

Conservation Planning

To Meet Production and Water Quality Goals

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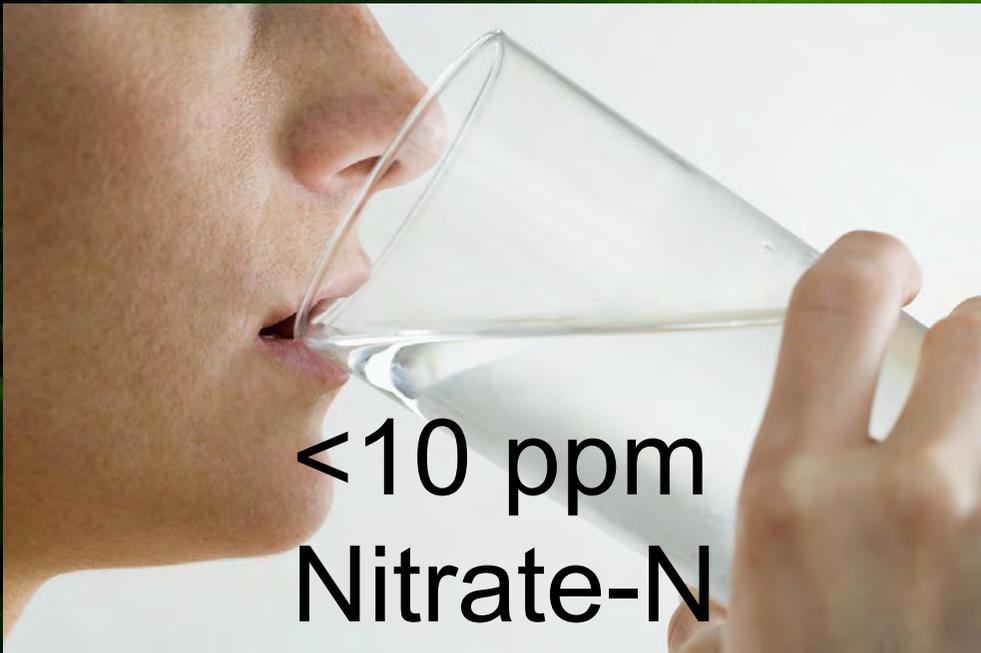
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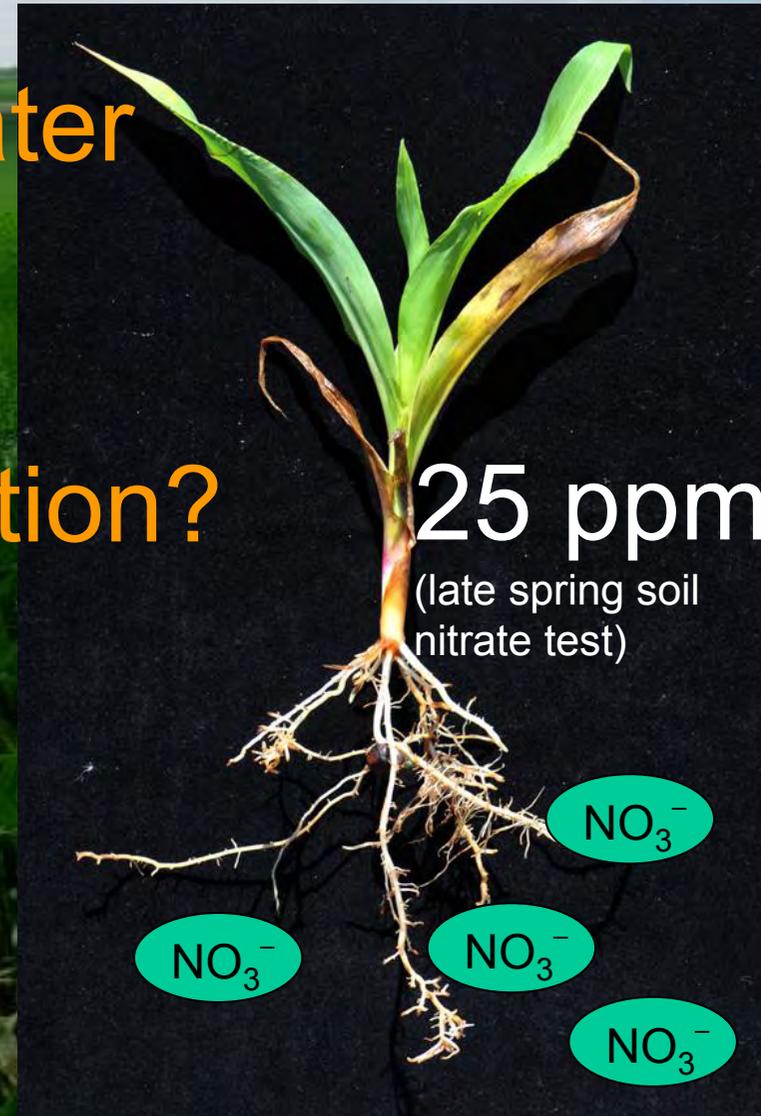
Desired Nitrate-N Concentrations

