



2017 Census of Agriculture Chesapeake Bay Watershed

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Agriculture Workgroup Meeting
July 18, 2019



Agriculture Workgroup

Agenda

- 10:00 Welcome, introductions, roll-call, review meeting minutes
- 10:05 Prioritization Review: Mapping out the Next Year (15 min)

Data & Modeling

- 10:20 Ag Census 2017: Notable Trends (30 min) Jeff Sweeney
Jeff Sweeney, EPA-CBP, will discuss the 2017 Ag Census including notable trends emerging from the 2017 data release earlier this spring.

CBP Assignments

- 10:50 Moving Forward: Ag TA and Conservation Practice Implementation (30 min)

Data & Modeling

- 11:20 Soil Amendments (20 min)
- 11:40 New Business & Announcements (15 min)
- 11:55 Review of Action and Decision Items (5 min)
- 12:00 Adjourn Meeting



2017 Census of Agriculture Categories

- CBP Animal Types
- CBP Landuse/Crop Types and Categories



2017 Census of Agriculture Time Period for Trends

- 1987 through 2012
 - 1) Post-2012 with old forecast through 2025
 - 2) Post-2012 with new 2017 data and new forecast through 2025



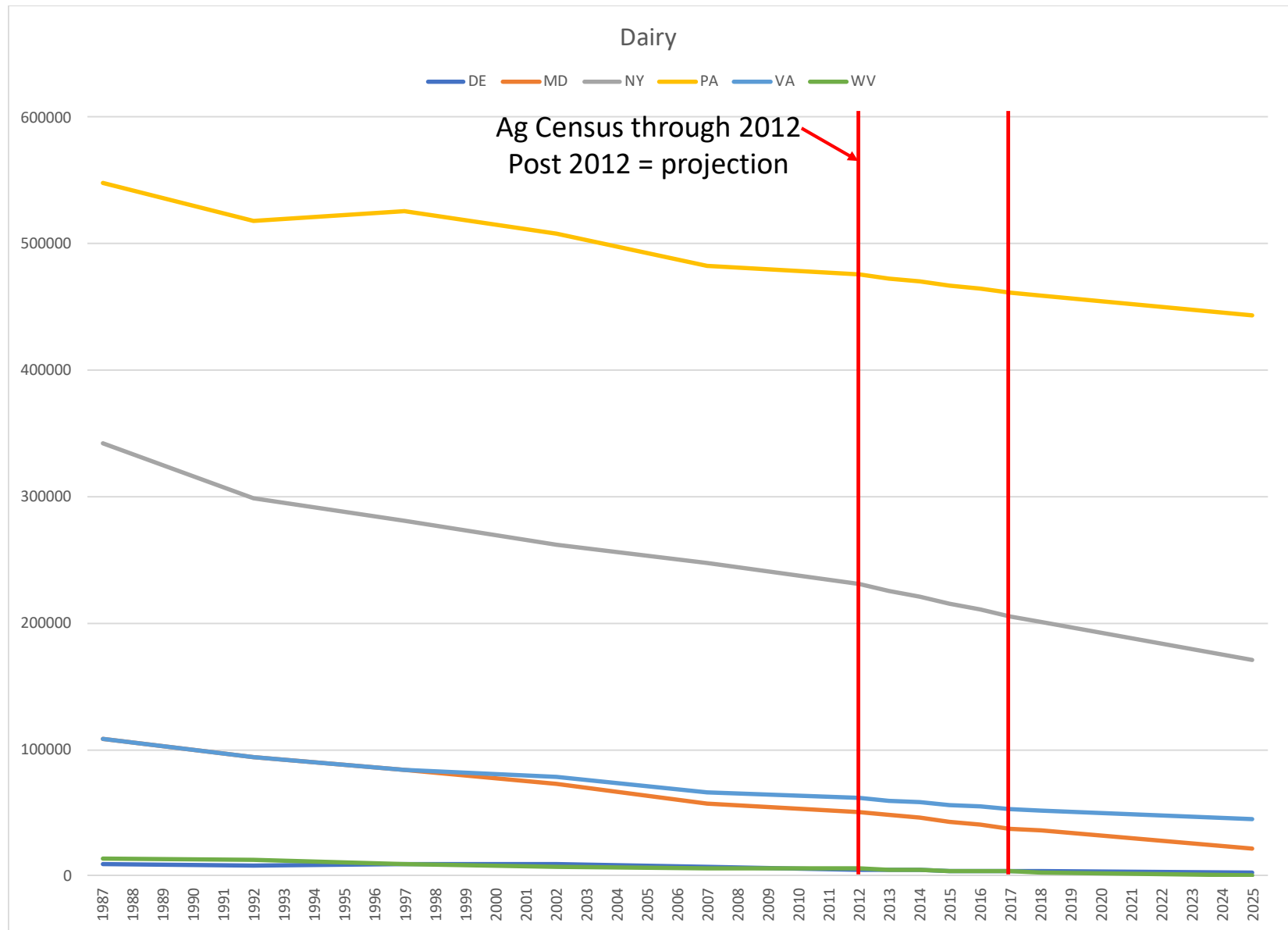
2017 Census of Agriculture Categories

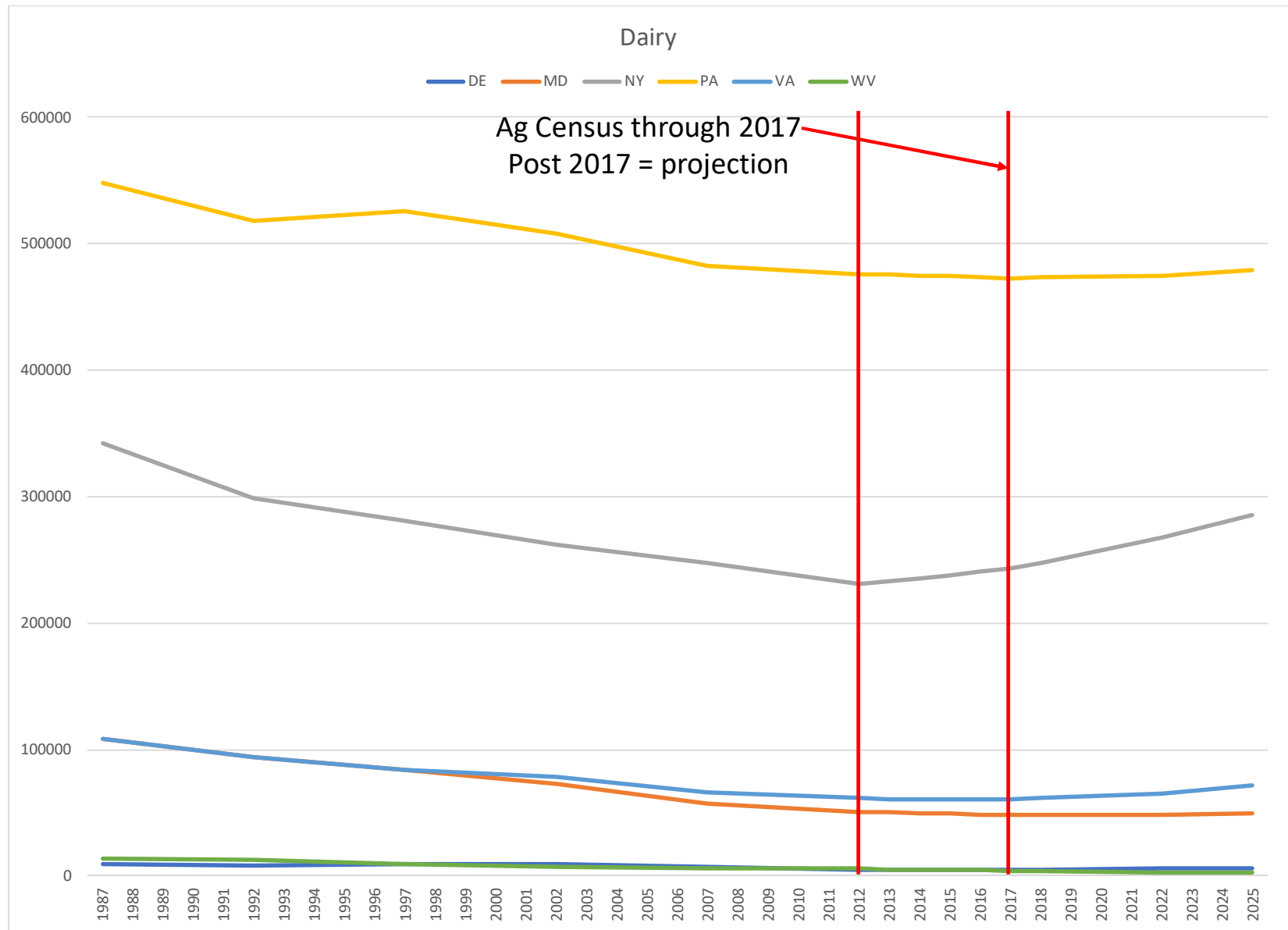
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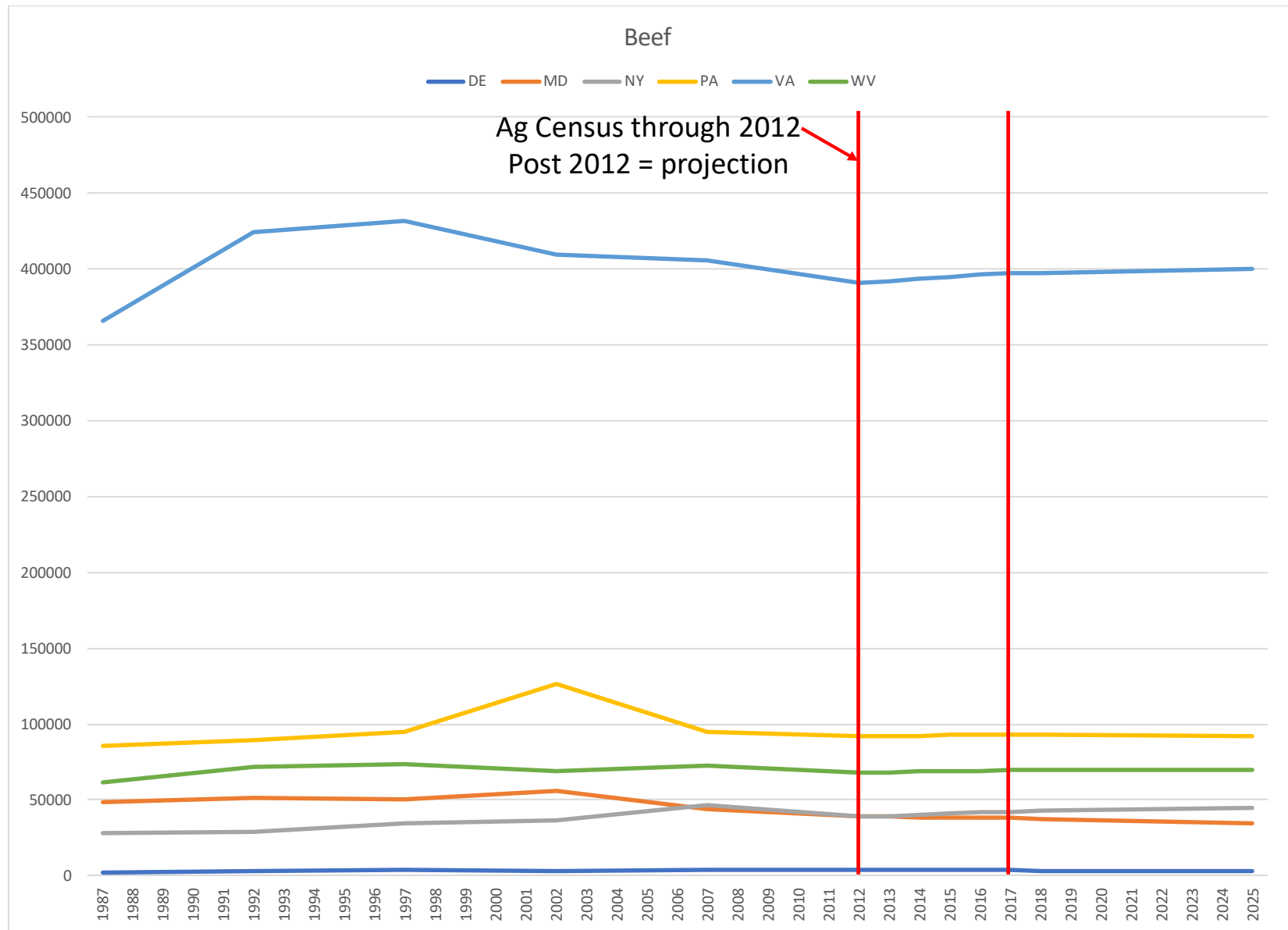


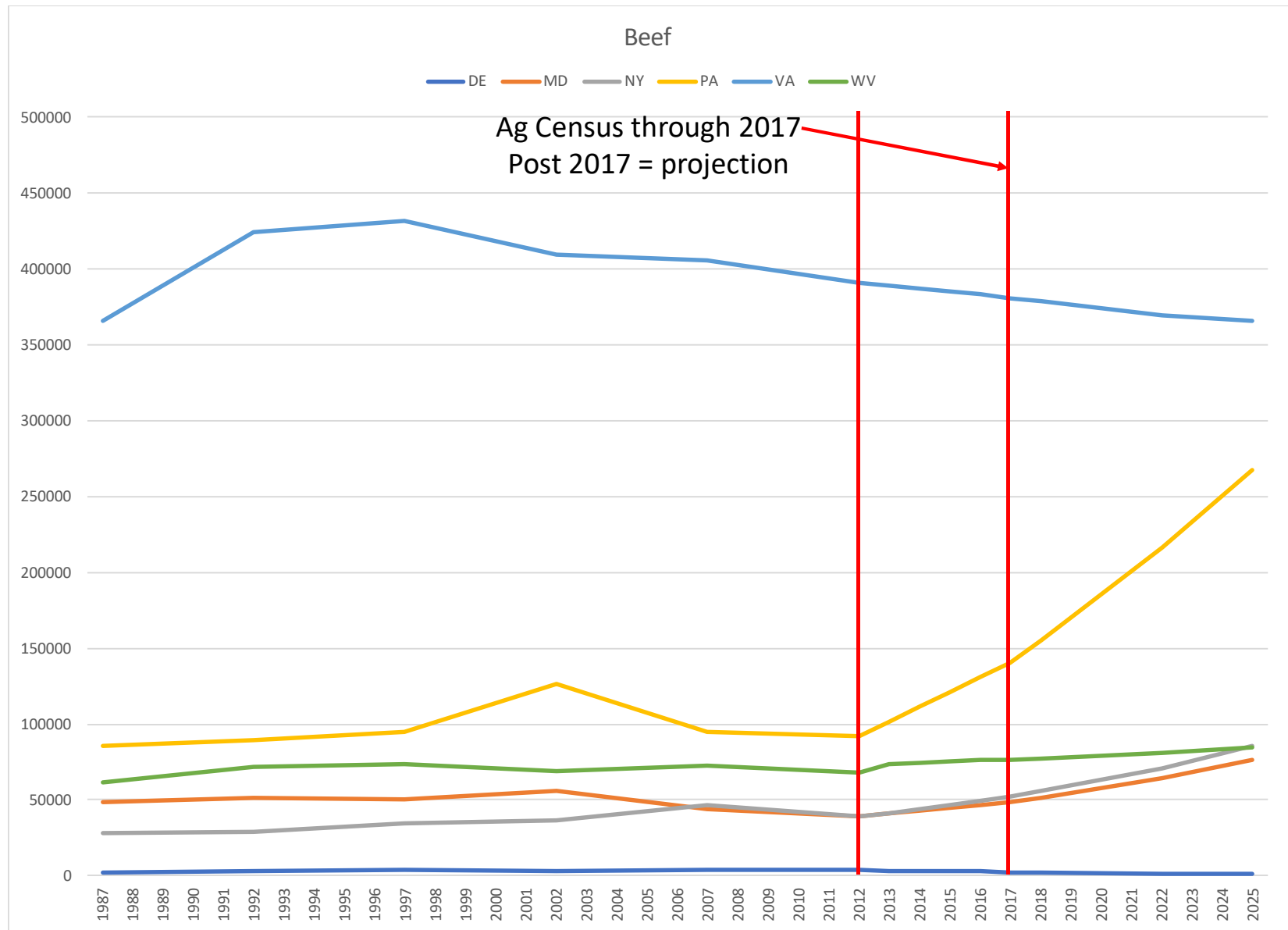
2017 Census of Agriculture Animal Forecast Methods

