

# State reported fertilizer sales tonnage data

Tom Butler, EPA

3.6.23

# Outline

Define data sources

Initial findings

Data comparison

# What do we mean by state reported?

AAPFCO is already state data

- Combination of state reported fertilizer sales tonnage

Individual states have their own tonnage sales reports

- We are focused on the potential of these

# We have already done some digging:

## Differences:

- Reporting period
  - fiscal vs calendar
- Reporting format availability
- Historic data accessibility

## Similarities

- Tonnage information
- Can define farm and nonfarm categories
- Can provide county level reporting

# Some more digging:

Data set	Reporting format availability	Reporting period	Data Latency	Historical data records	Data resolution
AAPFCO	UFTRS	Fiscal year	2017	1985	County
DE	UFTRS	Calendar year	2021	2000	County
MD	UFTRS	Fiscal year	2021	2000	County (Baltimore City)
NY	Tentative	Tentative	Tentative	1985 (AAPFCO Records)	County
PA	UFTRS	Fiscal year	2021	2010	County
VA	UFTRS	Fiscal year	2021	2018 (paper beyond)	County ( some municipalities)
WVA	UFTRS	Calendar year	2021	2008	County

UFTRS: Uniform Fertilizer tonnage Reporting System

Fiscal year: For example, July 2000 – June 2001 = “2001”

Calendar year: January 2001 – December 2001 = 2001.

# How do states compare to AAPFCO?

Reports which were given to AAPFCO were received from several states:

PA, DE



Compared the state reports and AAPFCO values

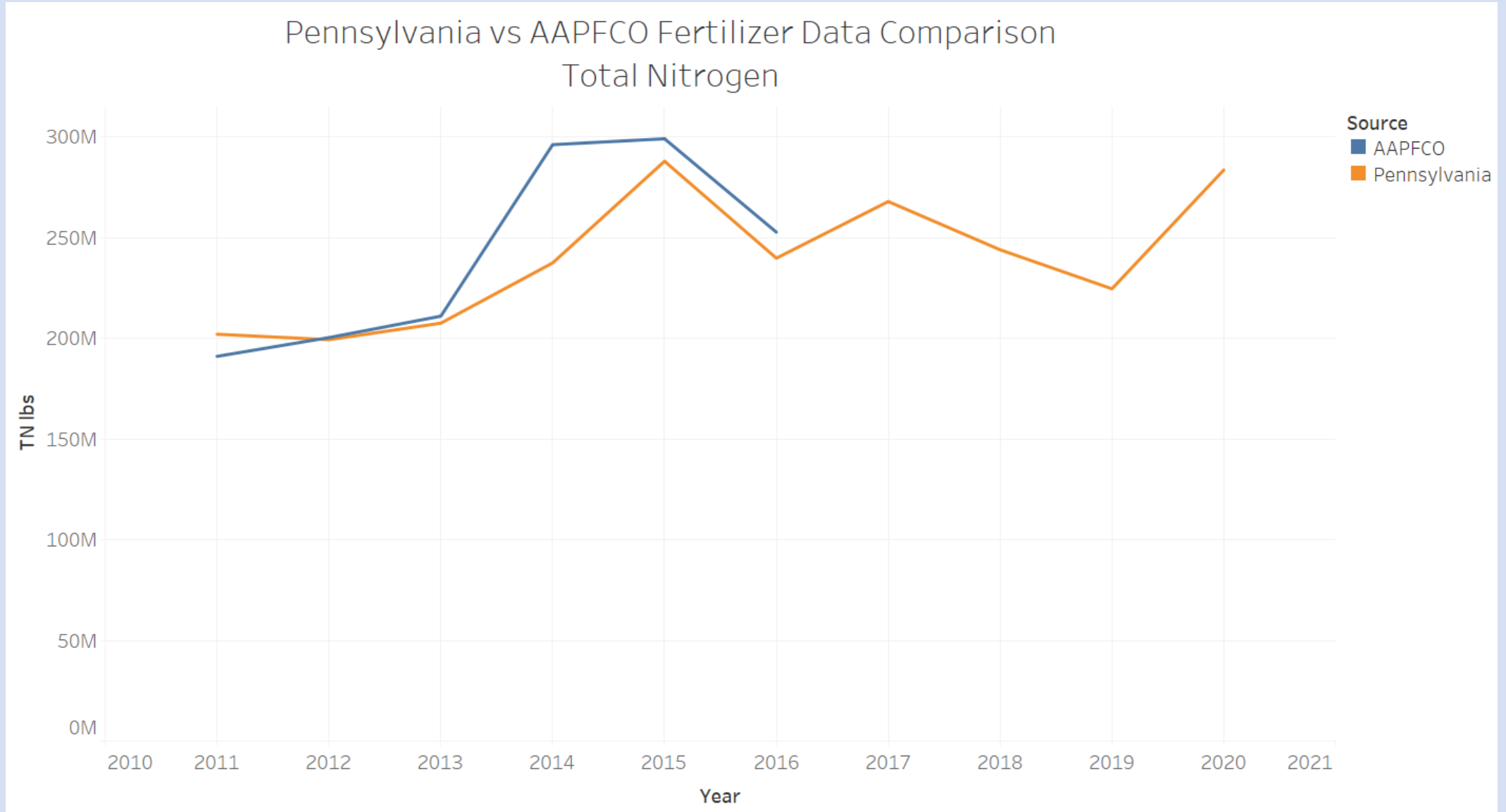
# How did we compare these data sets?

