

Ag Modeling Team Update

1/7/2025

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Agricultural Modeling Team (AMT)

Phase 7

Agricultural Inputs

Decision making

A big question: Manure applications

Manure is county specific

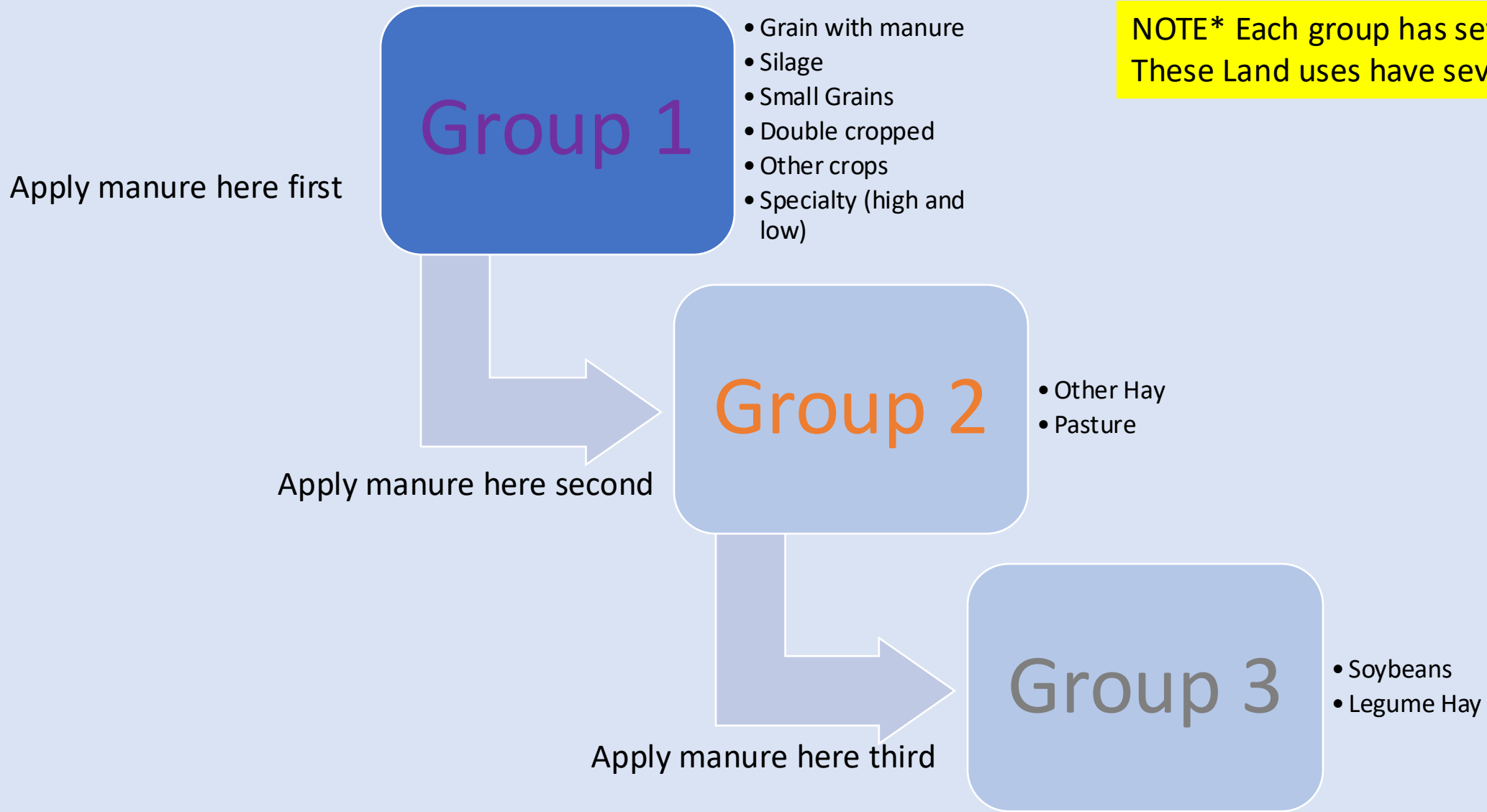
Application occurs to Land Uses in CAST

- Land Uses have multiple crops

The application process has a preferred sequence

Always looking to improve

Recap: Order of application



NOTE* Each group has several Land Uses.
These Land uses have several crops

Recap:

Group 1

- Grain with manure
- Silage
- Small Grains
- Double cropped
- Other crops
- Specialty (high and low)

