

Due 02/24/2022

Watch the video here <https://www.youtube.com/watch?v=nE3dsouycQc> and answer the following questions.

1. What is the target reduction of percent Phosphorus and Nitrogen by 2035?
2. Around 13:40 in the video they discuss farmers applying greater than 40% of their nitrogen for the corn crop. Was that the most profitable application? What reasons are cited for the difference?
3. Around 20:30 there is a graph of pounds of nitrogen applied and the respective corn yield. What was the highest corn yield for the lowest rate (pounds of nitrogen applied) and what was the highest corn yield for the highest rate (pounds of nitrogen applied)? What are your thoughts about the relationship to the rate of nitrogen applied and the respective corn yield?
4. Around 31:00 the cost of tillage and return to the farmer is discussed, was it economic to perform tillage? What reasons do they provide for the difference?