Drinking water?



<10 ppm
Nitrate-N

Soil water
for
corn
production?

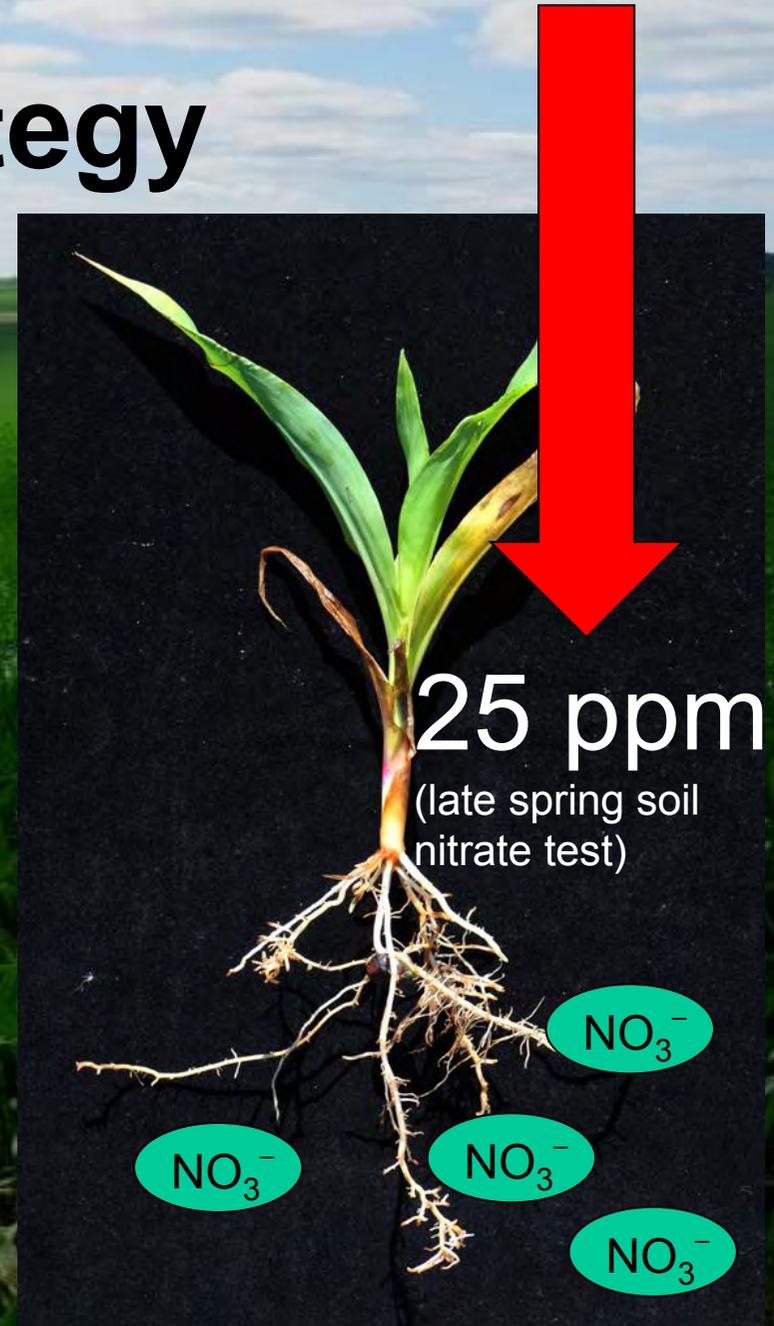


25 ppm
(late spring soil
nitrate test)

Is there a problem here?

