

Green Dots ROCK!!!

St. Pat's day is almost here😊

Climate variability

- Problem: Limited flexibility at enterprise level, impacted by climate variability. Many enterprises operate on limited funds and slight shifts in climate may have economic impact.
- Objectives:
 - Influence of climate variability on production systems at the enterprise level.
 - Retrospective analysis of climate and production variables
- Tools:
 - Drought response strategies to include drought recovery
 - Enterprise flexibility in responding to variability

Monitoring/Assessment

- Problem: Increase ability to make informed management decisions at multiple scales in space and time by integrating multiple information sources.
- Objective:
 - Crosswalk ground-base sampling with remote sensing
 - Integrating legacy data from Fed. Land and Private land into remote sensing and retrospective analysis of effectiveness of management practices
 - Align monitoring metrics with management outcomes.
- Tools:
 - Techniques and protocols for cross-walking data from various sources. (e.g. plot to landscapes)

Restoration of degraded systems

- Problem: Identification of what sites at a landscape scale to restore and appropriate restoration practices.
- Objective:
 - Understand the ecology of restoration, failures and successes.
 - Multi scale triage
 - Use of multiple tools including livestock grazing
- Tools:
 - Decision support tool for identifying key sites
 - Management tools including cattle, goats and sheep
 - New plant materials

Forage-based systems

- Problem: Lack of information, research needs for consistency for grass fed beef. This question goes across disciplines; production of animal; what is product endpoint (quality and consistency), human nutrition—matching forage quality with animal needs.
- Objective:
 - Matching forage quality with animal needs
 - Increase uniformity of end-product and quality and production system
 - Work with NP 101 and human nutrition NP to develop cross-program emphasis.
 - Impact of grass-based systems on the ecosystems services
- Tools:
 - Decision support system, forage quality for finishing
 - Standards of quality; operational and product
 - Extending the grazing season (including plant materials)