



# Redressing the impact of the energy crisis

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# Outline

## The Energy Crisis

- Impact on Fertiliser Sales
- Impact on Soil Fertility – 2023 Soil Analysis Results
- What Happened the last time
- Future Direction

# Challenges

Grass Production / Crop Yield

Fertiliser Register

Increased Regulation

Retaining the N reduction

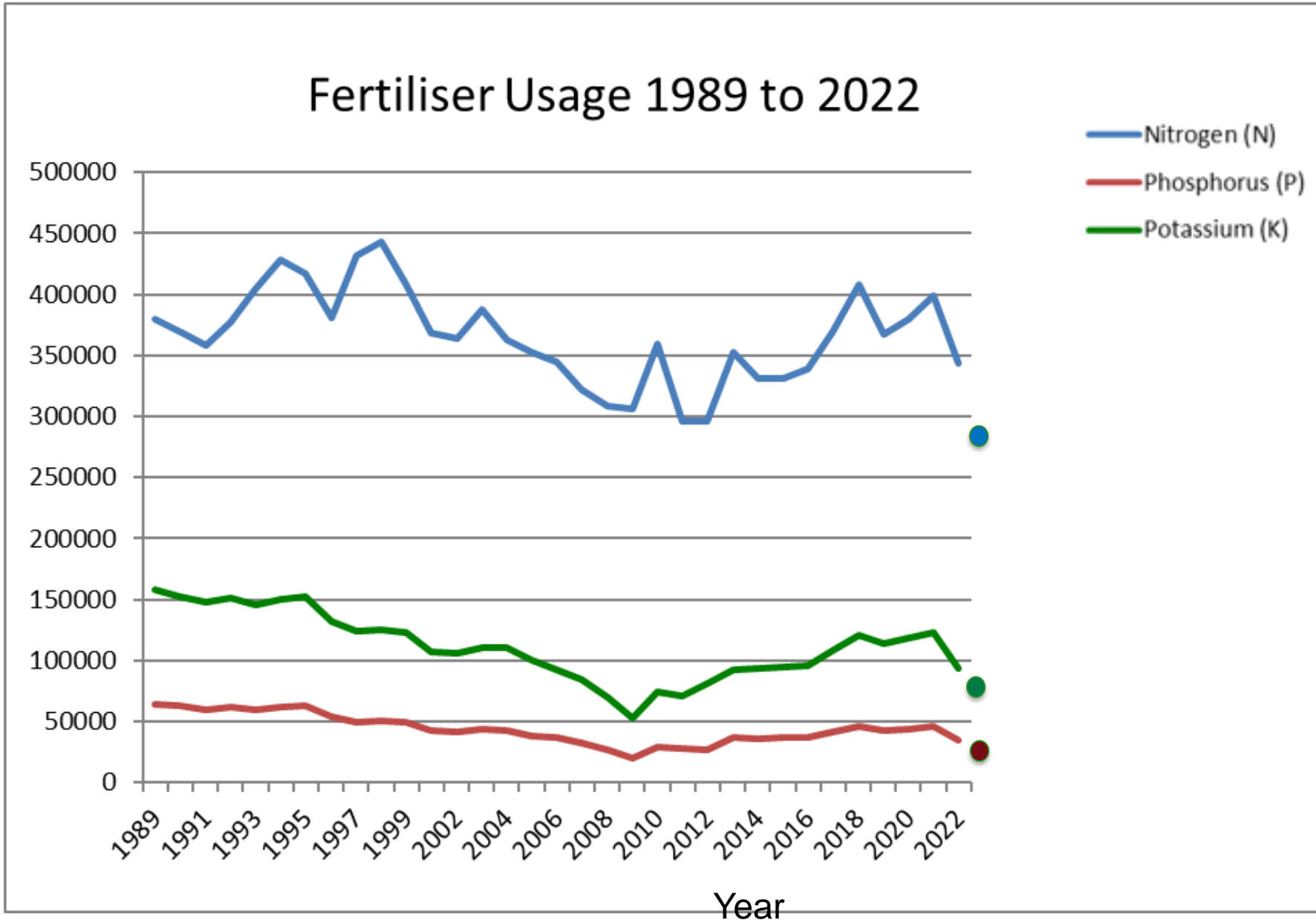
Improve Soil Fertility

Reduce Costs