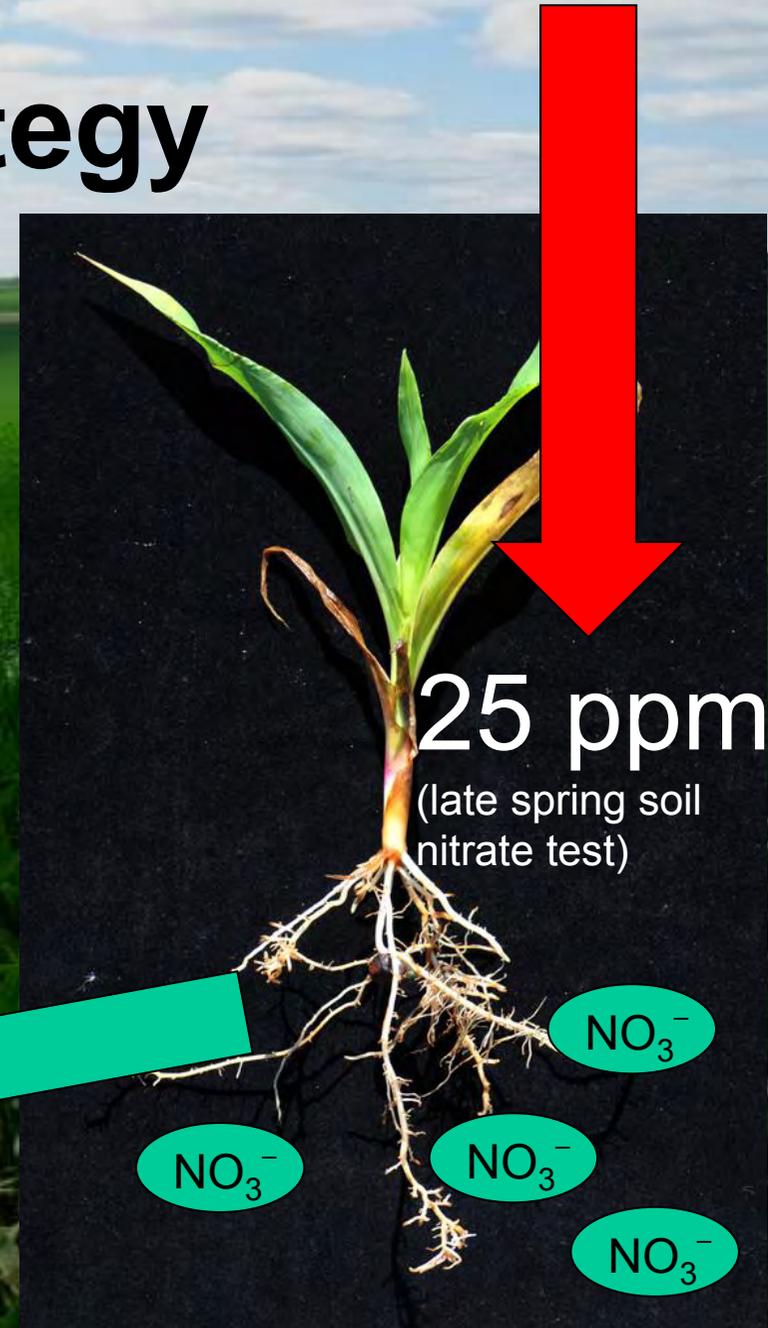
What is Our Strategy

- Manage nitrogen to avoid consistently exceeding the 25 ppm soil nitrate-N



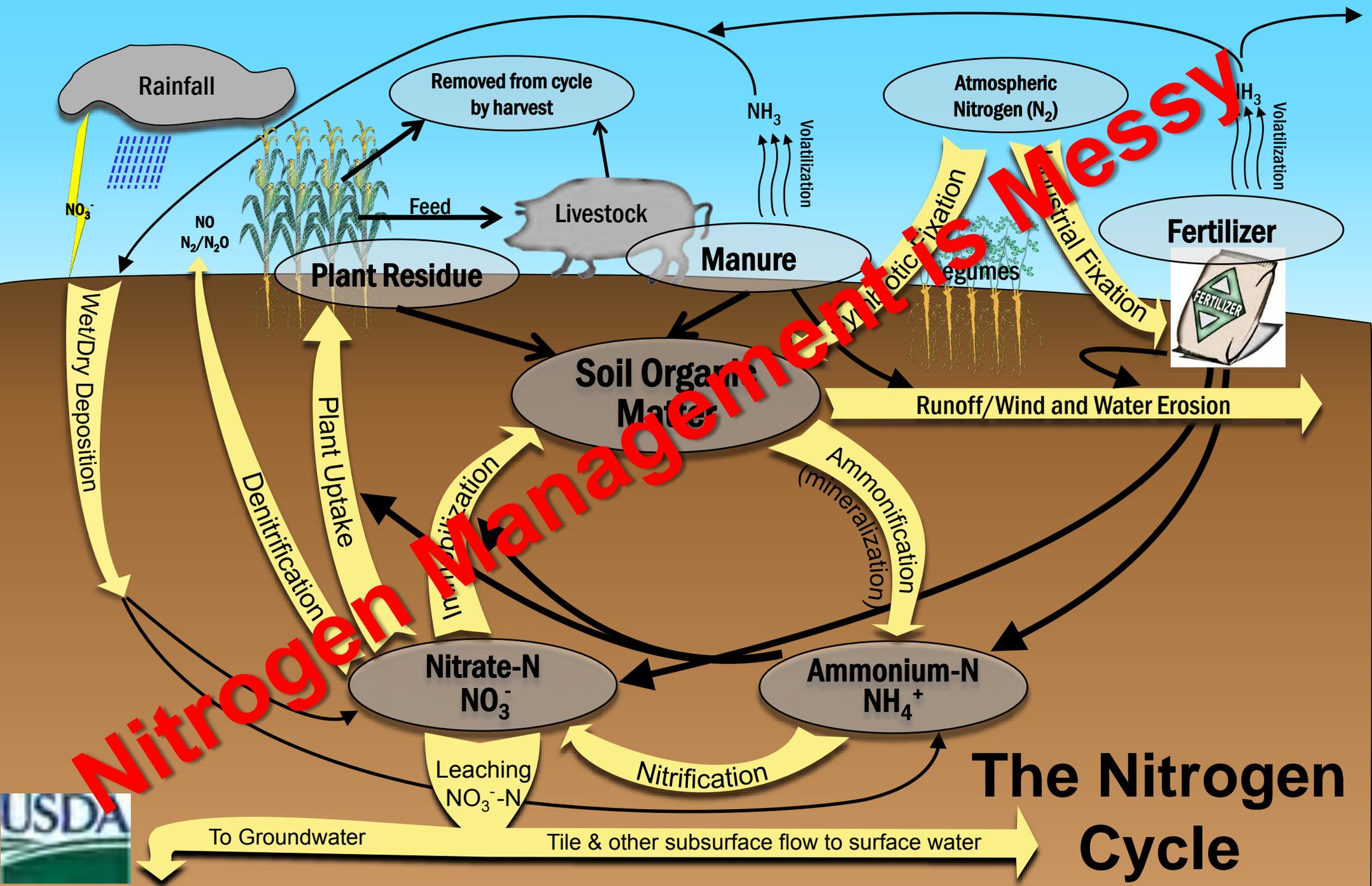
What is Our Strategy

- Manage nitrogen to avoid consistently exceeding the 25 ppm soil nitrate-N
- Trap nitrogen



To Address Well Source Water Contamination

- Nutrient Management Planning is a start
 - Can address not exceeding 25 ppm soil nitrate-N
- Nutrient Management Planning is not enough
 - Need to add practices to trap N



Conservation Planning



- Identify the resource problems
- Determine producer's objectives
- Inventory and analyze the resources

