Sugarbeet Industry Priorities – FY15
(Not in Priority Order)

SOIL MANAGEMENT
• Soil Health / Quality
  o Drainage
  o Tilth
  o Water Holding Capacity
  o Soil pH
  o Manure Impacts
  o Lime
  o Cover Crops (e.g. Oilseed Radish, Clover, etc.)
• Compaction
  o Pinch Rows
  o Impact of first pass
• Wind Erosion
  o Cover Crops
  o Residue – How Much (%)
  o What are the other impacts of residue

STAND ESTABLISHMENT (Fall vs. Spring)
• Emergence
• Tillage (Fall vs. Spring)
• Seedbed Preparation…Stale Seedbed

INSECTS
• Tarnish Plant Bug (Lygus)
• Root Aphids (below ground)
• White Grubs (True/Annual)
• Seed Treatments

DISEASE MANAGEMENT
• Rhizoctonia Control
  o Fungicides Resistance Management
  o Tolerant Varieties
• Cercospora Leafspot Management
  o New Fungicides
  o Resistance with fungicides
• Alternaria Leaf Spot
  o Resistance
• Aphanomyces
  o Impact
• Rhizomania
• Fusarium
• Sugarbeet Cyst Nematode
• Seedling Disease Interactions
• Seed Treatments

VARieties
• Risk Management Traits
• Soil Type Impacts
• Smooth Root
• High: Sugar, RWSA, RWST
• Good Disease Packages
• Seed Treatments

ECONOMY (SOUND ECONOMICS)
• Cost Analysis / Comparison
• Bottom Line Impact
• Risk Management

FERTILIZER
• Starter
  o Liquid vs. Dry
  o In-Furrow vs. Banded
  o Mn and B
  o Fertility recommendation for row spacing
• Heavier Residue Impact
• Soil pH
• Grid Sampling (Variable Rate Tech.)
• Lime Sources
• Nitrogen Management
• Foliar Feed Benefits
• Effects with fertilizers and sugar purity
• Difference in row spacing and amount of fertilizer needed

WEED CONTROL
• Timing (Temperature Impact)
• Fungicide Interaction
• Reduce Herbicide Injury
• Sugarbeet Competition with Weeds
• Herbicide Resistances (e.g. Waterhemp, Horseweed, Palmer Amaranth)
• Controlling Roundup Ready Canola

STORAGE
• Improving Beet Storage

TOPPING / HARVESTING
• Improving Sugarbeet Defoliation
• Reduce Harvest Loss
• Respiration on Beet Storage