Combined files to get to the same year timespan as AAPFCO used

Plotted TN and TP for each of these states reports

Plotted TN and TP for each of the AAPFCO state reports

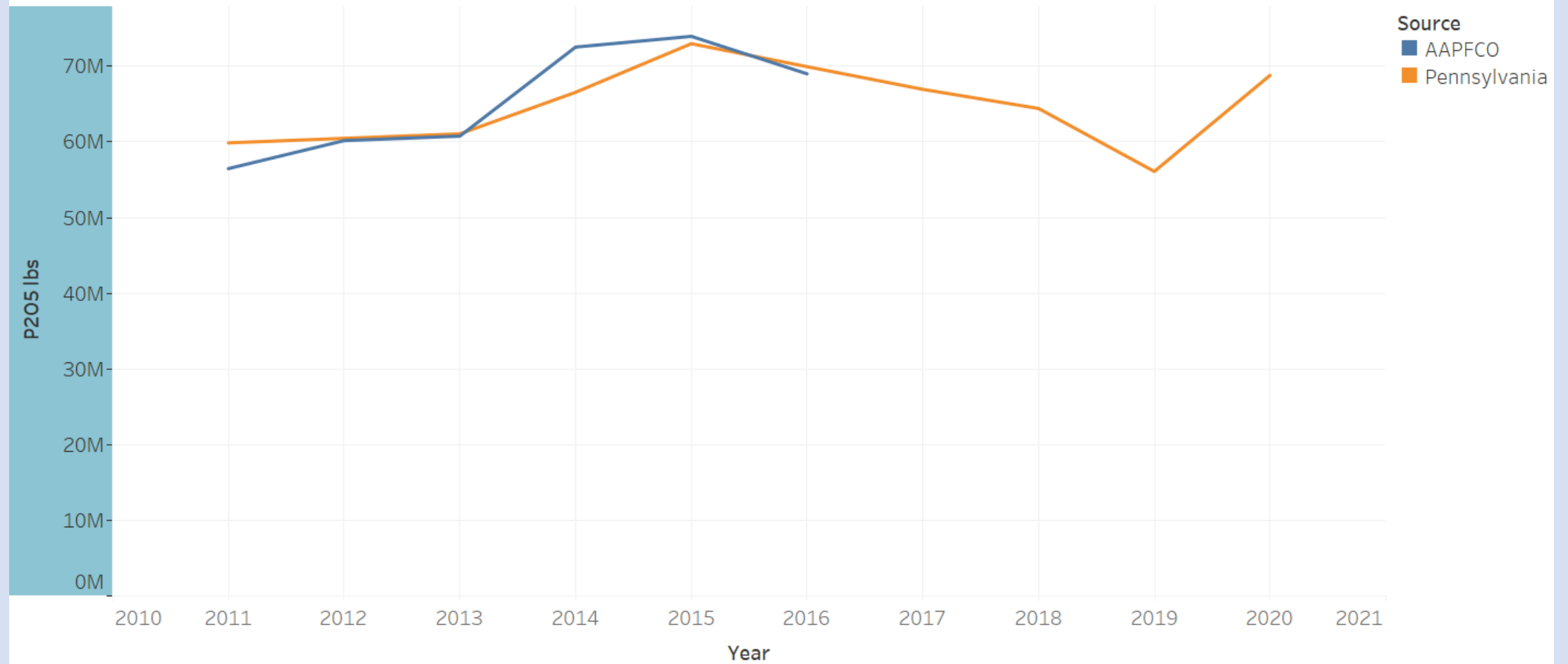