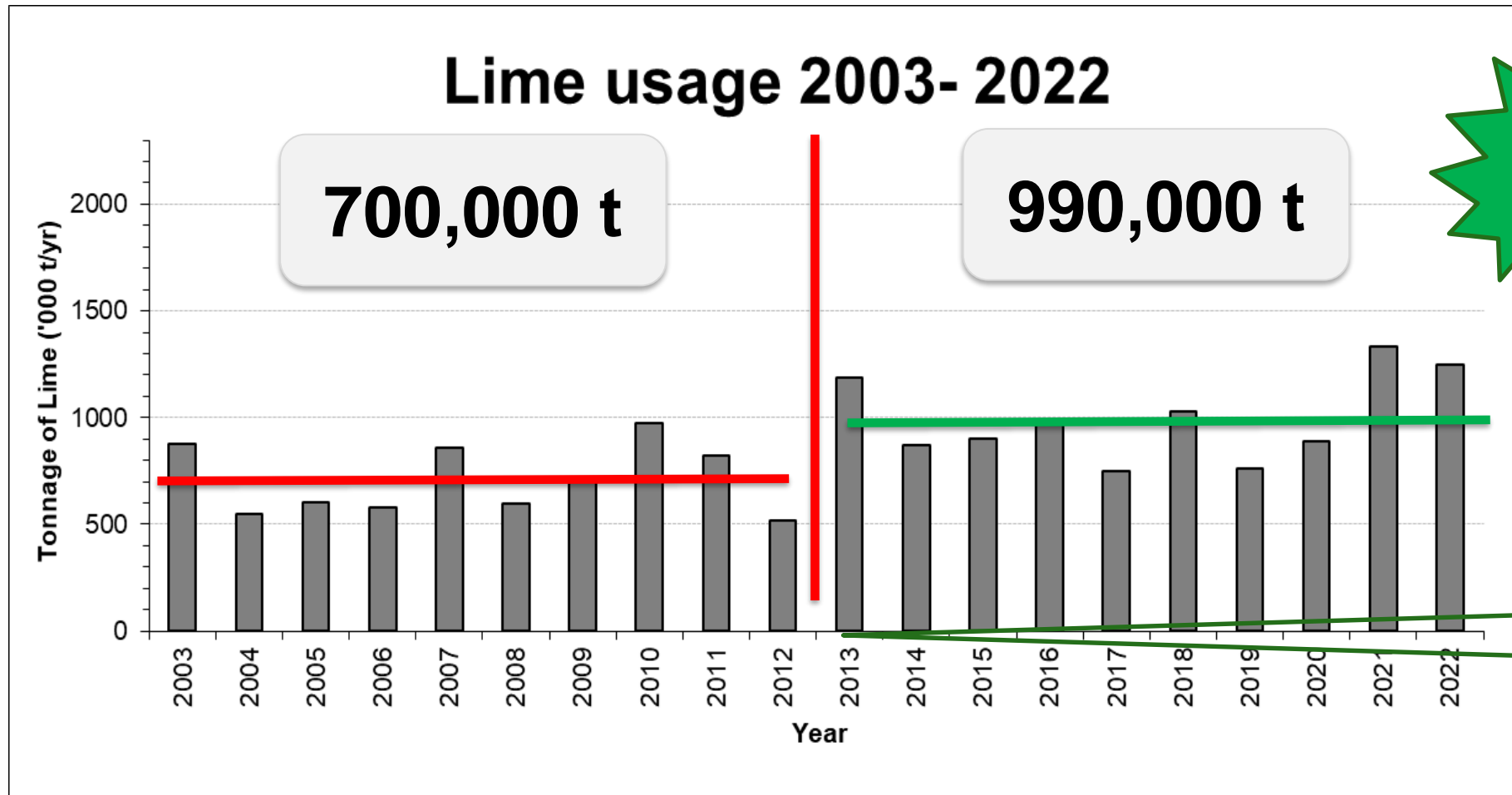
Reduce Emissions

Reduce Loss to Water

# Fertiliser Use over the decades



# Lime Use over the last 20 years

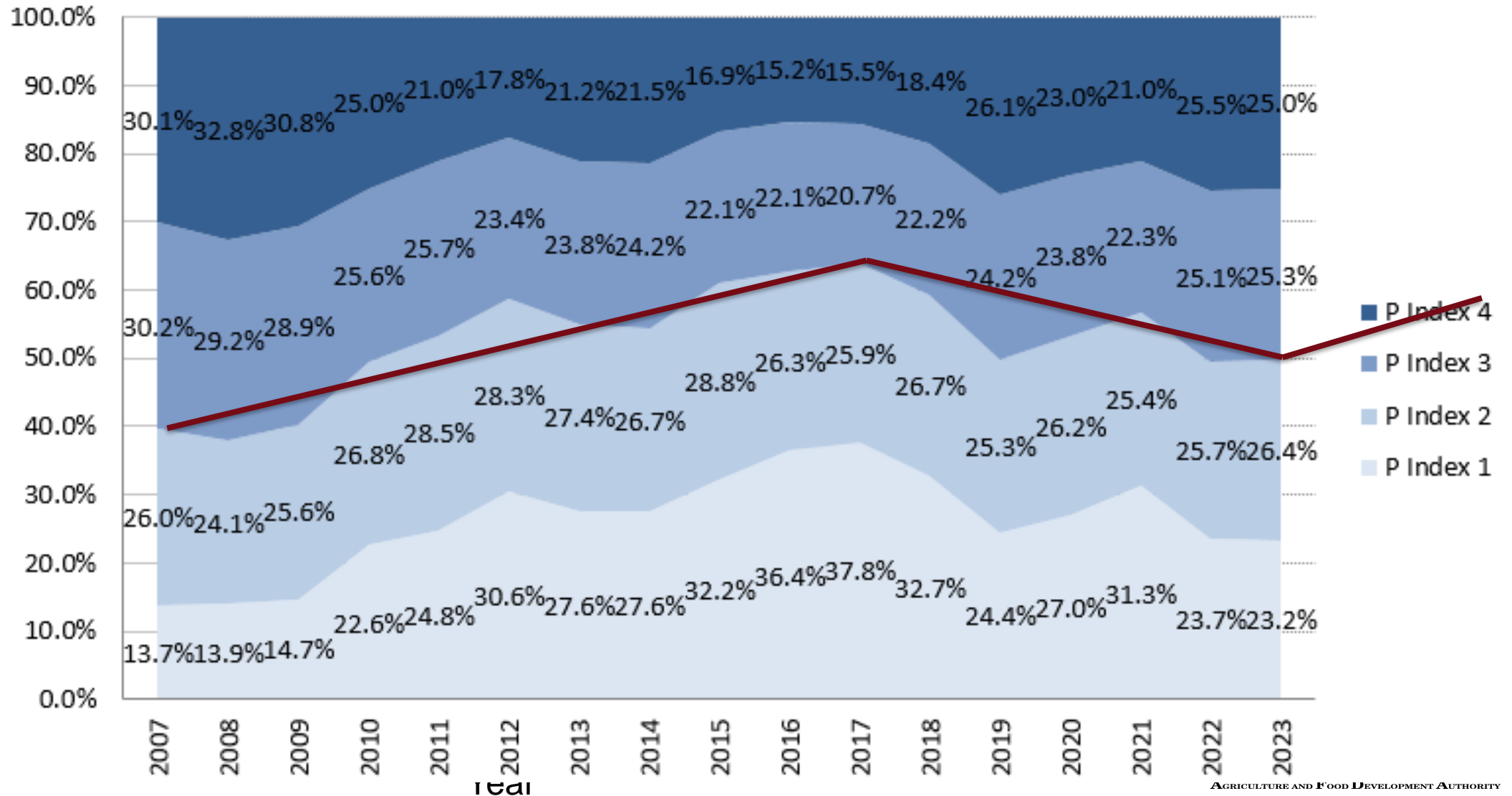


+30 %

Soil fertility  
KT  
awareness  
campaign