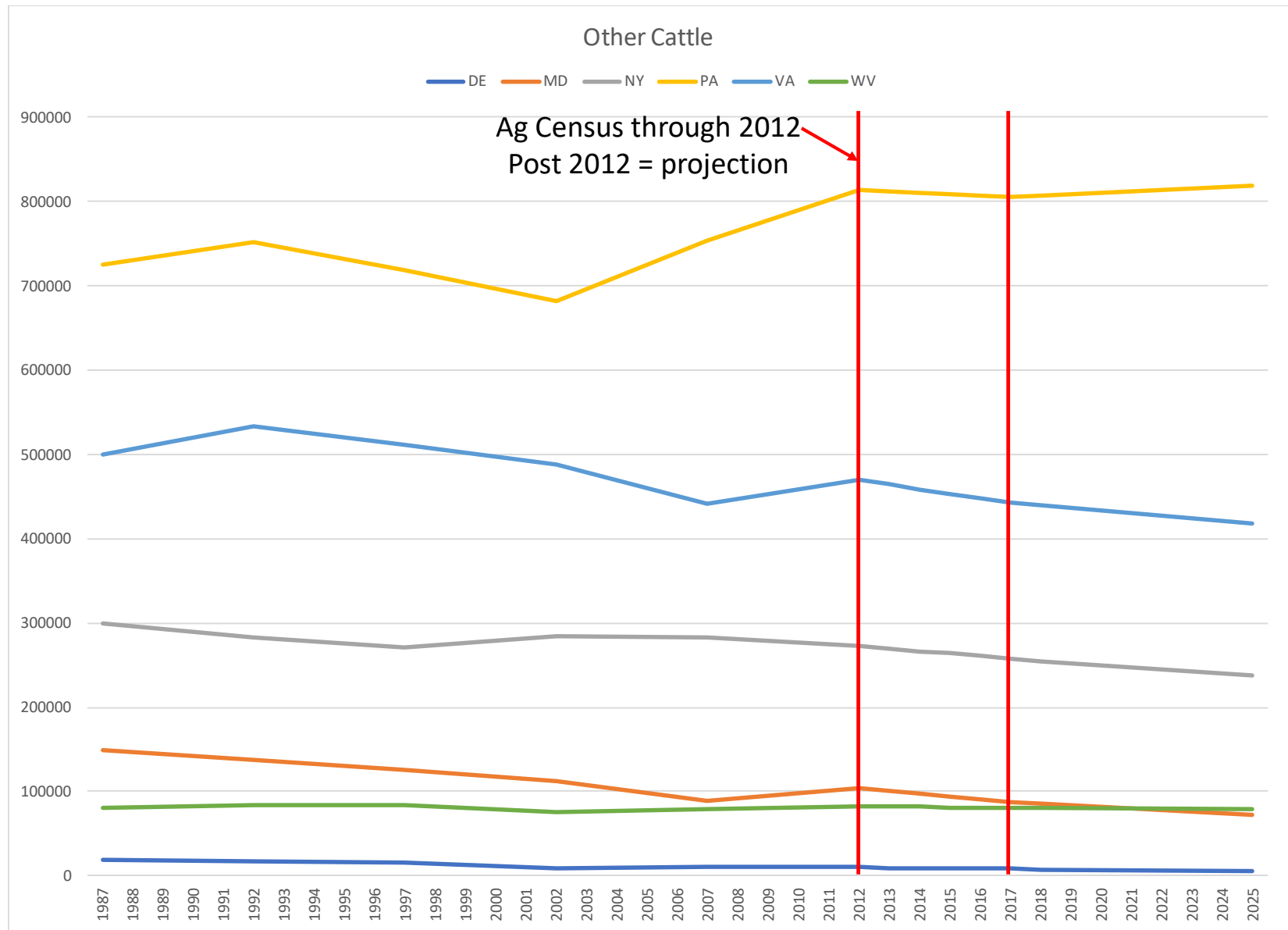
- Forecasts use methods recommended by Ag Modeling for Phase 6 Watershed Model (CAST) and approved through Agriculture Workgroup, Water Quality GIT, etc.
 - For animals, forecasts are at the state scale
 - State numbers are then proportioned to individual counties according to latest Census of Agriculture
 - For broilers, turkeys, pullets, and hogs, use annual Census production numbers by state
 - For all other animals, use 5-year Census inventory numbers by state
 - For forecasts, greater weight is given to more recent short-term trends than long-term trends

