Prairie Seeding



Planting Rates and Methods

- Planting Rates
 - Ponds – 1 plant per linear ft – x 2
 - Prairies – 1 plant per square ft
- Planting Methods – spring, summer or fall
 - Plugs – 2 1/2 “ pots – nursery grown - prairie
 - Rootstock – bareroot tubers, rhizomes – wetland emergent zones



Wetland Emergent Plantings



Wetland Emergent Plantings



JUL 17 2007

Management – Spot Herbicide



Management – Selective Cutting



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Management – Selective Cutting



Management - Burning



Management – Spring Mowing



Management – Late Spring Mowing



Management – Fall Mowing



Before and After



Before and After



Follow Up Work

- Additional Plantings
- Erosion
- Seedling Identification
- Invasive Plant identification / Management
- Annual Mowing / Burning
- Prairie Therapy