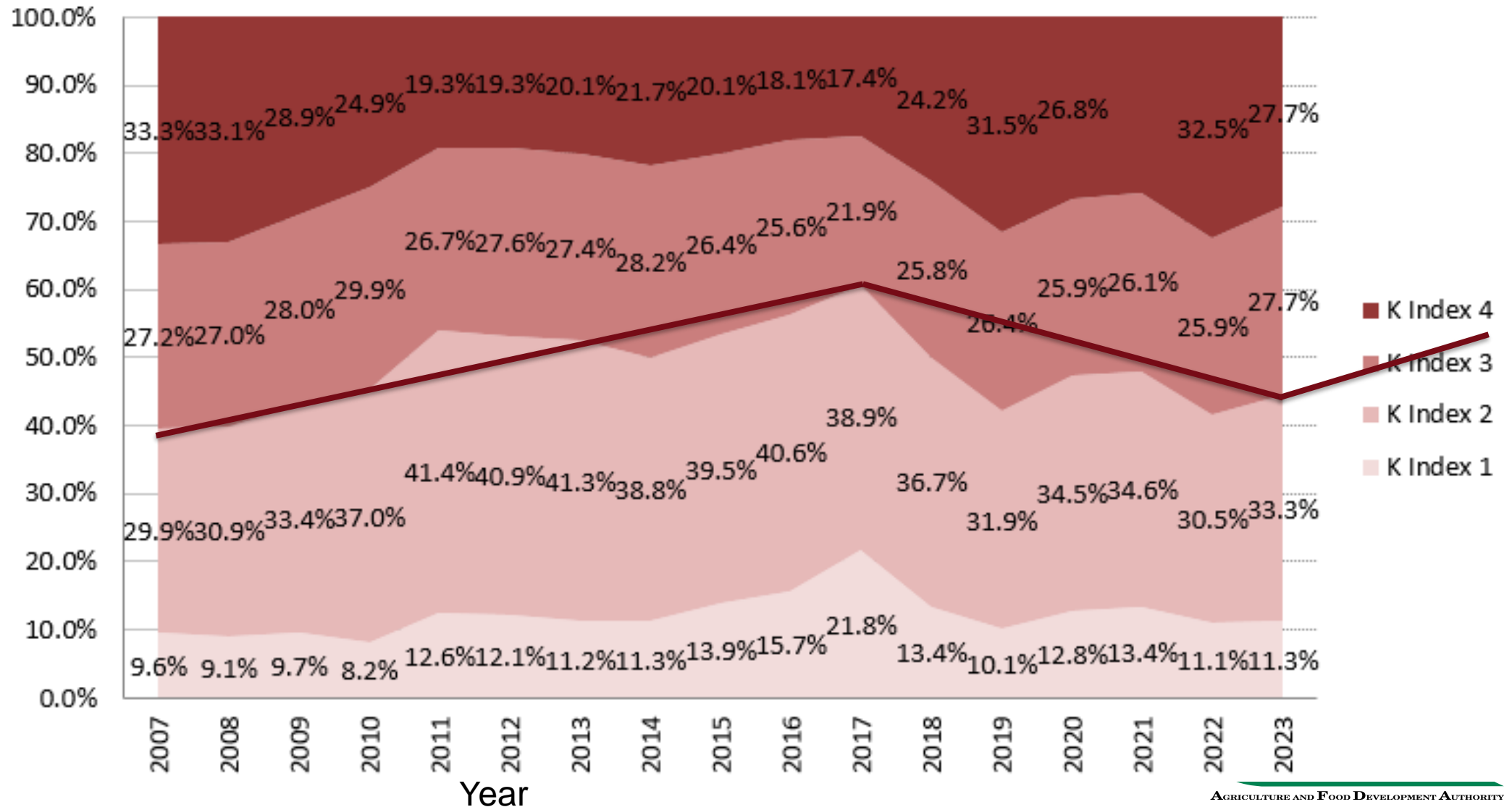
# Soil Fertility Trends

## Trend in Soil P Index



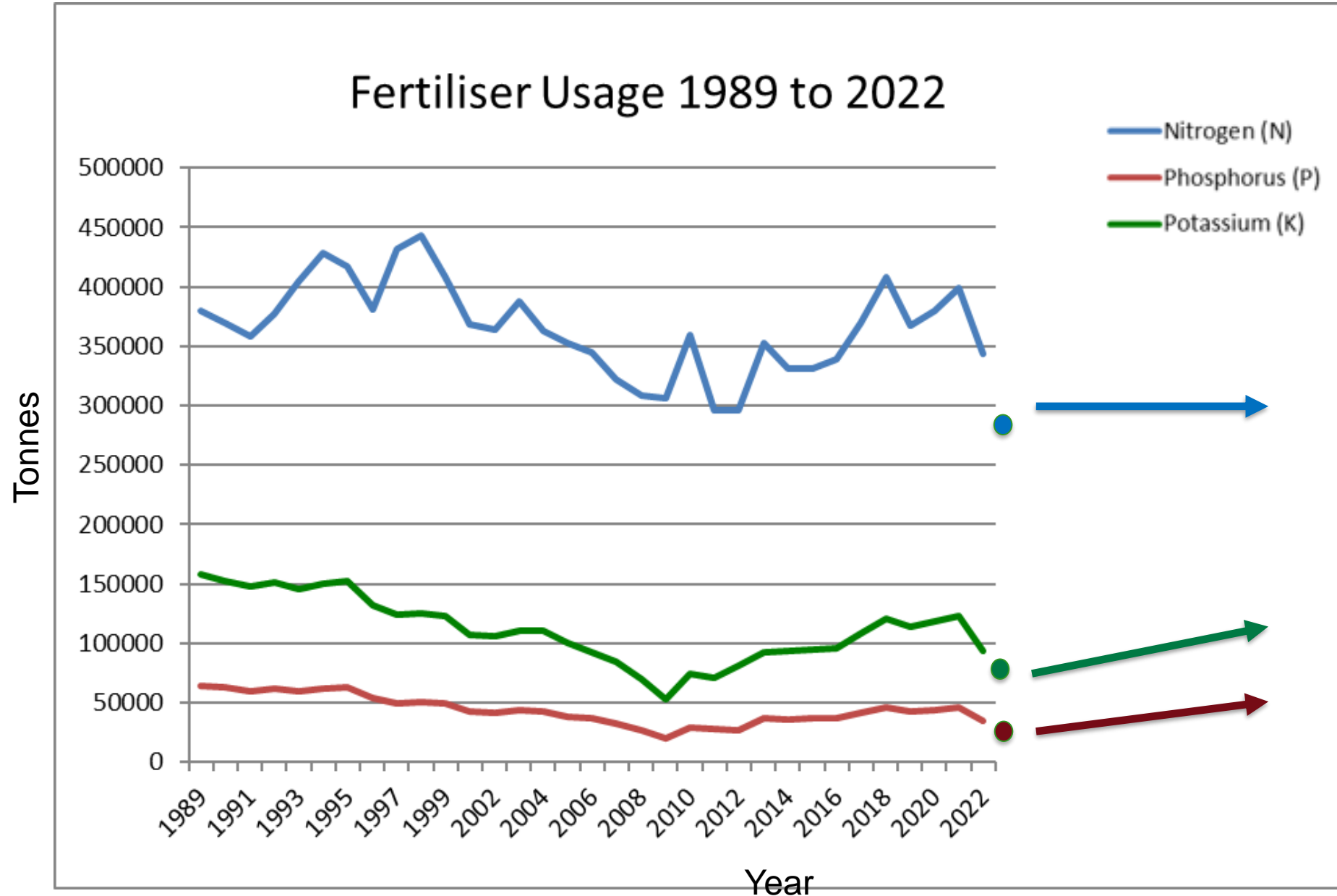
# Soil Fertility Trends

## Trend in Soil K Index





# Fertiliser Use over the decades



# Challenges at Farm Level

- Reverse Fall in P&K Use
- Improve Soil Fertility
  - Increase P&K
- Increase Protected Urea
  - Replace Urea to reduce ammonia
  - Replace CAN to reduce GHGs
- Maximise the effect of available nutrient
  - Better targeting within the farm