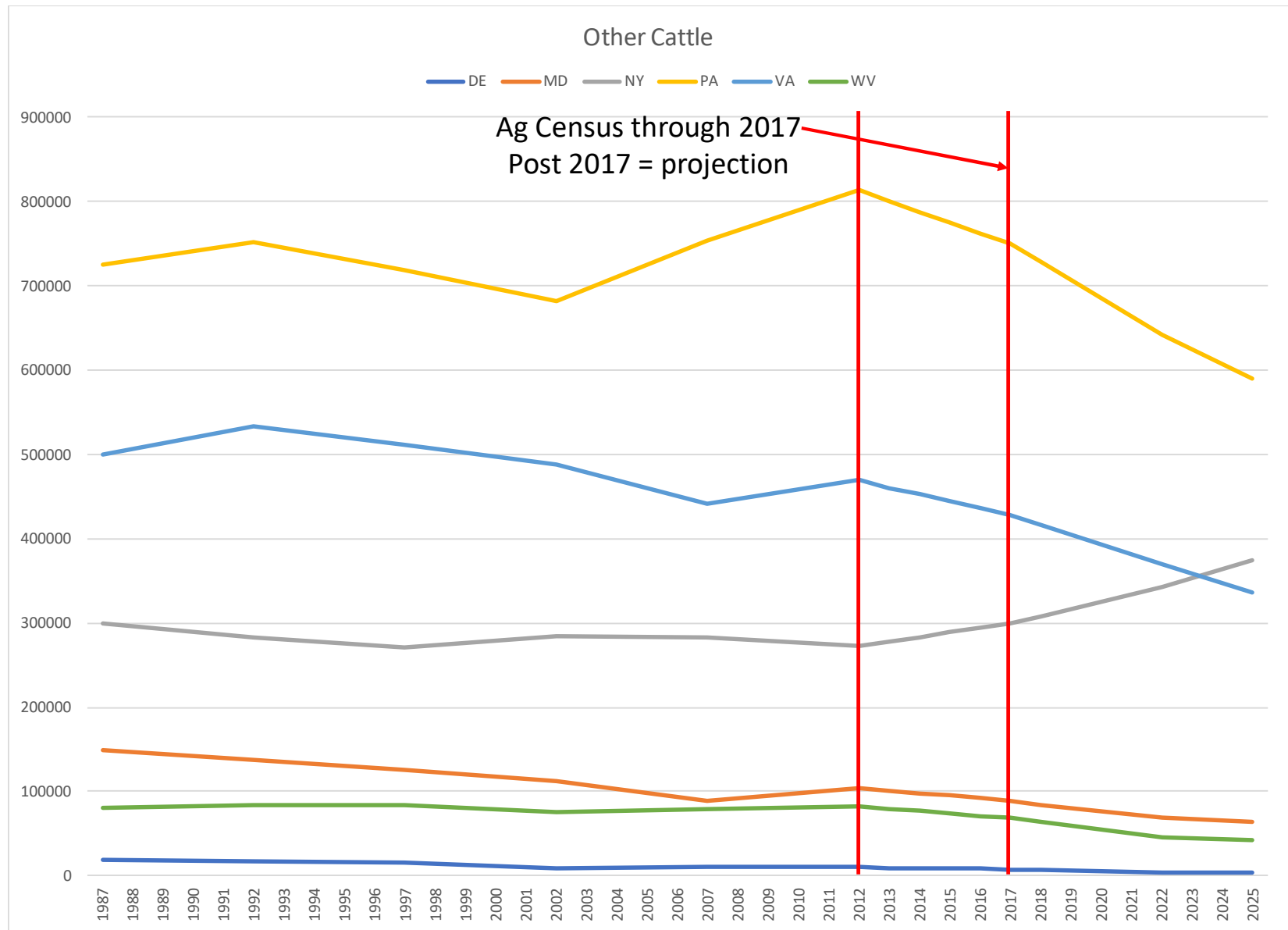


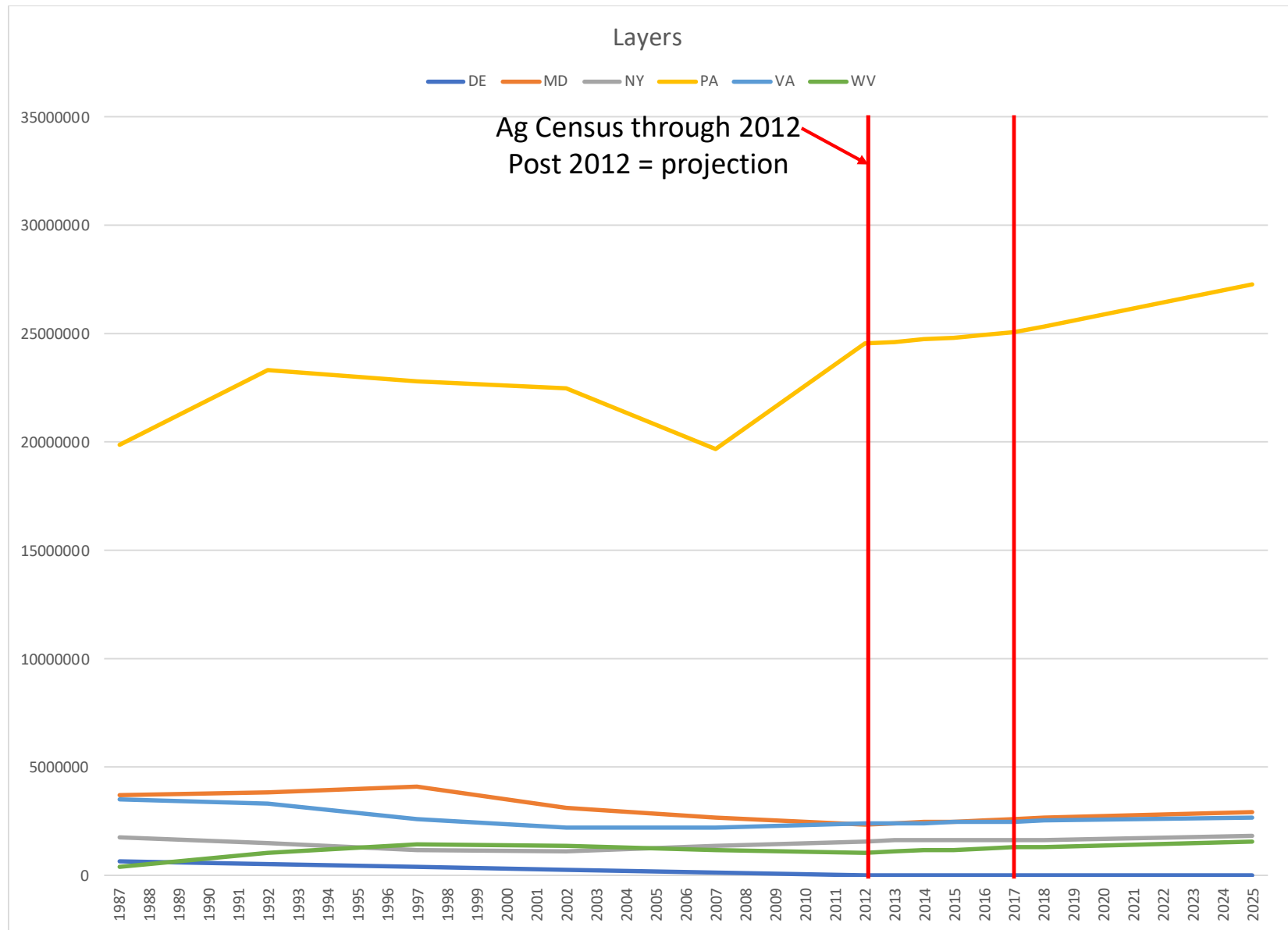


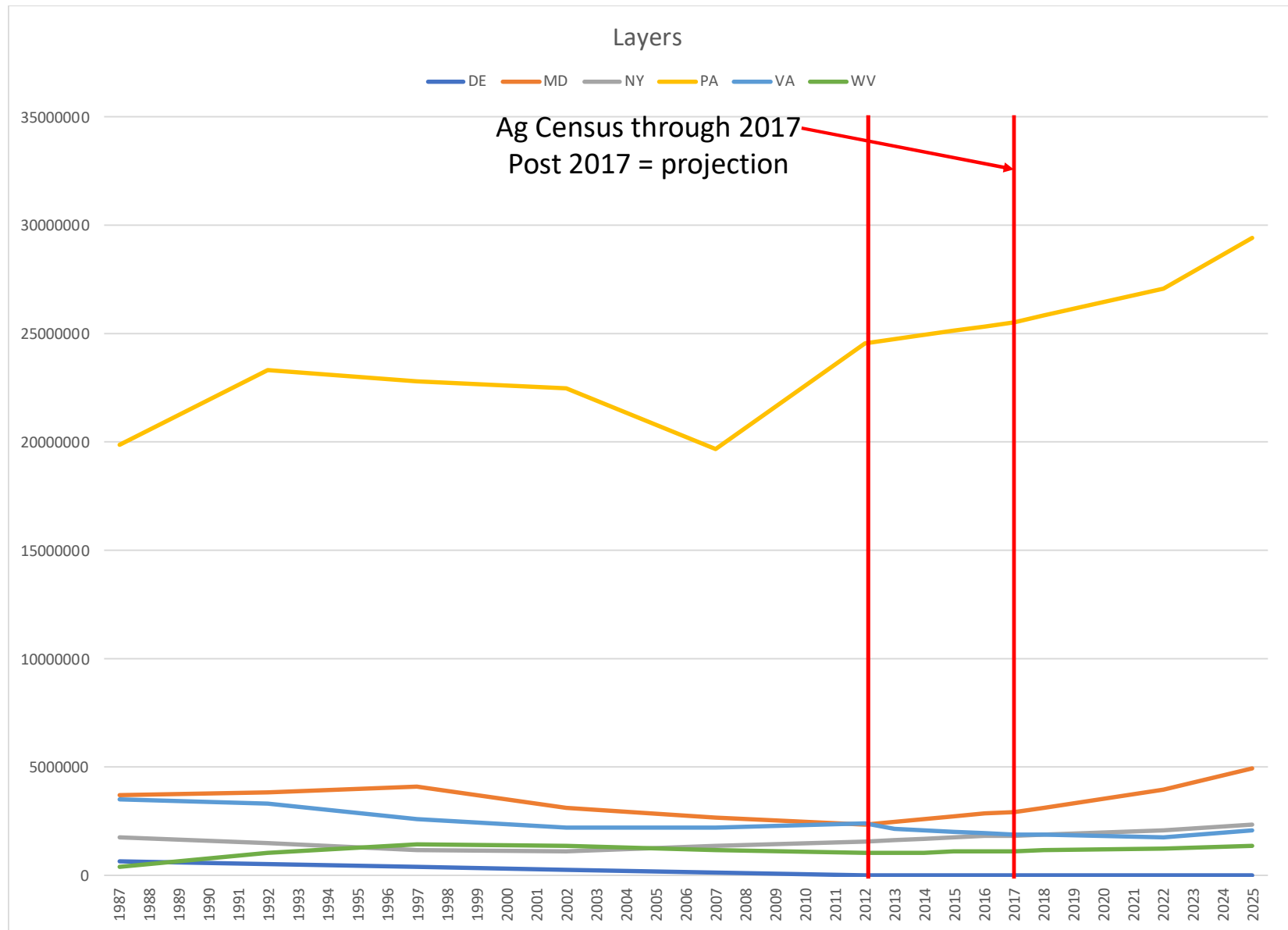


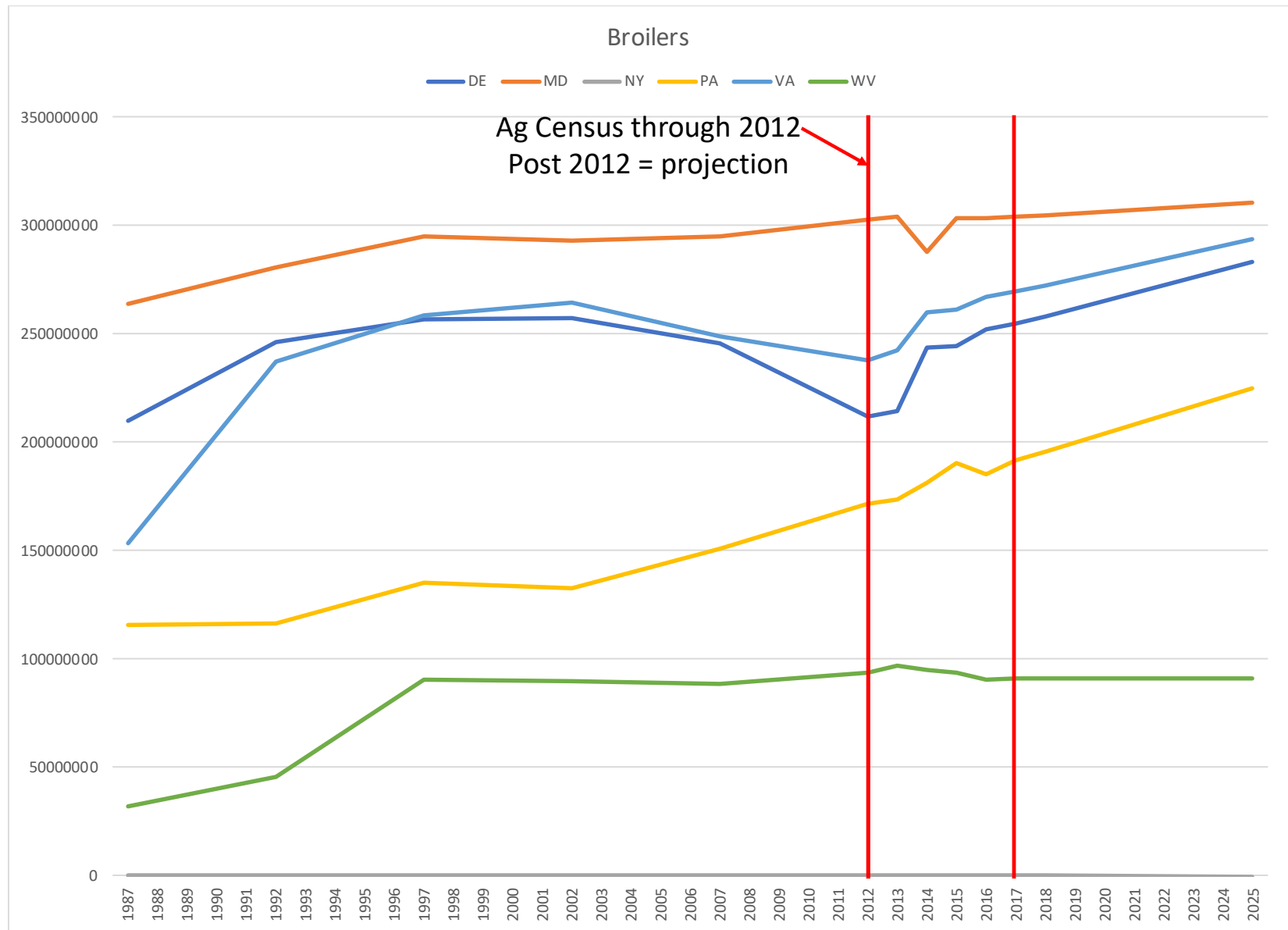


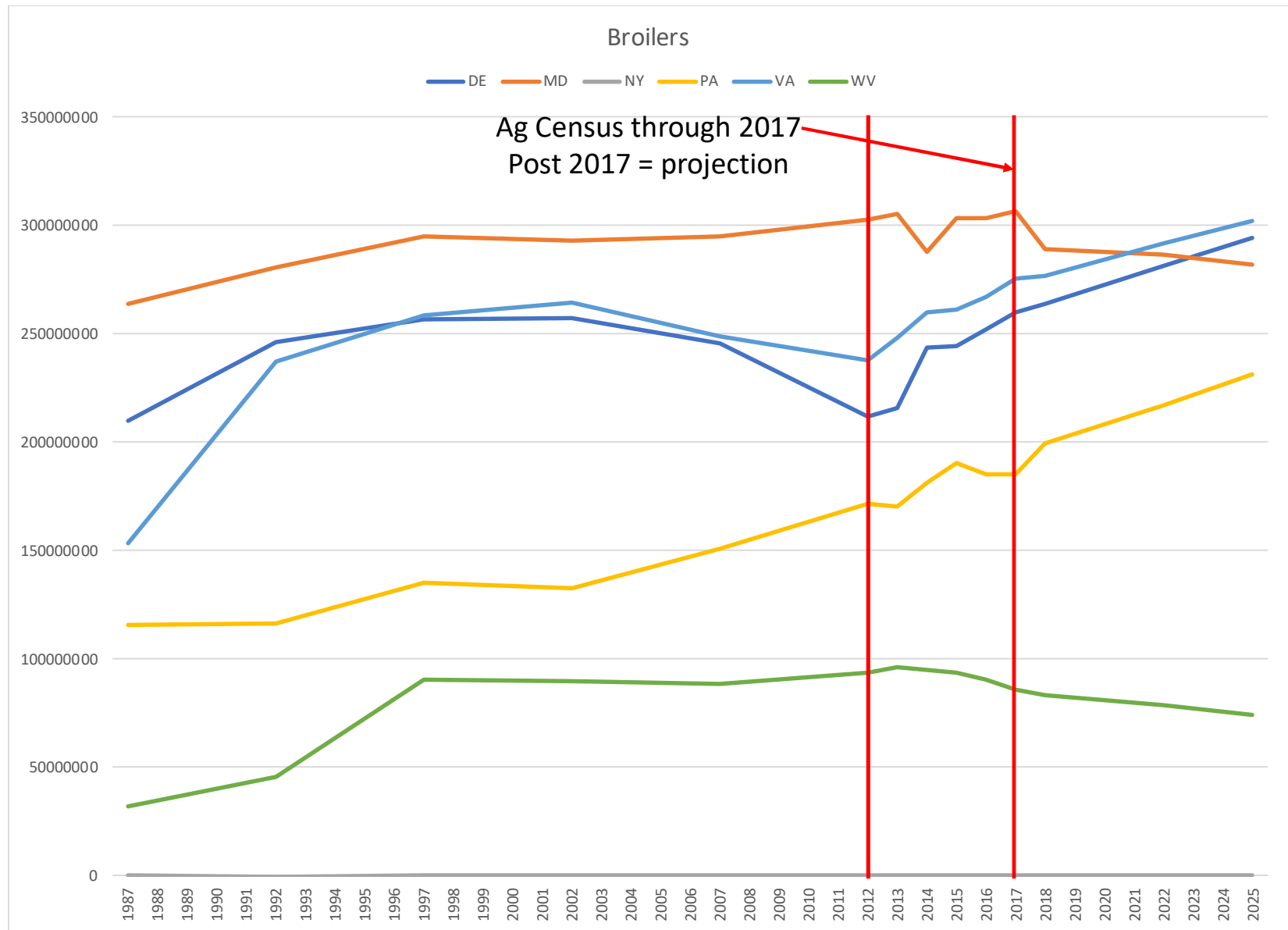