# Pennsylvania



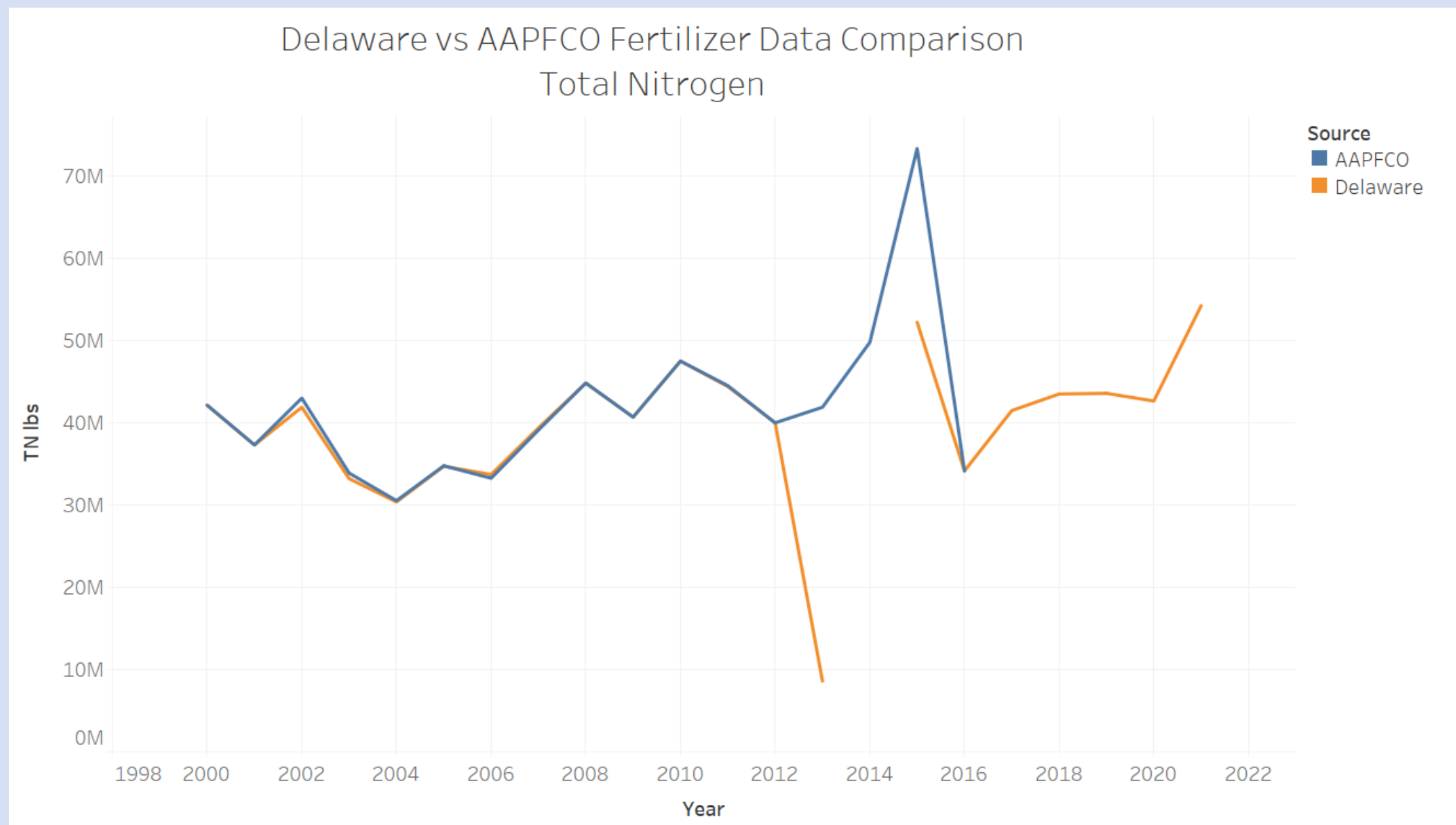


## Pennsylvania vs AAPFCO Fertilizer Data Comparison

### P205

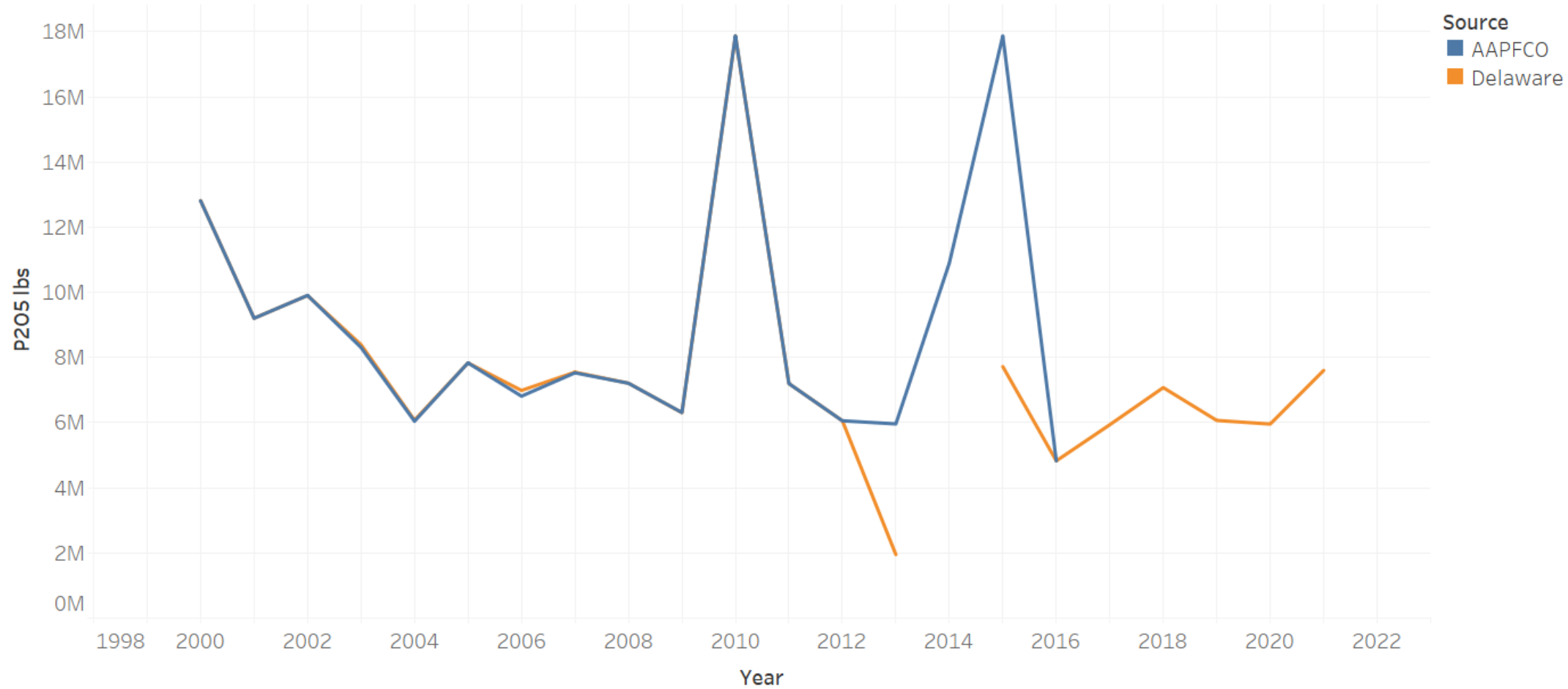


# Delaware



## Delaware vs AAPFCO Fertilizer Data Comparison

### P2O5



# Summary

In states where we already have data there are varying levels of historical agreement with AAPFCO

States have more up to date information with reduced latency

Questions?