NORTH CENTRAL

BIOMASS FEEDSTOCK PARTNERSHIP

Environment Workshop

August 15-17, 2006

Sioux Falls, SD

Long-Term Sustainable Residue Removal:

- No silver bullet rate of removal
- We need to get a richer understanding of what regionalized conditions can support for different feedstocks
  - Ongoing monitering, remote sensing, modeling
- We need to develop best practices for residue removal without negative environmental impacts:

Inevitable Feedstock Variability

- Specific local conditions necessary to develop feedstock system.
- Soil and climatic variance will drive variability regardless of uniform varieties
- Mixtures provide additional wildlife, soil and water benefit as well as risk management for extreme climate events
- Ensuring that the plant can take advantage of a variety of feedstocks available in region and through changes

Perennials!

Perennials represent the biggest opportunity to improve soil, water, wildlife and agricultural energy efficiency benefits while generating a potentially significant biomass resource:

- What do we need to continue learning to prepare for this feedstock?

Efficient Perennial Feedstock Support System

- Key items considered
- Outline of model options discussed
  - Model 1: CRP or CRP like Program
  - Model 2: Federal Support Program Similar to Federal Commodity Programs
  - Model 3: Perennial Incentive Payment Allocated to the Plant

Siting Plant

- Manage the environmental risk in siting facilities
- Plant Technology Choices Impact Feedstocks and Environment, vice versa
- Permitting issues
- Sustainable feedstock supply