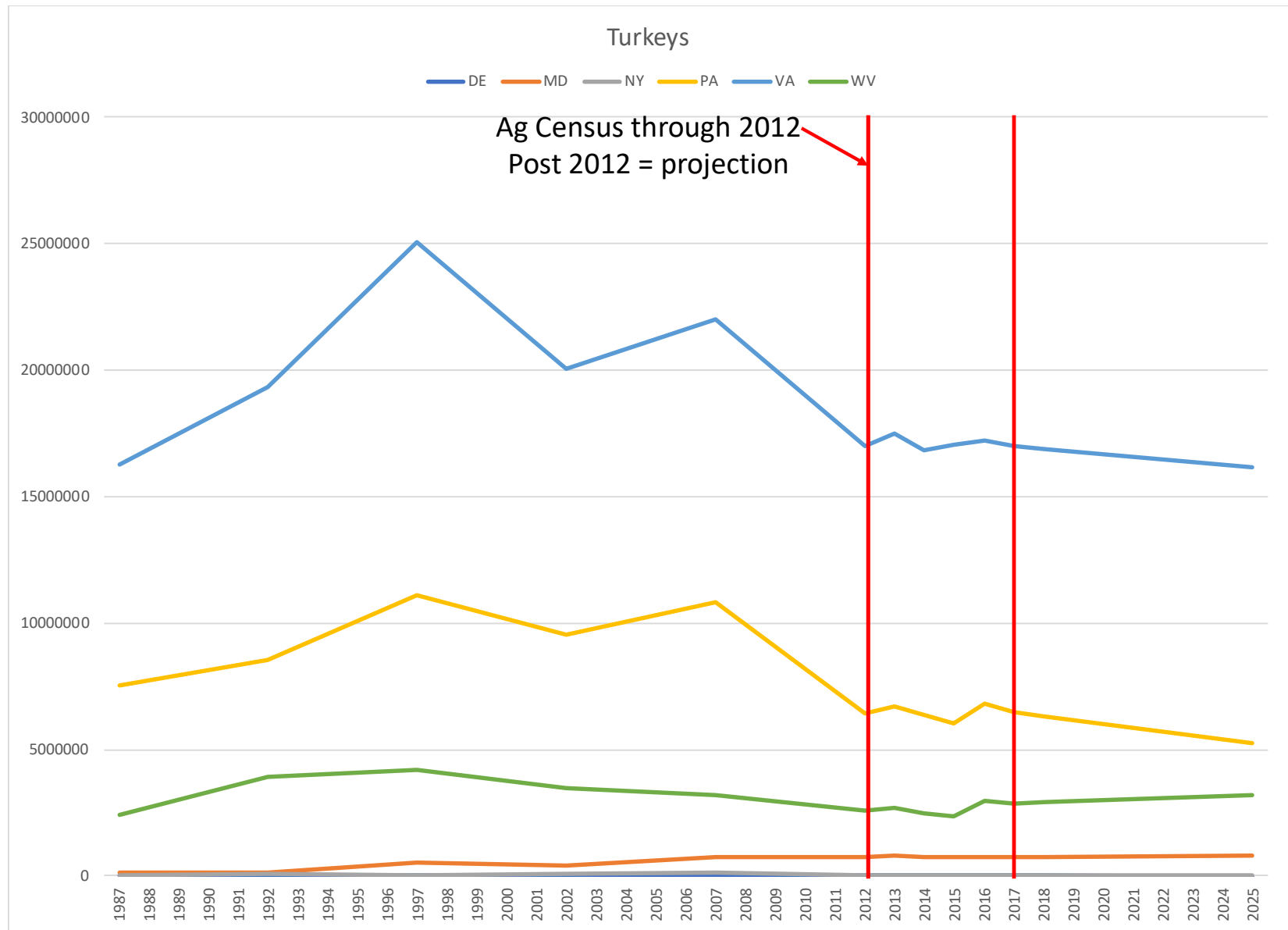


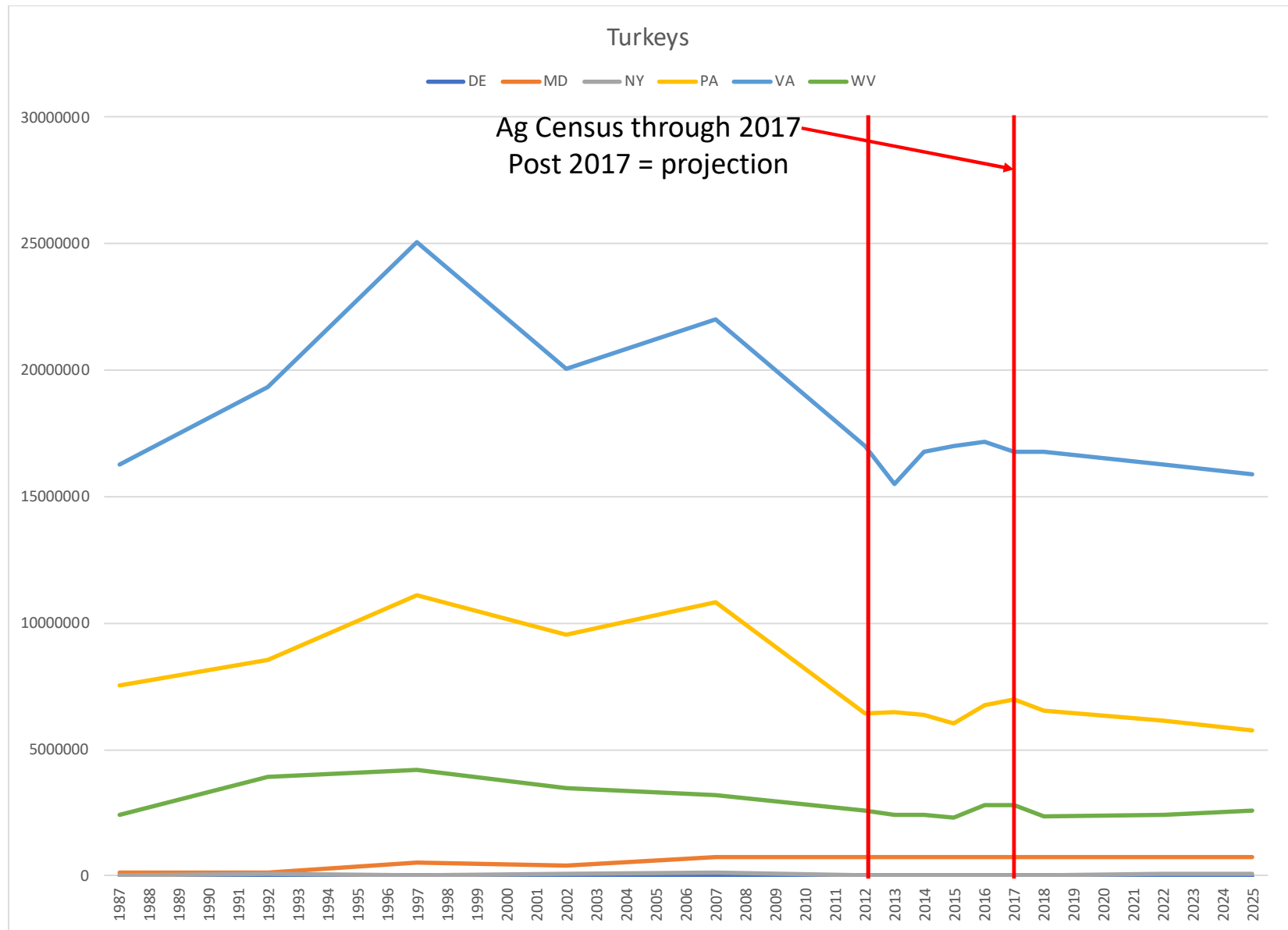


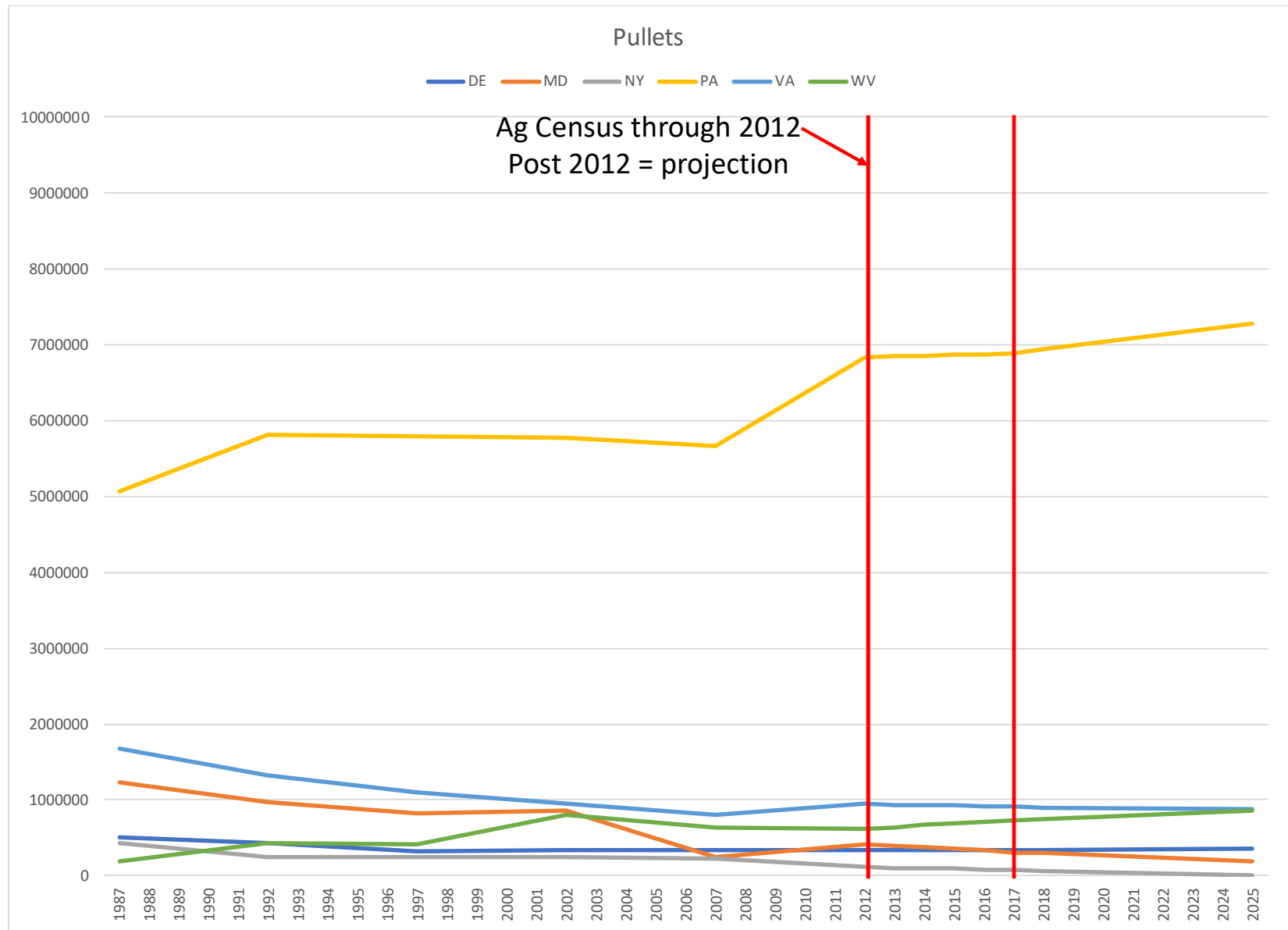


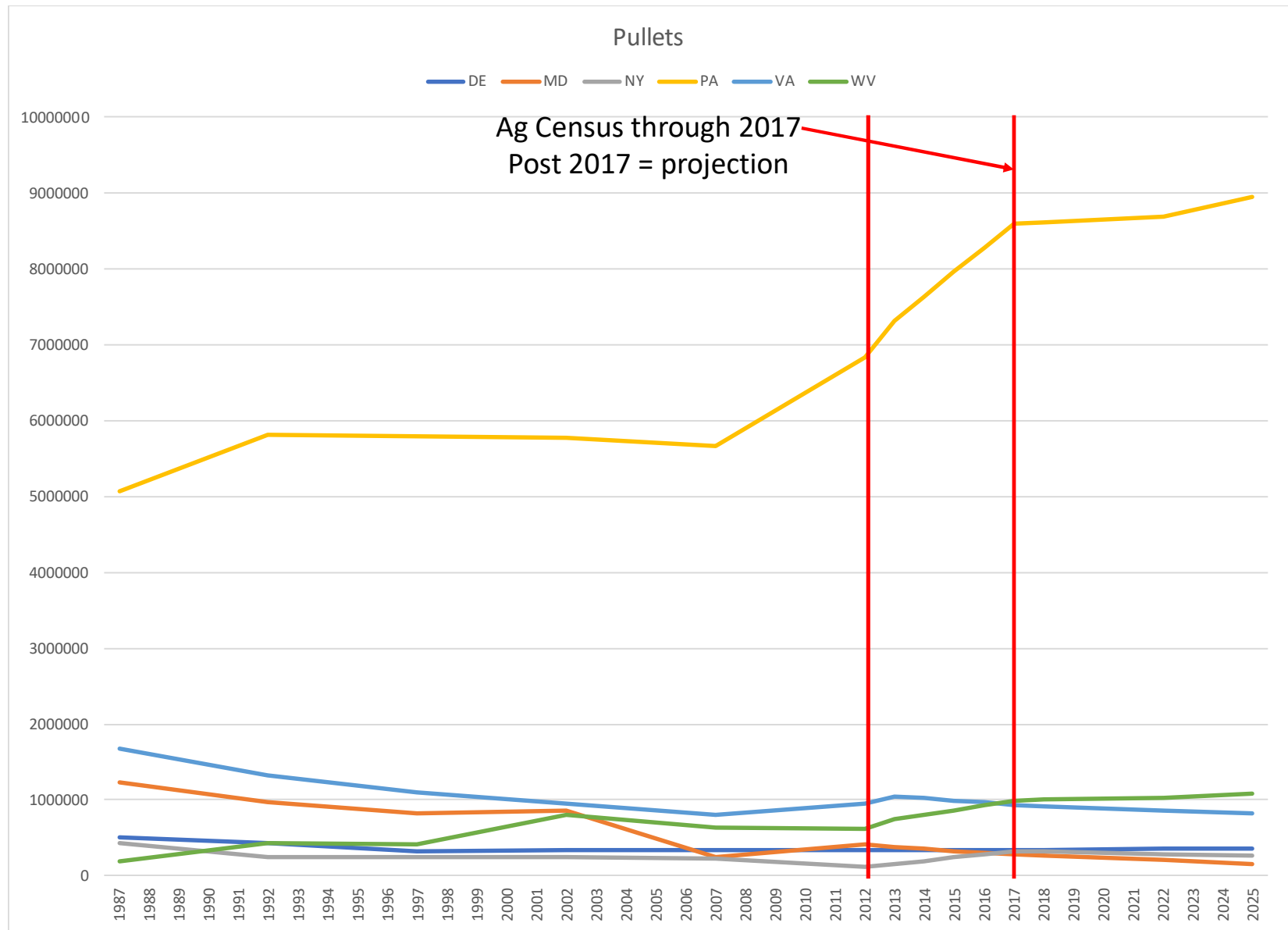














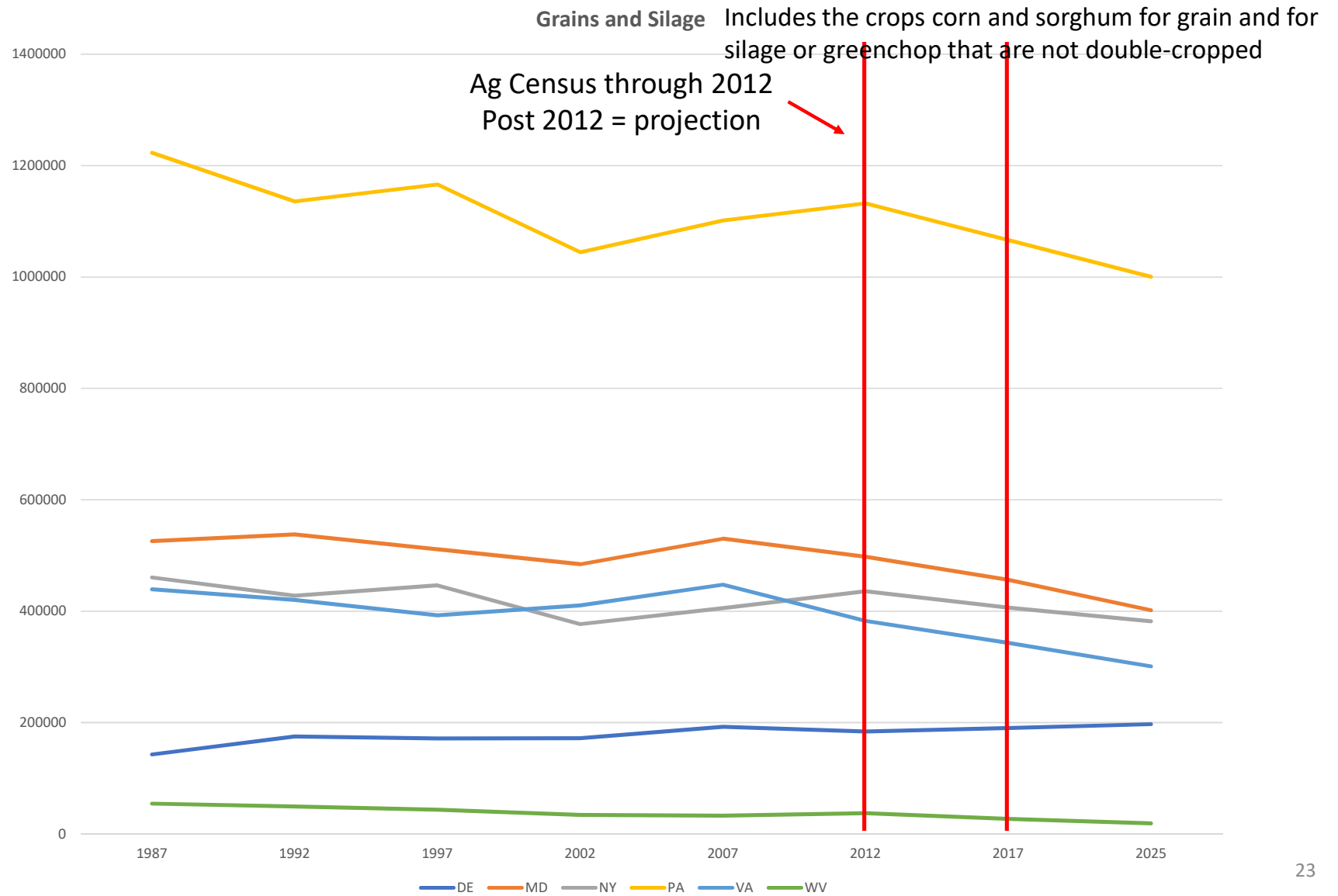
2017 Census of Agriculture Categories