Group 2

- Other Hay
- Pasture

Group 3

- Soybeans
- Legume Hay

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Group 1

- Grain with manure
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Group 2

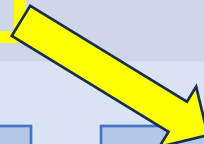
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Group 4

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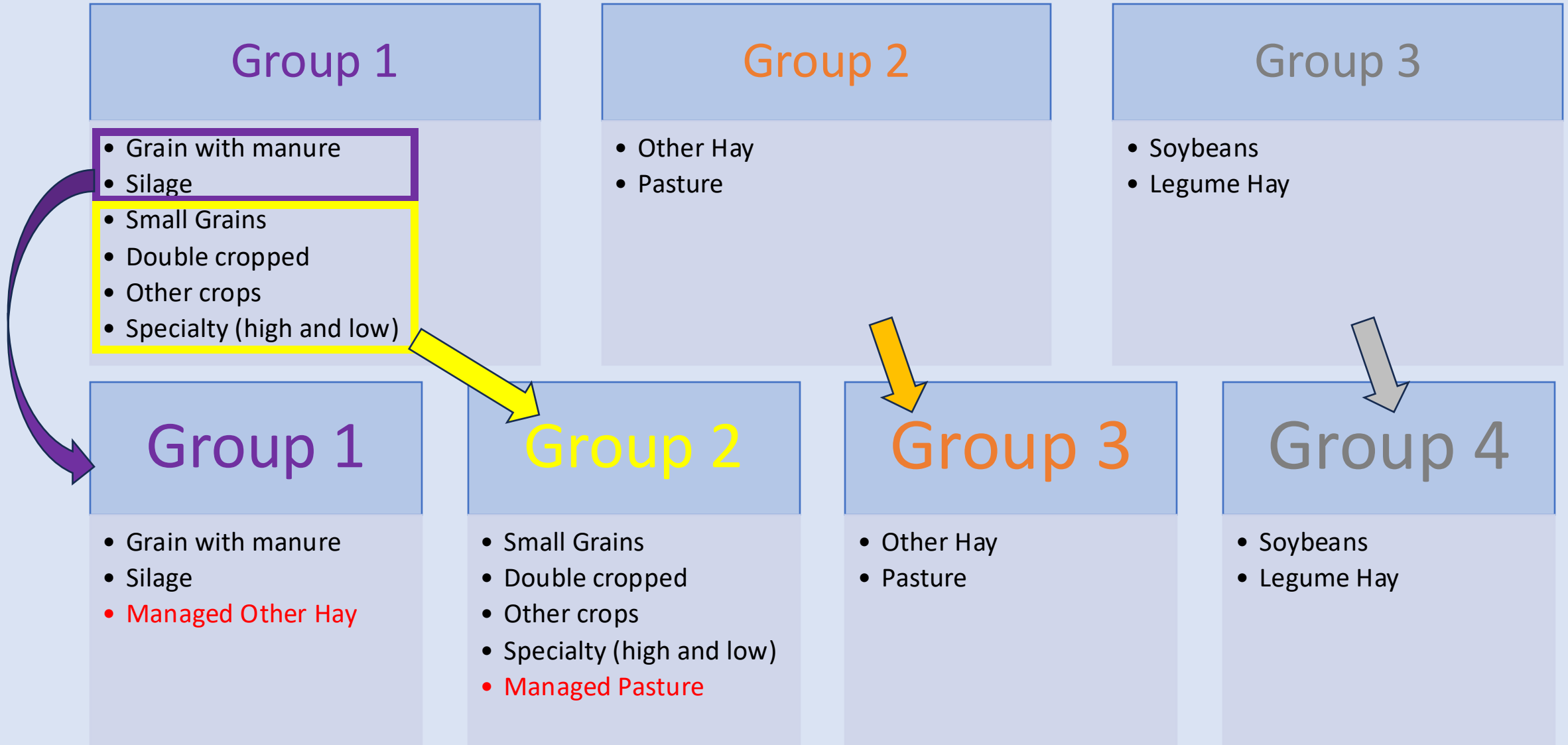


Recap: A concern

Behavior of Hay and Pasture is not adequately represented by current Land Uses

Unrealistic manure applications Hay and Pasture Land Uses – Virginia

A potential Path Forward:



What's next?

- AMT meeting this Friday
- Discussion and decisions to come
- Additional topics
 - Inorganic Fertilizer investigation
 - Crop Yield improvements

Questions?