

# Fertilizer Update

04/06/2023

Driven by specific requests from the PSC

**PSC Decision 2 Address Fertilizer Issues:** The partnership will convene a committee to develop short-term, interim resolutions to fertilizer data concerns before moving forward with CAST 2021 as well as long-term resolutions for Phase 7 model.

# Progress

## Fertilizer Expert Group (Short term):

- Group [webpage](#)
  - [Charge](#) and timeline
- First meeting [March 6<sup>th</sup>](#)

## Agricultural Modeling Team (Long term):

- Met [March 10<sup>th</sup>](#)
  - Created a [workplan](#)

# Fertilizer Expert Group discussion topics

Fertilizer Data Option	Description
Association of American Plant Food Control Officials (AAPFCO)	Continue the status quo.
State reported fertilizer sales tonnage	Replacing or supplementing AAPFCO with state reports of fertilizer sales tonnage.
USDA NASS Survey data	Examine the feasibility of developing new surveys or using alternate surveys.
Fertilizer industry data	Engaging with fertilizer companies to determine what data could be collected to inform fertilizer applications.
Other	Any alternative ideas not mentioned above.

# Fertilizer Expert Group takeaways

PA and DE reported fertilizer sales tonnage data show historic agreement with AAPFCO data and reduced latency.

Current USDA-NASS surveys do not have improved fertilizer data compared to AAPFCO.

It is possible to create new NASS surveys but financial and time constraints will likely limit their usefulness

Multiple organizations, including Plant Nutrition Canada and The Fertilizer Institute, utilize AAPFCO data to determine fertilizer applications.

# Next steps:

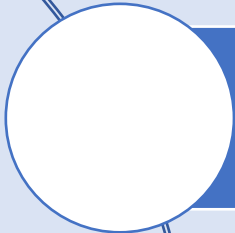

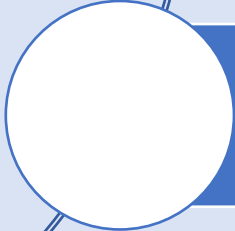


Follow up meetings, 1<sup>st</sup> Monday of each month through June

Collect state fertilizer sales tonnage data from MD, NY, WV, VA and compare to AAPFCO.

Coordinate a meeting with Plant Nutrition Canada to compare the processing of AAPFCO data to the CBPO methods.

# Next steps:

-  Follow up meetings, 1<sup>st</sup> Monday of each month through June
-  Collect state fertilizer sales tonnage data from MD, NY, WV, VA and compare to AAPFCO.
-  Coordinate a meeting with Plant Nutrition Canada to compare the processing of AAPFCO data to the CBPO methods.

# Where does the data collection stand?

Jurisdiction	Does CBPO currently have data?	Description of progress towards getting data:
MD	<b>No</b>	<b>Working with their database to compile data. (as of 3/20/23)</b>
PA	<b>Yes</b>	<b>Finished</b>
NY	<b>No</b>	<b>Working to compile reports into a new database for 2021 year (as of 3/20/23)</b>
VA	<b>No</b>	<b>Working with their database to compile data. (as of 3/20/23)</b>
DE	<b>Yes</b>	<b>Finished</b>
WV	<b>No</b>	<b>There has been no contact with data managers in several months (as of 3/20/23)</b>



# Overall progress

Solution	Activity	Completion	Comments	Total Percent Finished
Phase 6 short term (FEG)	Meet individually with jurisdictions to discuss data	<b>X</b>		<b>36</b>
	Discuss initial findings with CBP advisory group	<b>X</b>		
	Hold first full group meeting of FEG	<b>X</b>		
	Complete data review of preprocessing methods and ag inputs		In progress	
	MB informal briefing		Happens monthly	
	USDA presentation to AgWG and WQGIT		Presentation to the AgWG is done	
	Analyze compatability of new data sources		In Progress through June 2023	
	Summarize investigation results and brief PSC			
Phase 7 long term (AMT)	Participate in Phase 6 solutions		In progress through jJune 2023	
	Create living workplan document outlining order of tasks	<b>X</b>		
	Make decisions for Phase 7 model		In progress through 2025	

Questions?