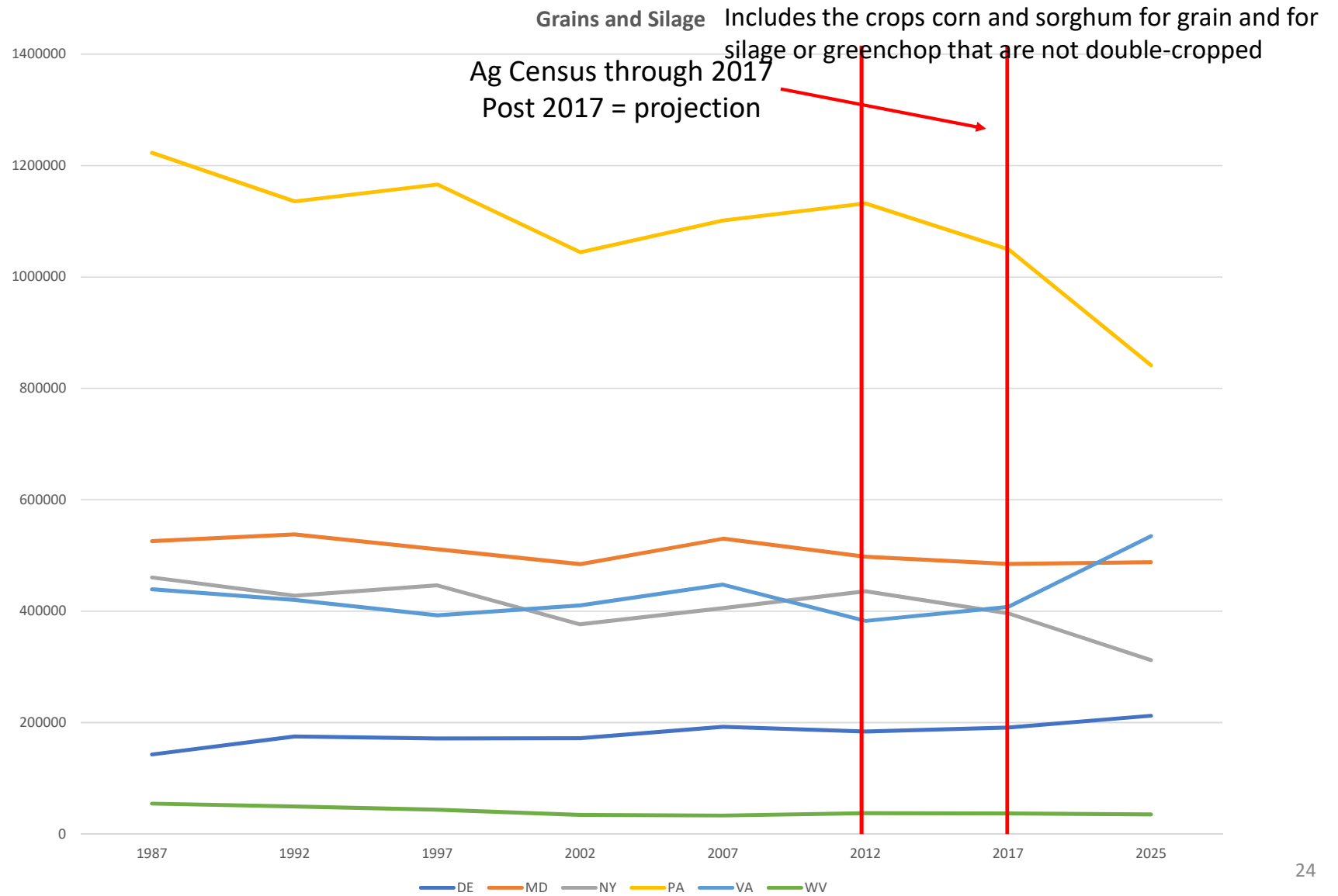
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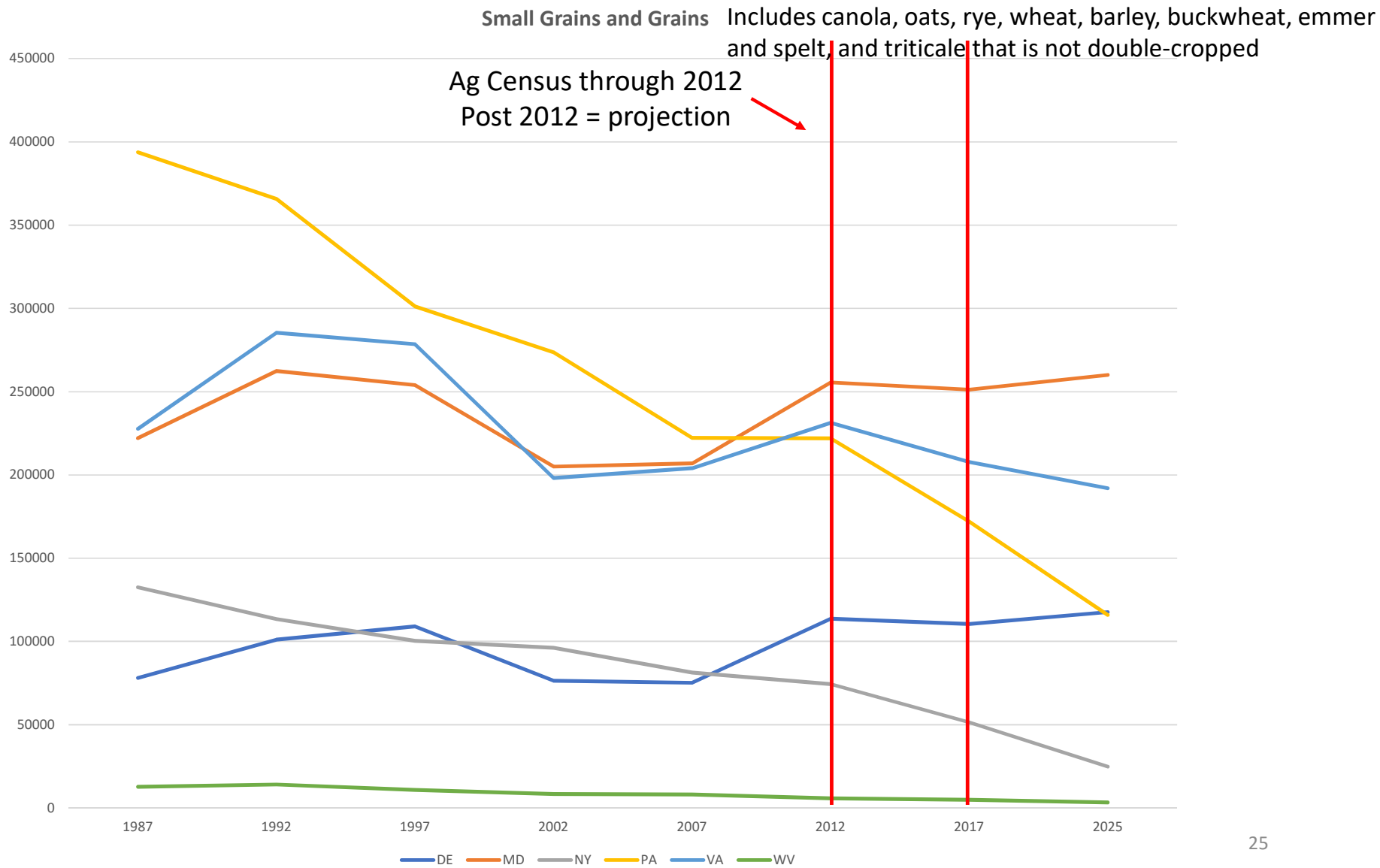


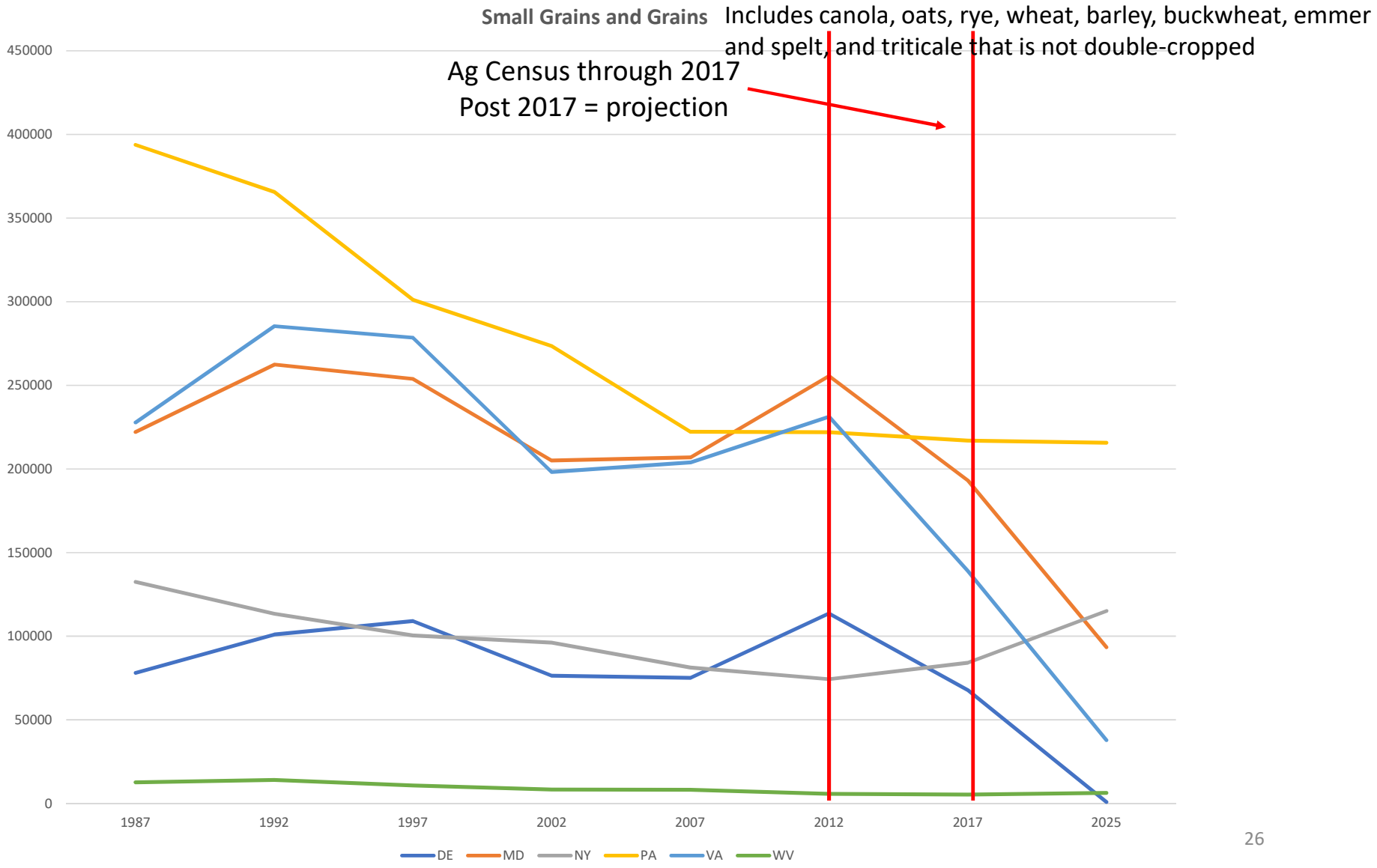
2017 Census of Agriculture Crop Forecast Methods

