

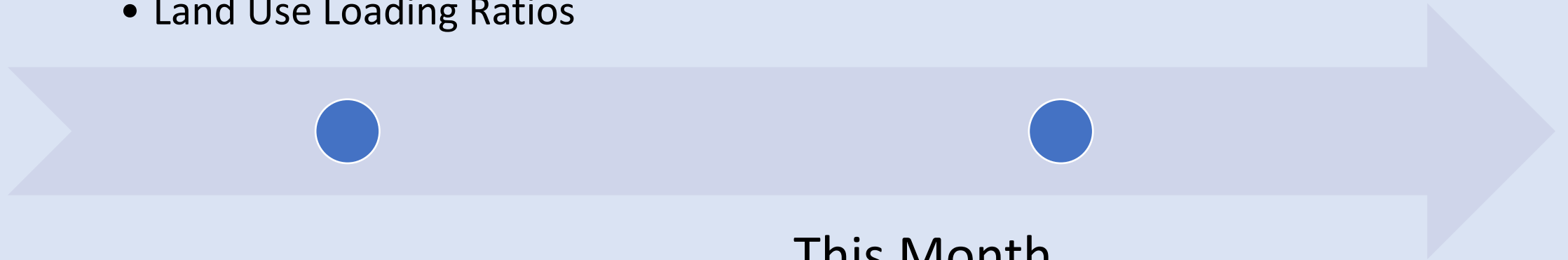
AMT Recap

4/12/24

Recap:

Last Month

- Crop yields
- Land Use Loading Ratios



This Month

- Crop yields sandbox decision
- Manure acres

Some things to gear up for (NOT exhaustive):

- **Manure Production Factors**

- Issue: We have at least one instance in which a layer operation of 5 million birds was not counted. These must be factored in.
 - Improvement: Animal population estimates.
- Issue: The use of Animal Units to represent manure generation excludes variability in species across areas.
 - Improvement: Manure generation estimates.

- **Fertilizer values**

- Issue: There are concerns that the current fertilizer data source is inadequate and should be replaced/supplemented with multiple lines of evidence.
 - Improvement: Fertilizer data source.

- **Nitrogen fixation**

- Issue: There are concerns that Legume Nitrogen fixation in CAST is too high.
 - Improvement: Nitrogen Fixation.

- **Nutrient Applications**

- Issue: Rate of allowable application above the application goal is uncapped.
 - Improvement: Manure and Fertilizer application methodologies.
- Issue: When manure is transported out of a county it is replaced by fertilizer and can increase loads.
 - Improvement: Manure and Fertilizer application methodologies.
- Issue: There are concerns that using a watershed wide fertilizer bucket is not accurately representing each states fertilizer use and splitting this for each state would be more accurate
 - Improvement: Fertilizer application methodology.

Questions?