Product mix on most farms need to Change

Regulation will step in soon if slow change continues

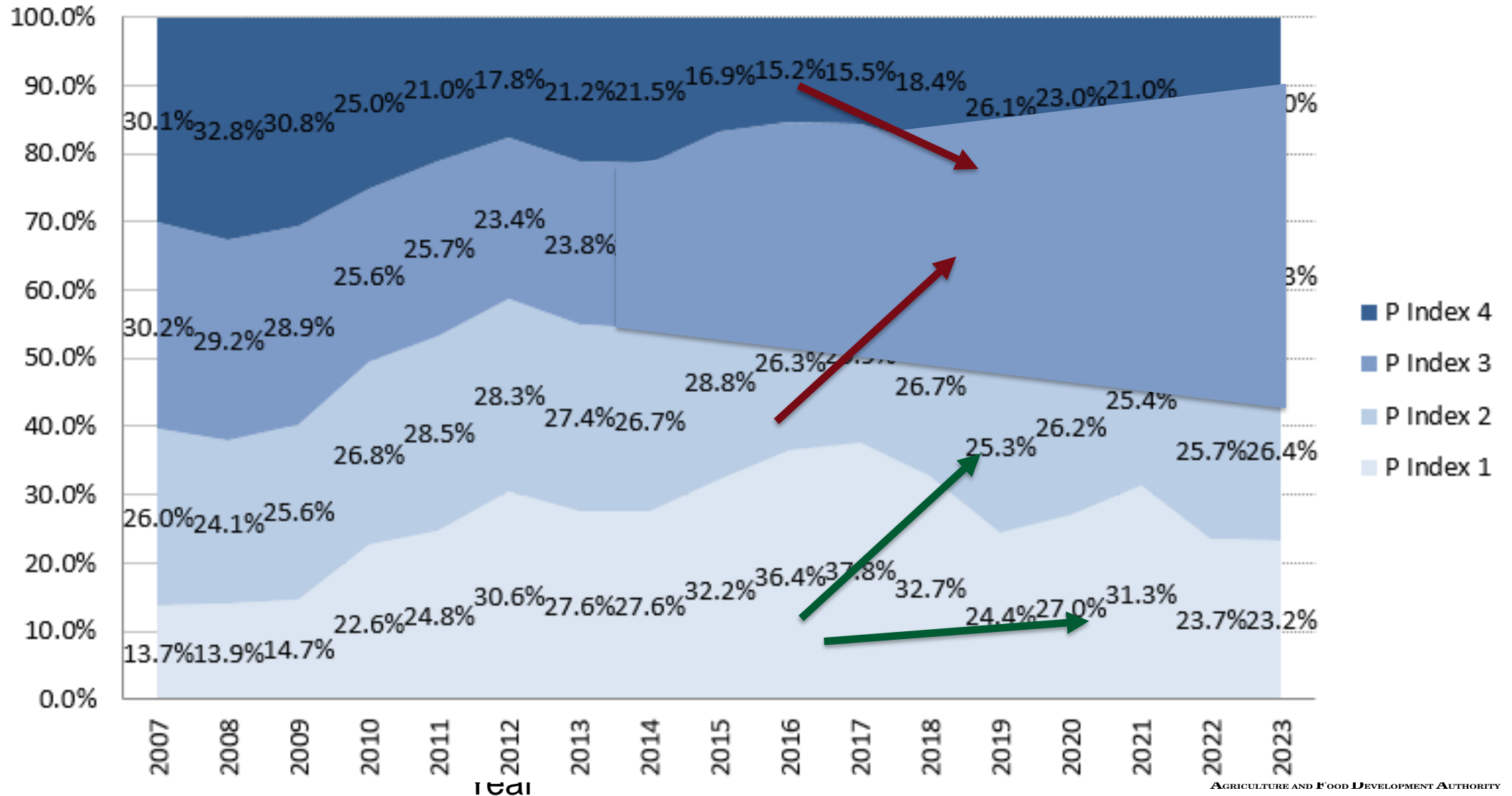
# Product Mix

- Less N
- Less CAN and CAN compounds
- More Protected Urea
- More High PK Compounds (18-6-12, 10-10-20)



# Soil Nutrient Distribution

## Trend in Soil P Index



# Conclusion

- Last 2 years have been disruptive
- Lot of Change required
- Farmers will need Guidance and Reassurance
- A lot of problems if no change
  - Production
  - Regulation