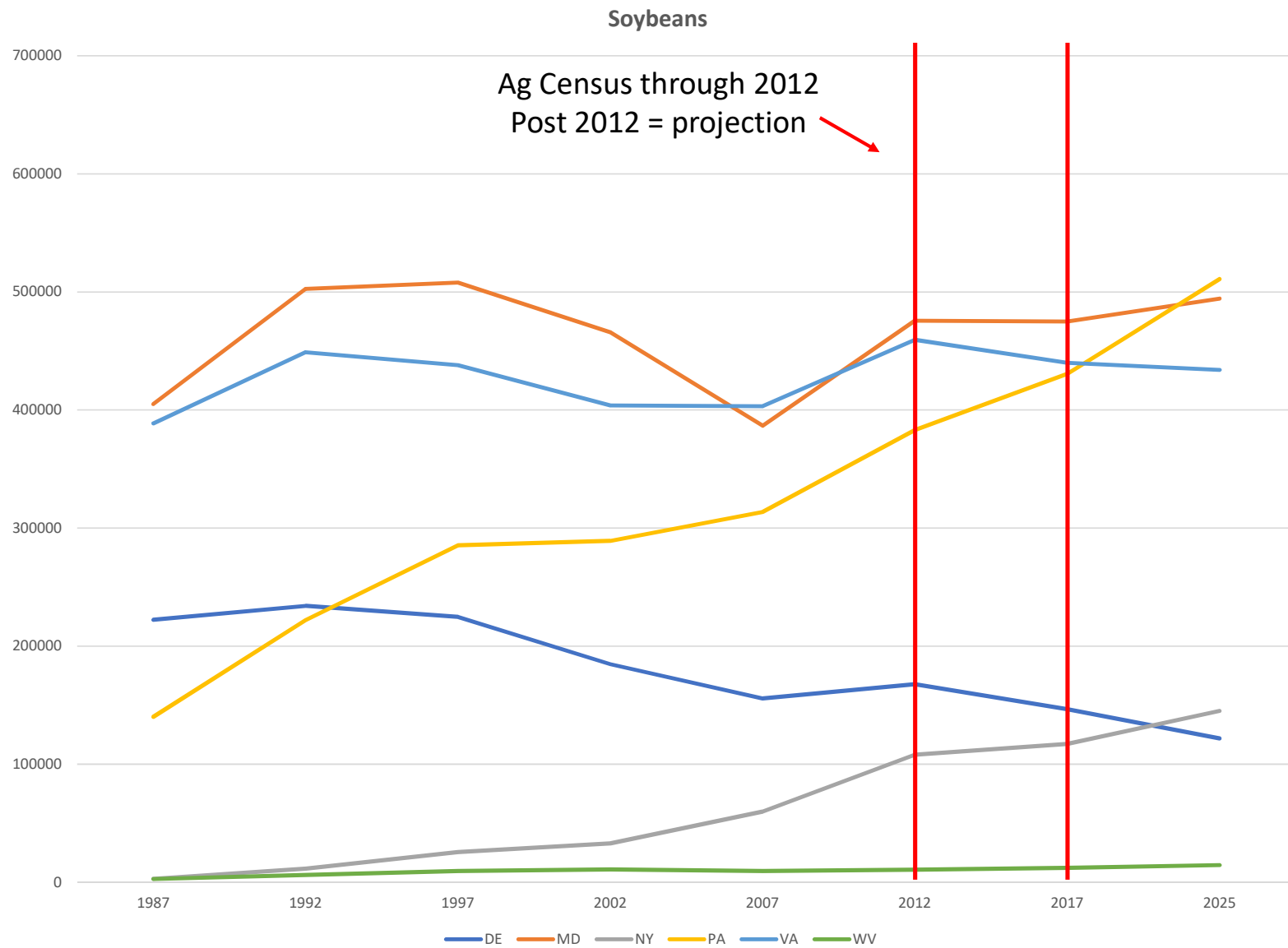
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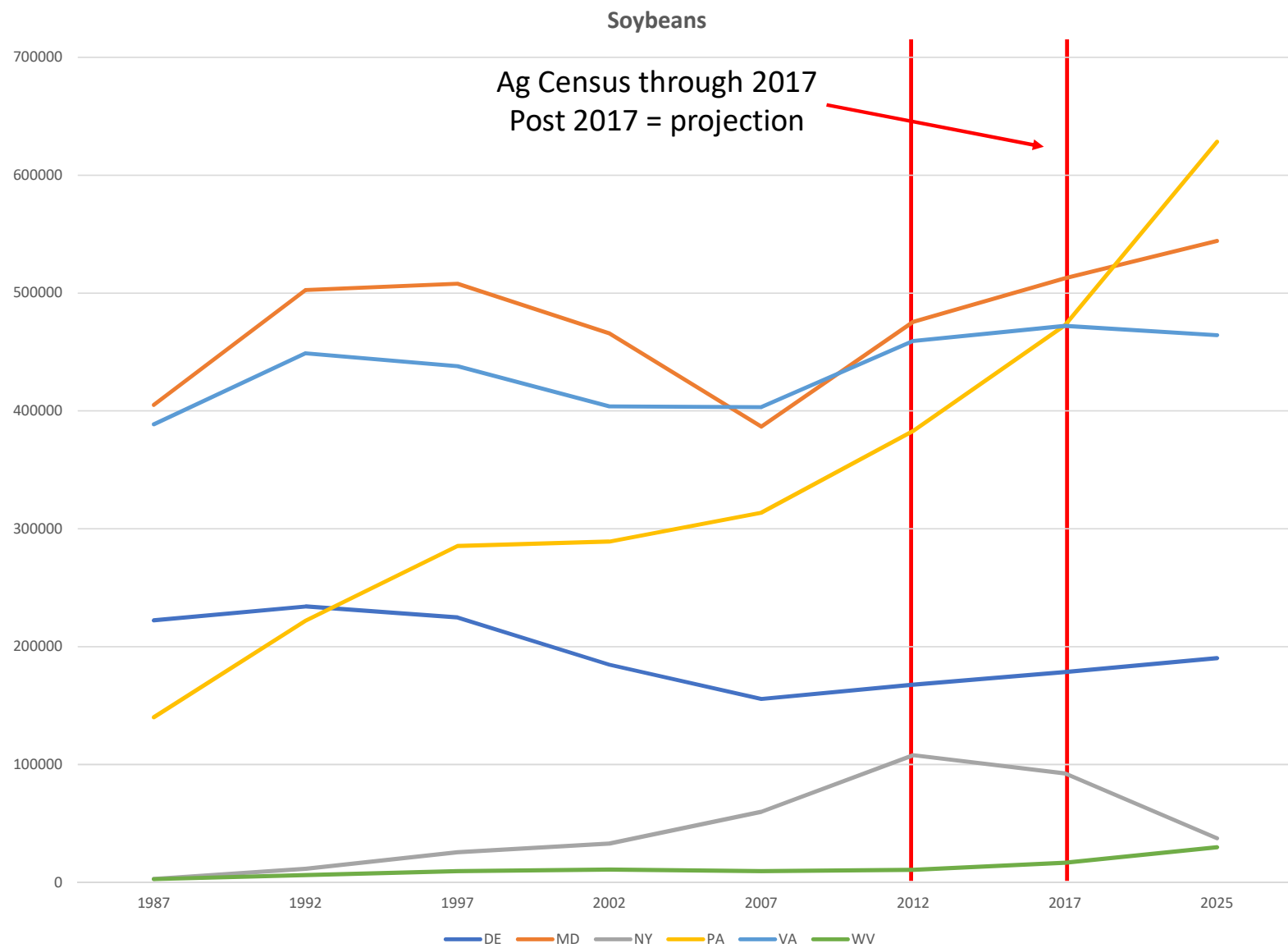


