

What are we currently doing in the AMT?

AMT

2/9/2024

Current focus topics:

Crop Yields

- Determine accurate yield trends

Land Uses

- Should we keep the current Land Uses in CAST?
- How do we calculate manure eligible acres for certain Land Uses?
- What impact do Loading Rates have on CAST?

What is happening with everything?

- First we began looking at crop yields
 - That work is ongoing with monthly updates
- Second we began to look at whether to change the existing Ag Land Uses in CAST
 - From this topic we had two big questions pop up:
 - Do the Loading Rates for each Land Use matter?
 - Do manure specific Land Uses have accurate acre amounts?
 - We need to remember that this all centers around the Land Use discussion.

Crop Yields:

Main Goal:

- Getting accurate yield trends for as many crops as possible

How will we accomplish this?

- Monthly progress updates
- Incorporating feedback from group discussions

Land Uses

Main Goal:

- Determine if we want to change CAST's current Ag Land Uses.

How will we accomplish this?

- Examine the impact of existing Loading Rates.
- Improving Land Use specific manure acre calculations.

Land Uses

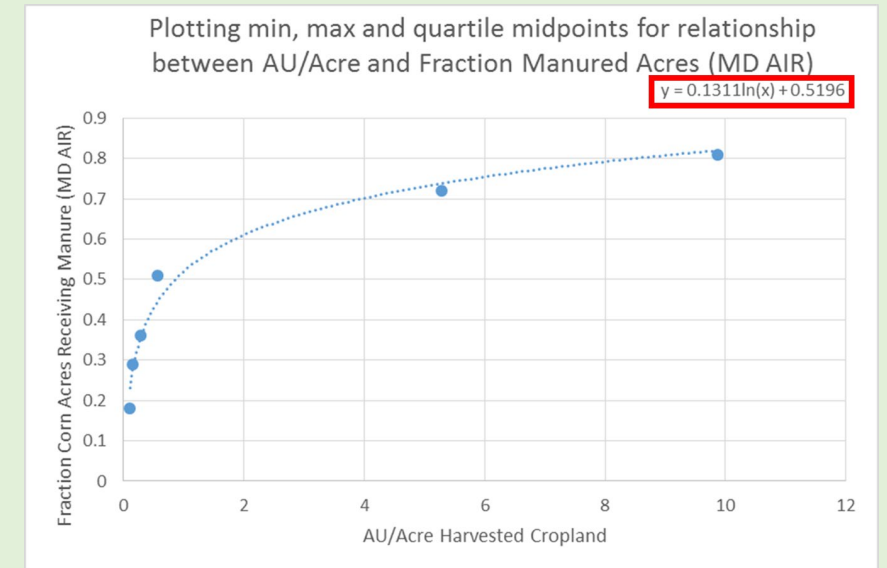
- Why are we investigating Loading Rates?
 - We want to know what the best ones are for the group
- Why are we investigating manure acres?
 - Several Land Uses are differentiated by their ability to accept manure

Chesapeake Bay Average			
Land class	Land Use	Loading Rate Ratio	Loading Rate (pounds per acre per year)
Cropland	Double Cropped Land	0.79	30.9
	Full Season Soybeans	0.71	27.7
	Grain with Manure	1.4	54.7
	Grain without Manure: Reference land use	1	39.1
	Other Agronomic Crops	0.45	17.6
	Silage with Manure	1.62	63.3
	Silage without Manure	1.16	45.3
	Small Grains and Grains	0.84	32.8
	Specialty Crop High	1.34	52.4
	Specialty Crop Low	0.31	12.1
Pasture	Ag Open Space	0.43	5.1
	Legume Hay	0.74	8.7
	Other Hay	1.04	12.3
	Pasture: Reference Land Use	1	11.8

Land Uses

- Why are we investigating manure acres?
 - Several Land Uses are differentiated by their ability to accept manure
- Why are we investigating Loading Rates?
 - We want to know what the best ones are for the group

Grain with Manure	1.4	54.7
Grain without Manure: Reference land use	1	39.1



Where is all this headed?

- We are working towards improved:
 - Crop Yield Trends
 - Ag Land Use categories
- To address the topic of Land Uses we have been asked to:
 - Discuss the current methodology for calculating manure and manure acres in relevant Land Uses.
 - Investigate the impacts of changing the Land Use Loading Rates

Questions?