



# Organic Nutrient Management Value Network Opening Session

Date, Time

Facility, Location



Ohio is a state blessed with diversity in its people, climate, geography, natural resources, economy and agbioresource industry. The state has leveraged this diversity and flexibility to create opportunities for economic growth, a high quality of life for its citizens and enhancement of natural resources.

# Organic Nutrient Management Process Flow

## 1 Sources

- Agricultural/NR
  - Livestock
- Industrial
  - Food Processing
  - Ethanol
  - Biodiesel
- Municipal
  - Biosolids
- Processed Combinations
  - Compost
  - AD Effluent

## 2 Valuation

- Classification
  - Regulation
- Forms
  - Liquid
  - Semi-Solid
  - Solid
- Valuation
  - Nutrients
  - Liability

## 3 Transportation / Storage

- Standards
  - In / Out Methods
- Sites
  - On,
  - Remote Ind.
  - Farm
- Systems
  - Lagoons
  - Tanks
  - Cost Sharing

## 4 Land Accessibility

- Nutrient Needs
  - Crop Rotations
- Economic Concerns
  - Production "Drag"
  - Contract Term
- Environmental Concerns
  - Watersheds
- Social Concerns
  - Neighborhoods

## 5 Application

- Regulation
  - Acceptable Methods
- Seasonal Limitations
  - Crop Rotations
  - Trafficability
- Application Systems
  - Speed and Timing
  - Operational Costs
  - Management / Maintenance

## 6 Utilization

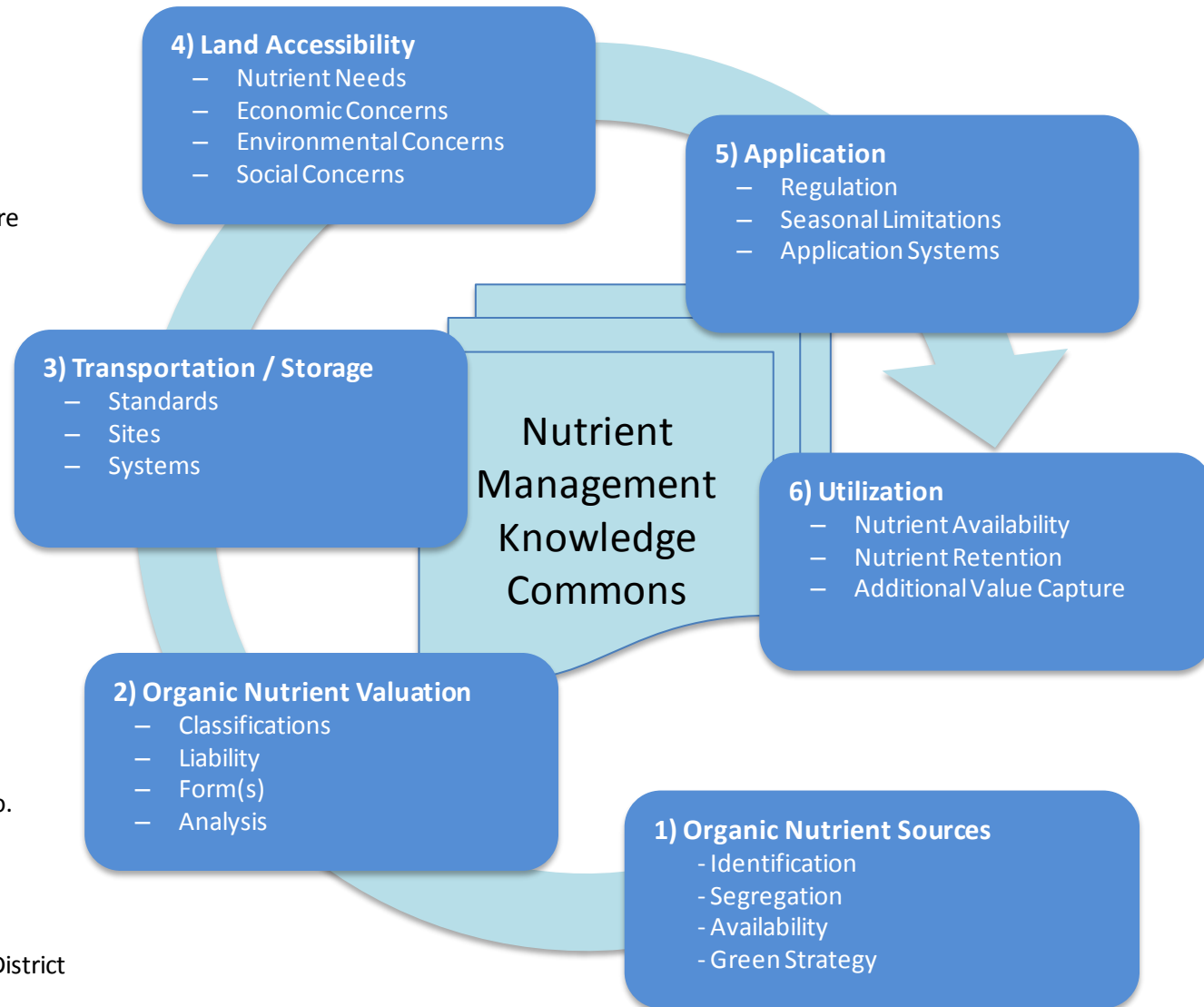
- Nutrient Availability
  - Crop Stages
  - Season-Long Access
- Nutrient Retention
  - Incorporation
  - Cover Crop
- Additional Value Capture
  - Moisture
  - Nutrient Removal Systems



# Organic Nutrient Management Value Network

## Know-How at the Table:

- **Organic Nutrient Sources**
  - Agricultural Production Waste
  - Industrial Processing Waste
  - Municipal Bio-solids
  - Processed Combinations
- **Organic Nutrient Valuation**
  - Ohio Department of Agriculture
  - Ohio EPA
  - OSU OCAMM
  - OSUE Agronomy
  - Others
- **Transportation / Storage**
  - Construction
  - Engineering
  - NRCSEQIP
  - Waste Manager
  - Others
- **Land Accessibility**
  - Agronomy Supplier
  - Crop Producers
  - Watershed Partner Org.
  - Others
- **Application**
  - Custom Applicator
  - Pump / Irrigation / Dragline Co.
  - Weather Intelligence
  - Others
- **Utilization**
  - Certified Crop Consultant
  - Soil and Water Conservation District
  - Others



# Organic Nutrient Management Investment Portfolio

## Know-How at the Table:

- **Organic Nutrient Sources**
  - Agricultural Production Waste
  - Industrial Processing Waste
  - Municipal Bio-solids
  - Processed Combinations
- **Organic Nutrient Valuation**
  - Ohio Department of Agriculture
  - Ohio EPA
  - OCAMM
  - OSUE Agronomy
  - Others
- **Transportation / Storage**
  - Construction
  - Engineering
  - NRCS EQIP
  - Waste Manager
  - Others
- **Land Accessibility**
  - Agronomy Supplier
  - Crop Producers
  - Watershed Partnership Org.
  - Others
- **Application**
  - Custom Applicator
  - Pump / Irrigation / Dragline Co.
  - Weather Intelligence
  - Others
- **Utilization**
  - Certified Crop Consultant
  - Soil and Water Cons. District
  - Others