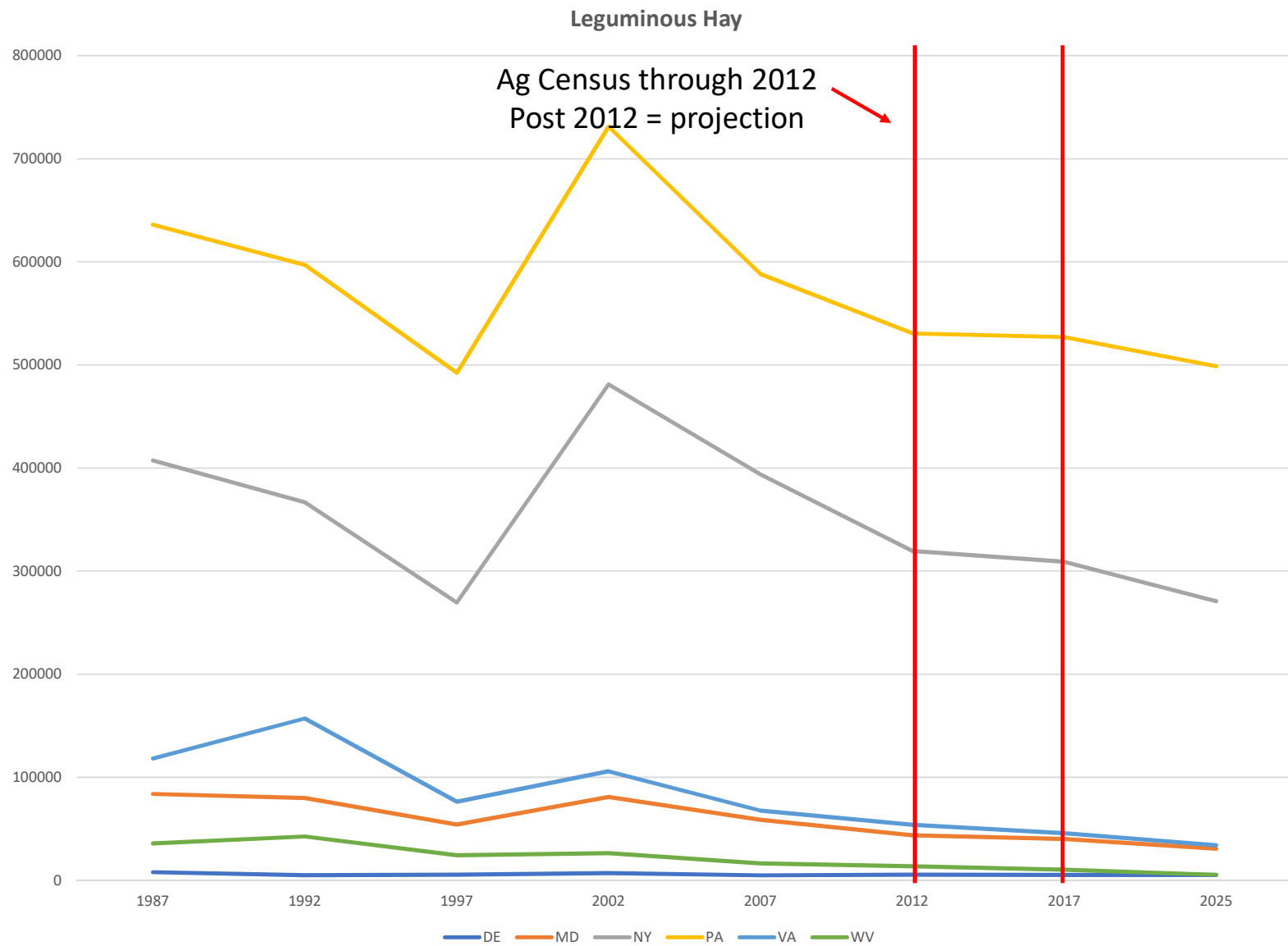


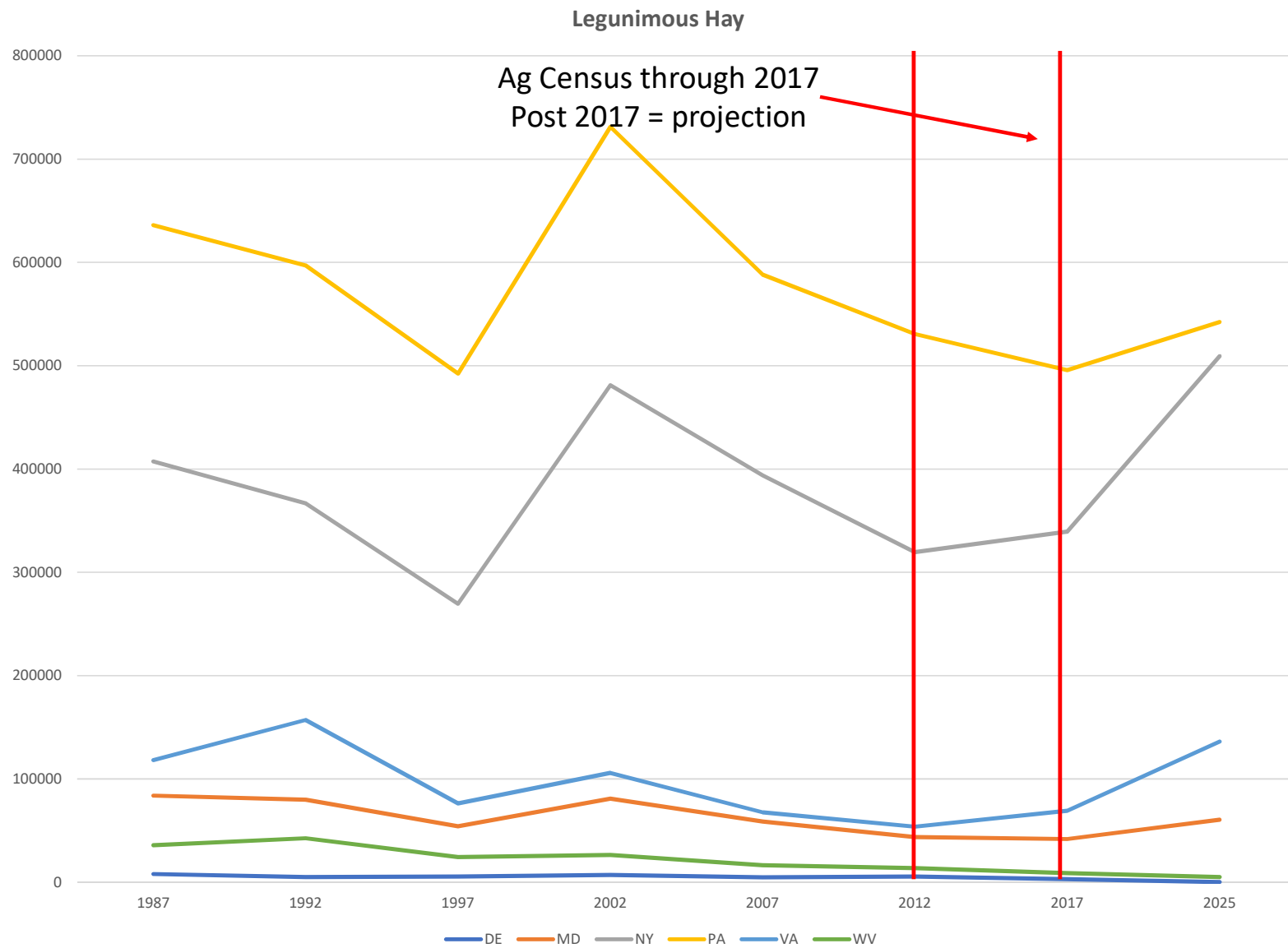


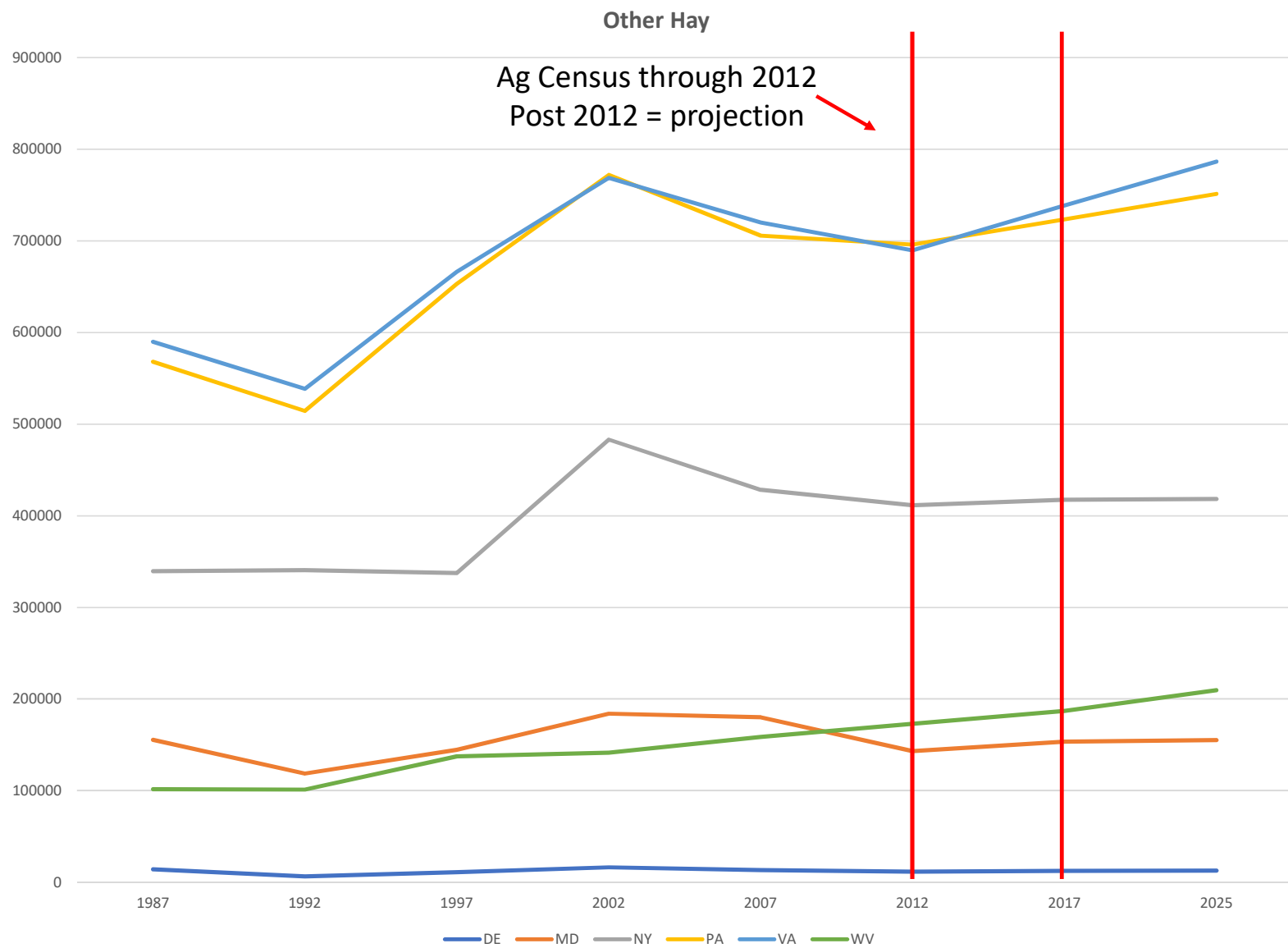


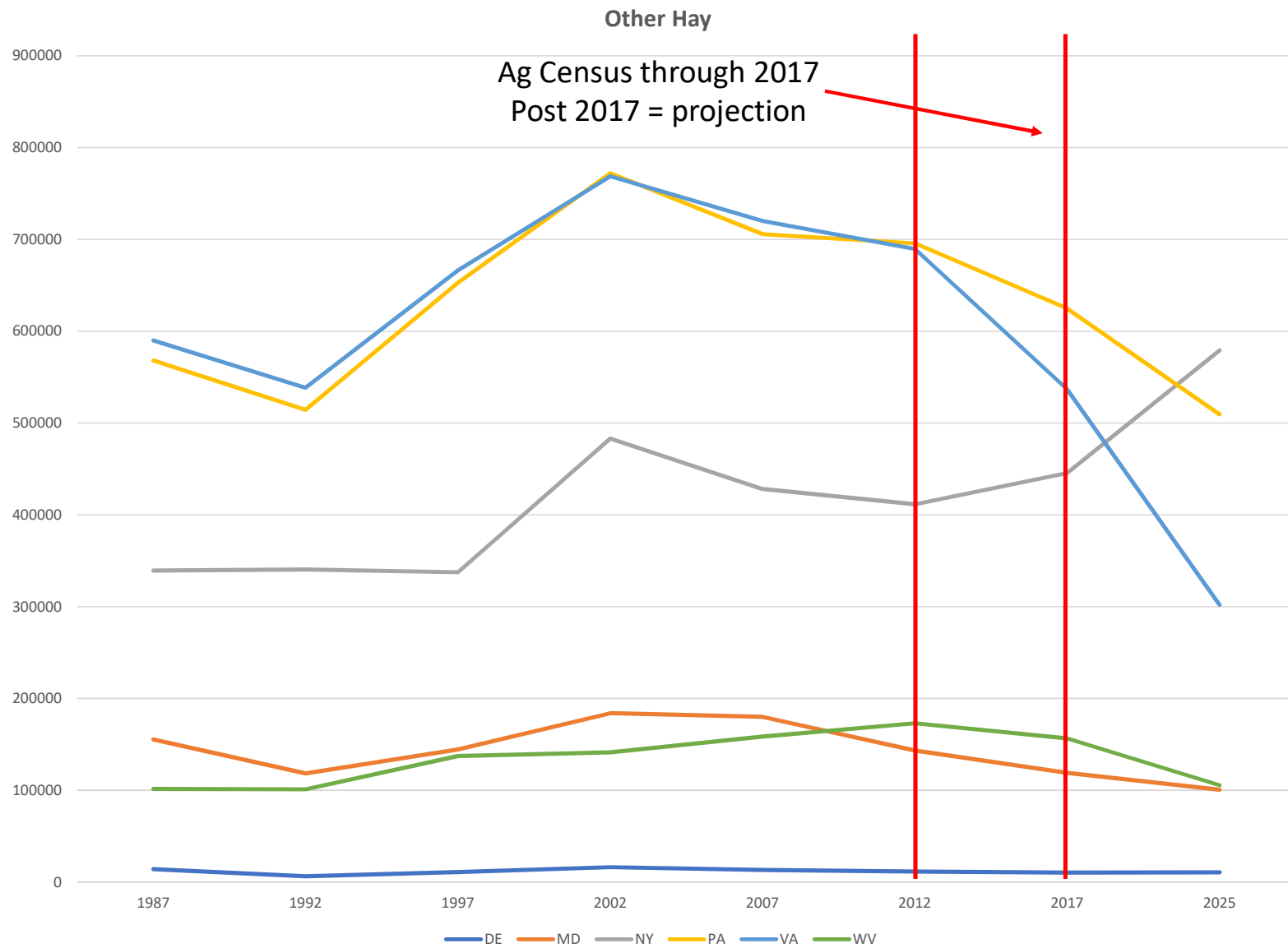


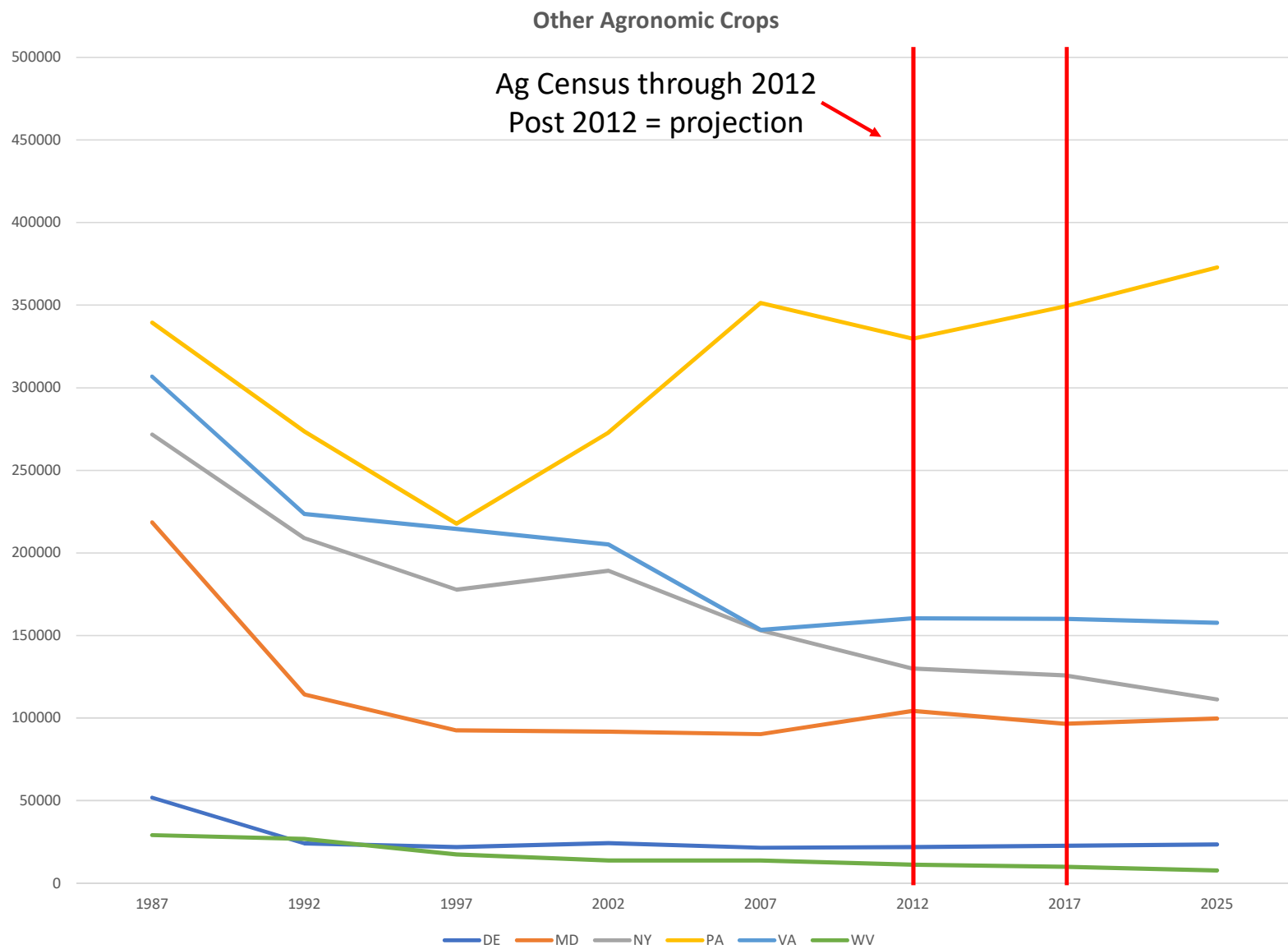


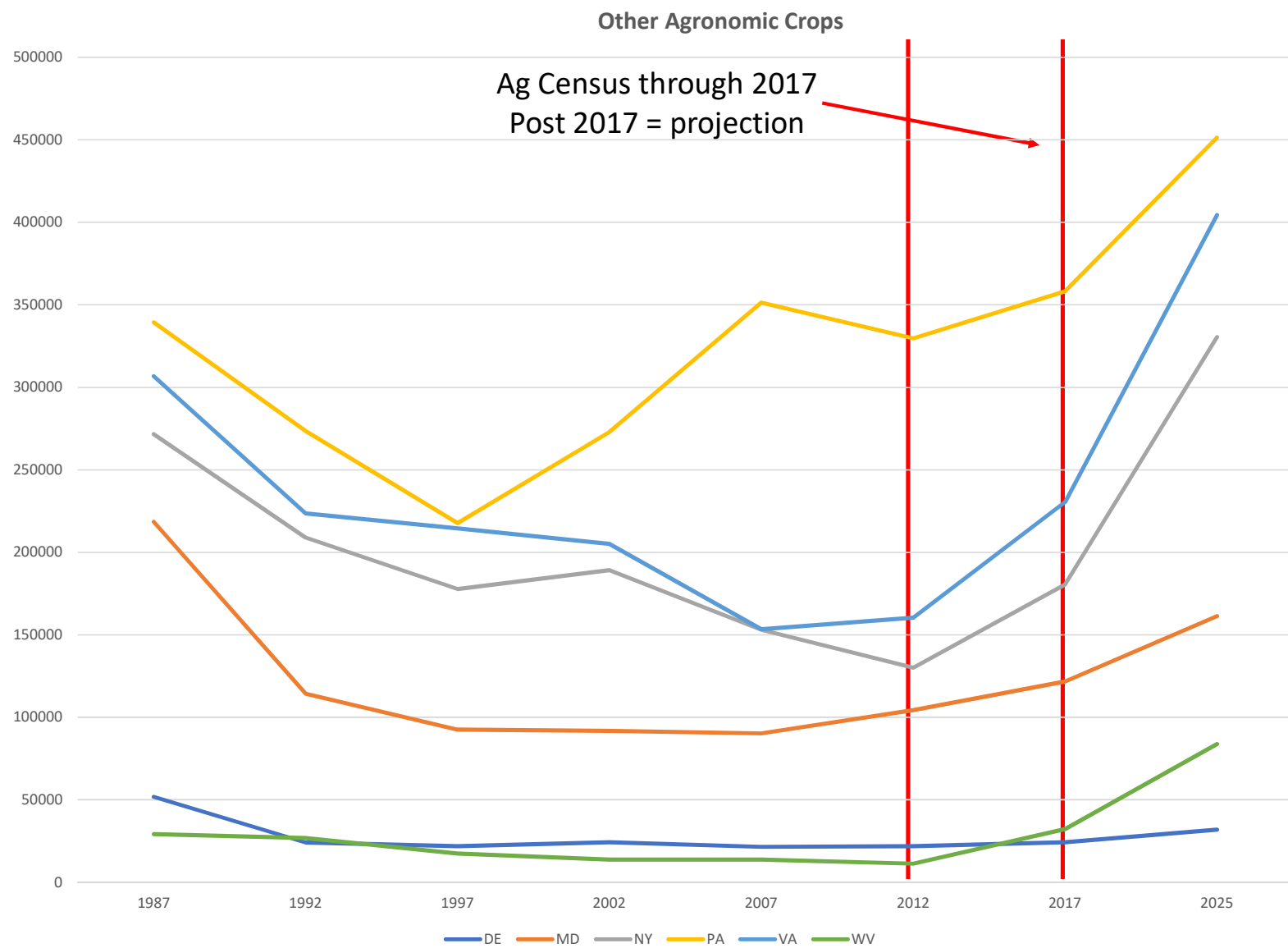


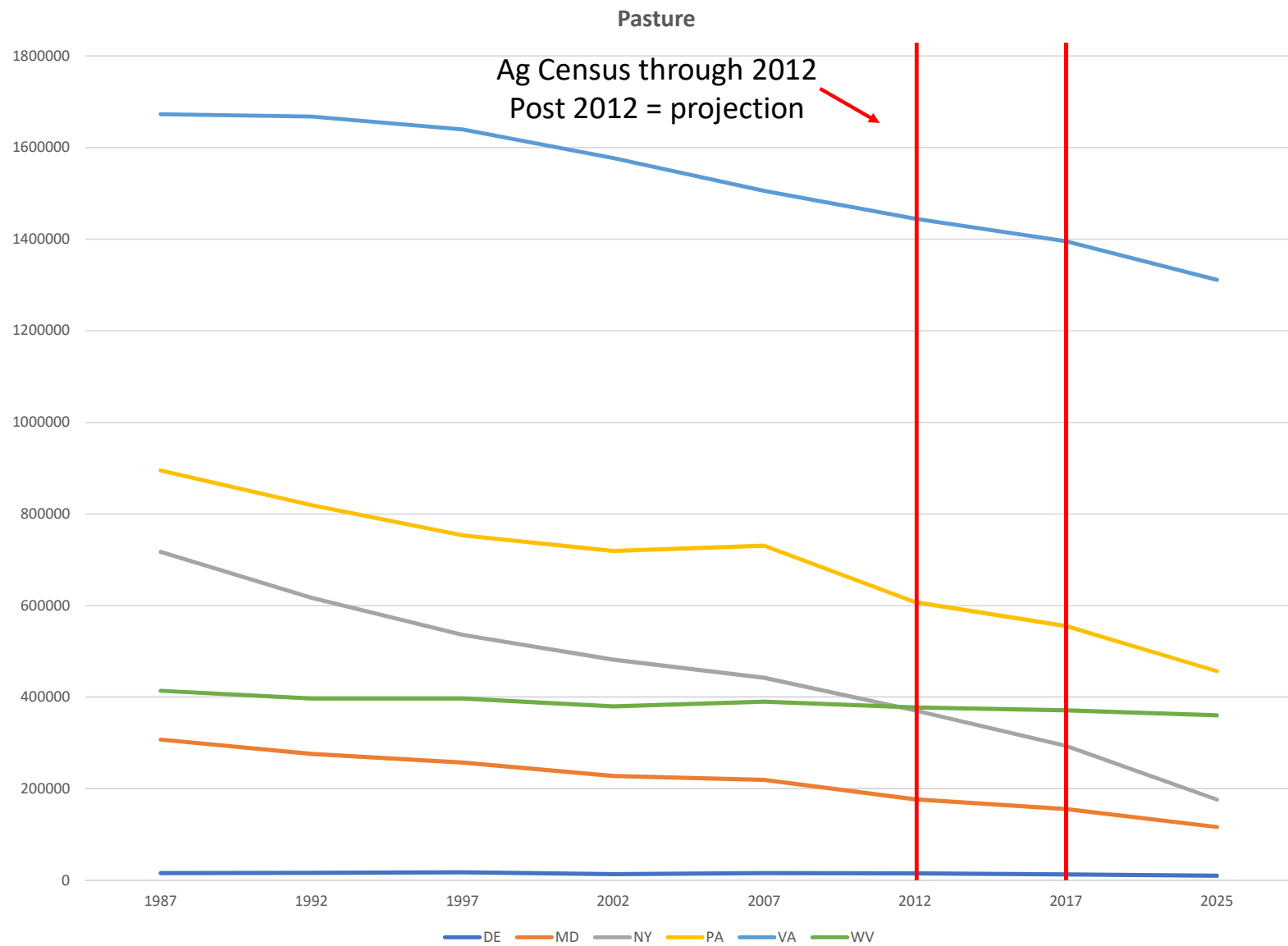


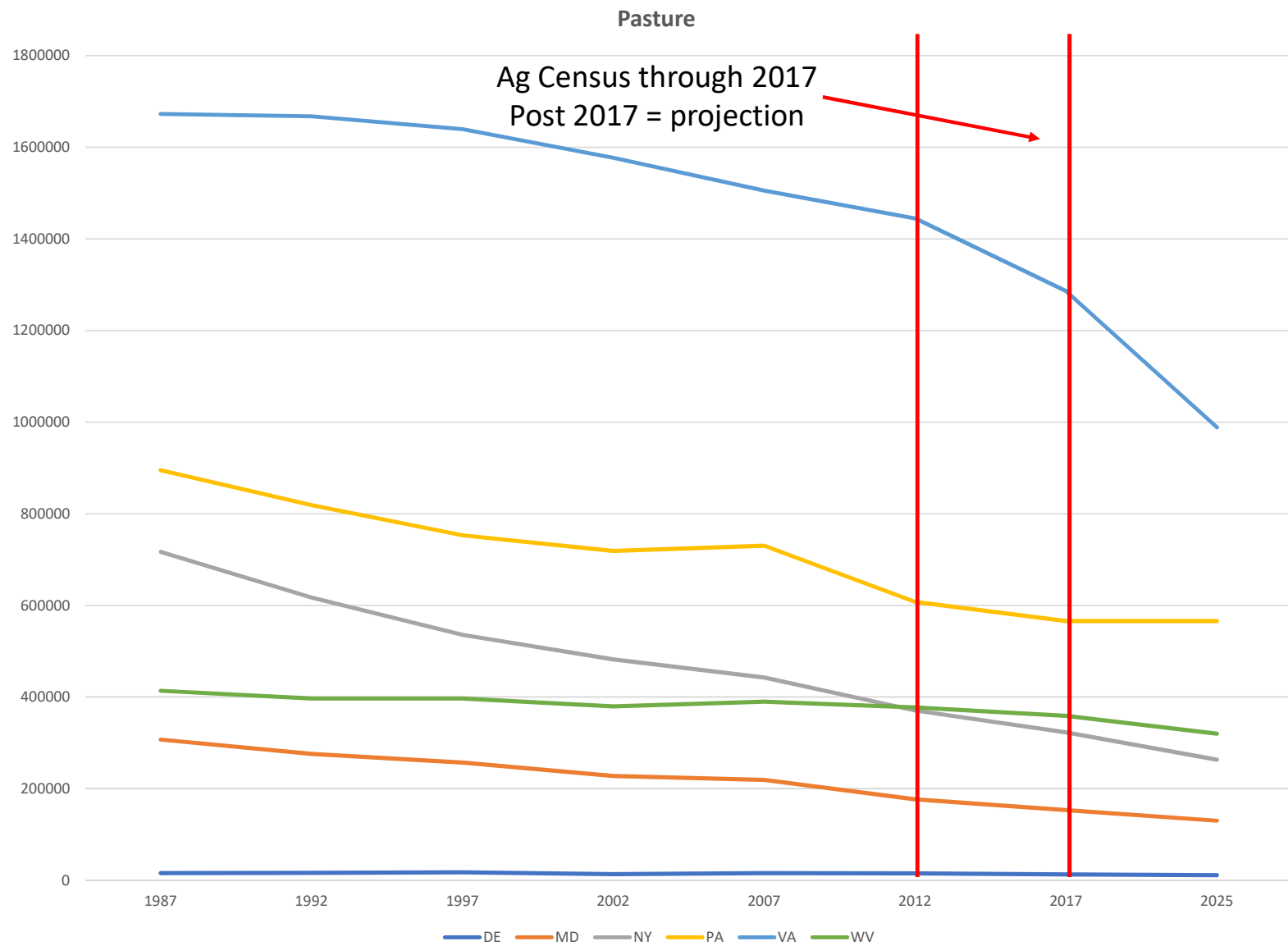


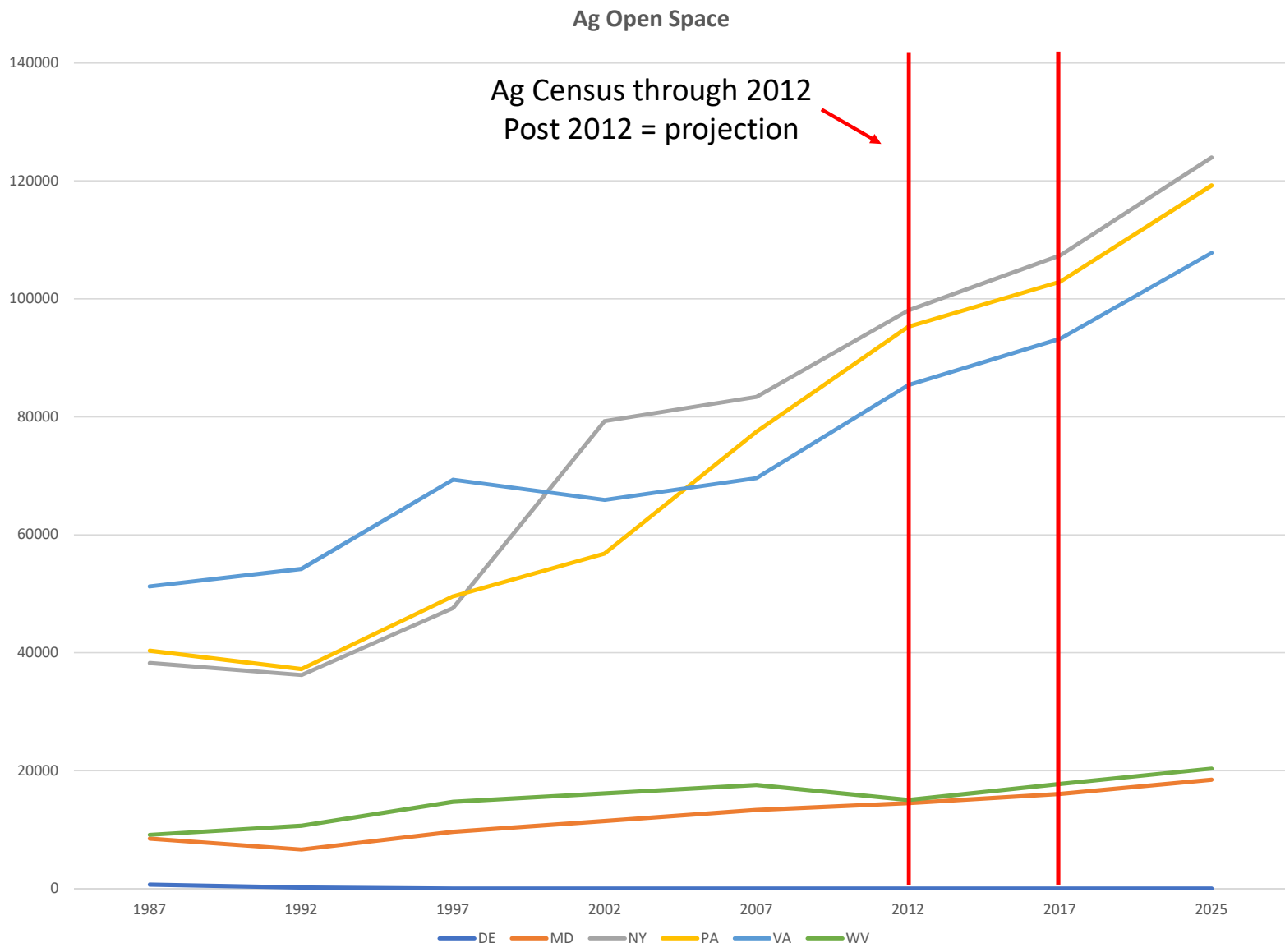


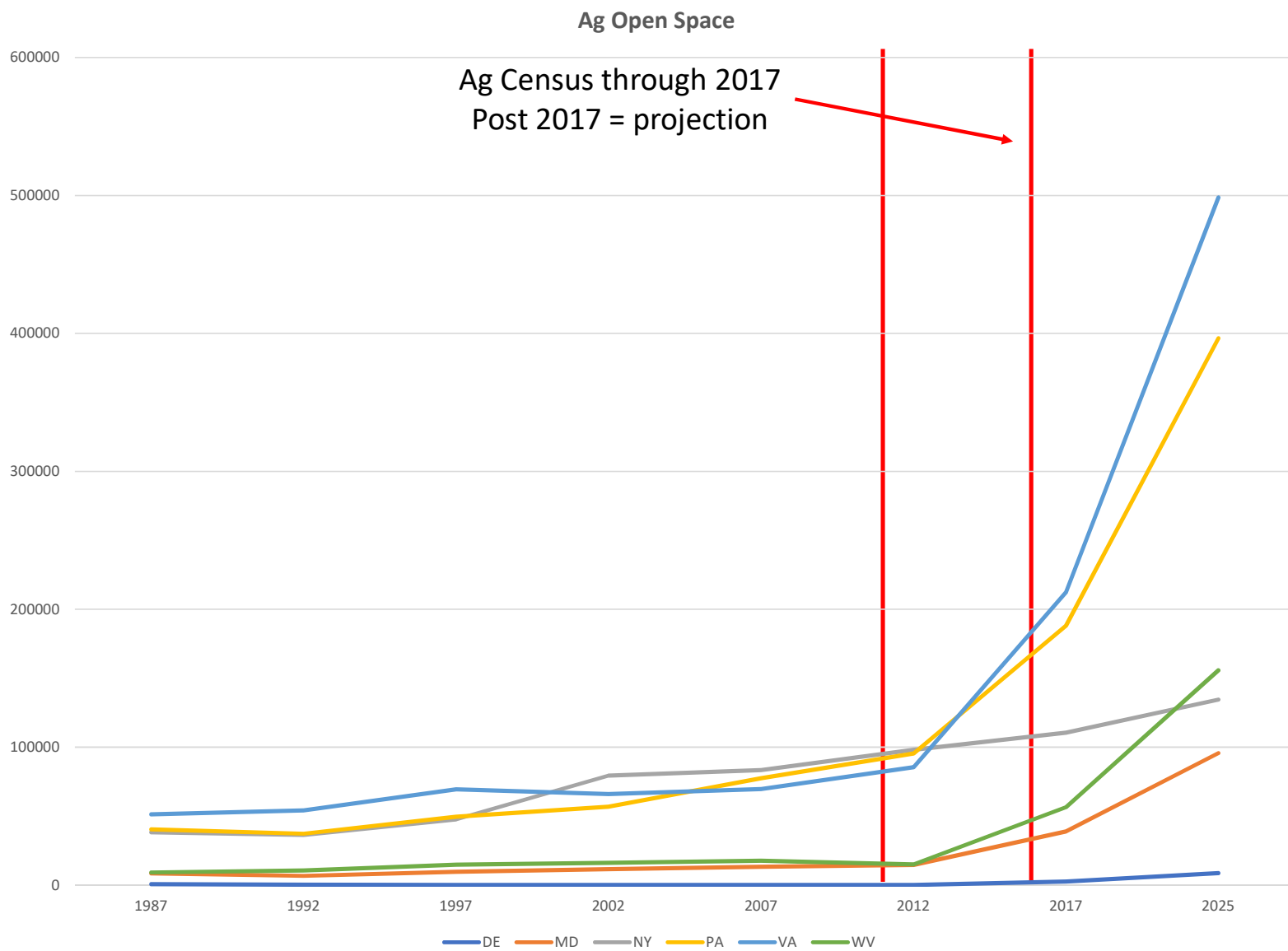














2017 Census of Agriculture

When will the new data be used?

- According to decisions through the PSC, introduction of new data and methods (science) occurs at the beginning of new Milestone periods.
 - 2017 Ag Census data will be incorporated with the next version of CAST for the 2020-2021 Milestone period.
 - CAST is out for trial Oct. 1, 2019 and finalized Nov. 1.
- The new forecasts are used for background conditions for the annual model Progress assessments. Starting point is "2nd" 2019 progress, then 2020 and 2021 Progress.
- The new forecasts do not change the background conditions for Phase 3 WIPs which are to be finalized August, 2019.

Water Quality Standards Attainment