Consider Point Sources



And Nonpoint Sources

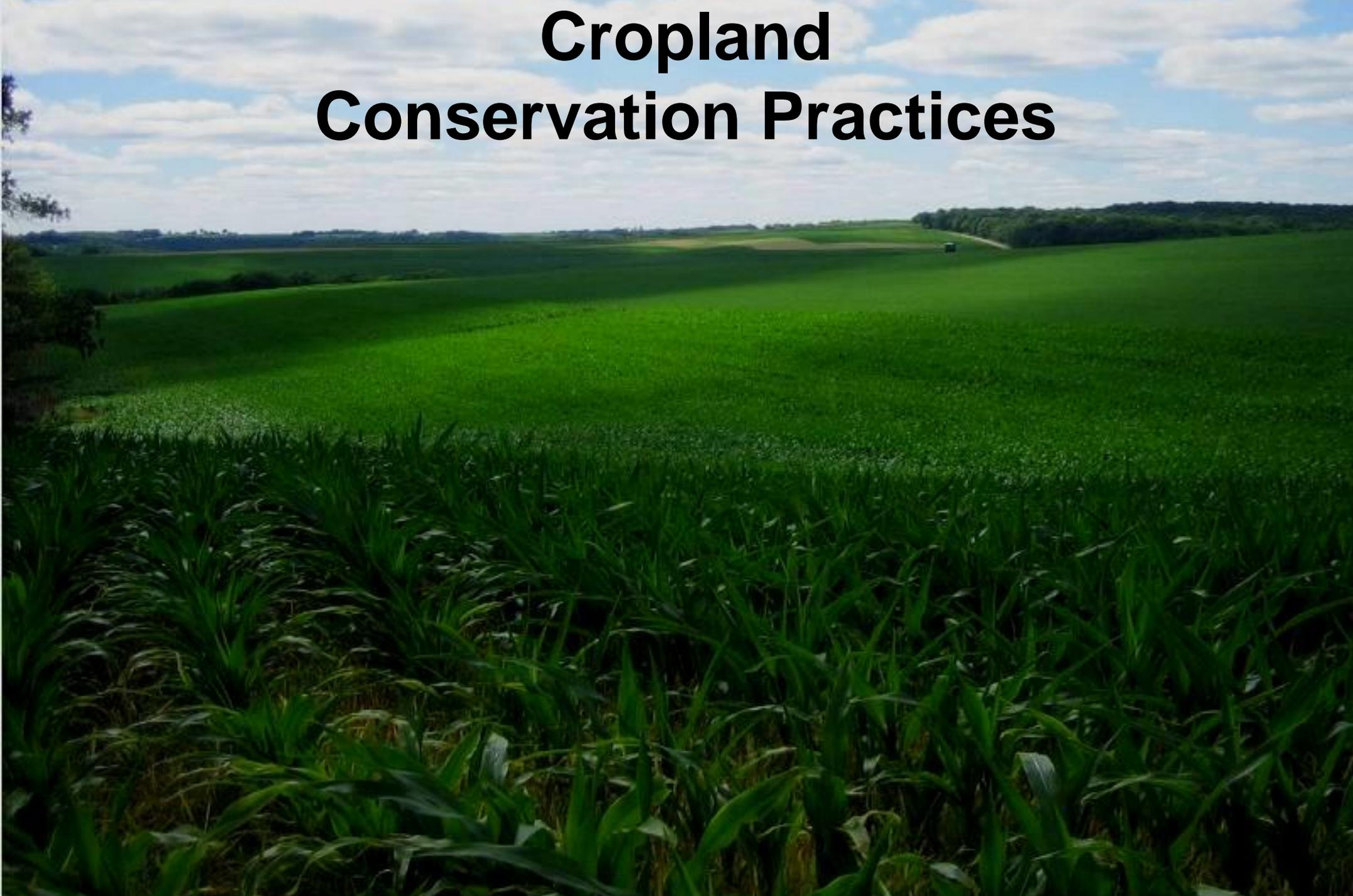


Conservation Planning



- Formulate and evaluate conservation alternatives

Cropland Conservation Practices



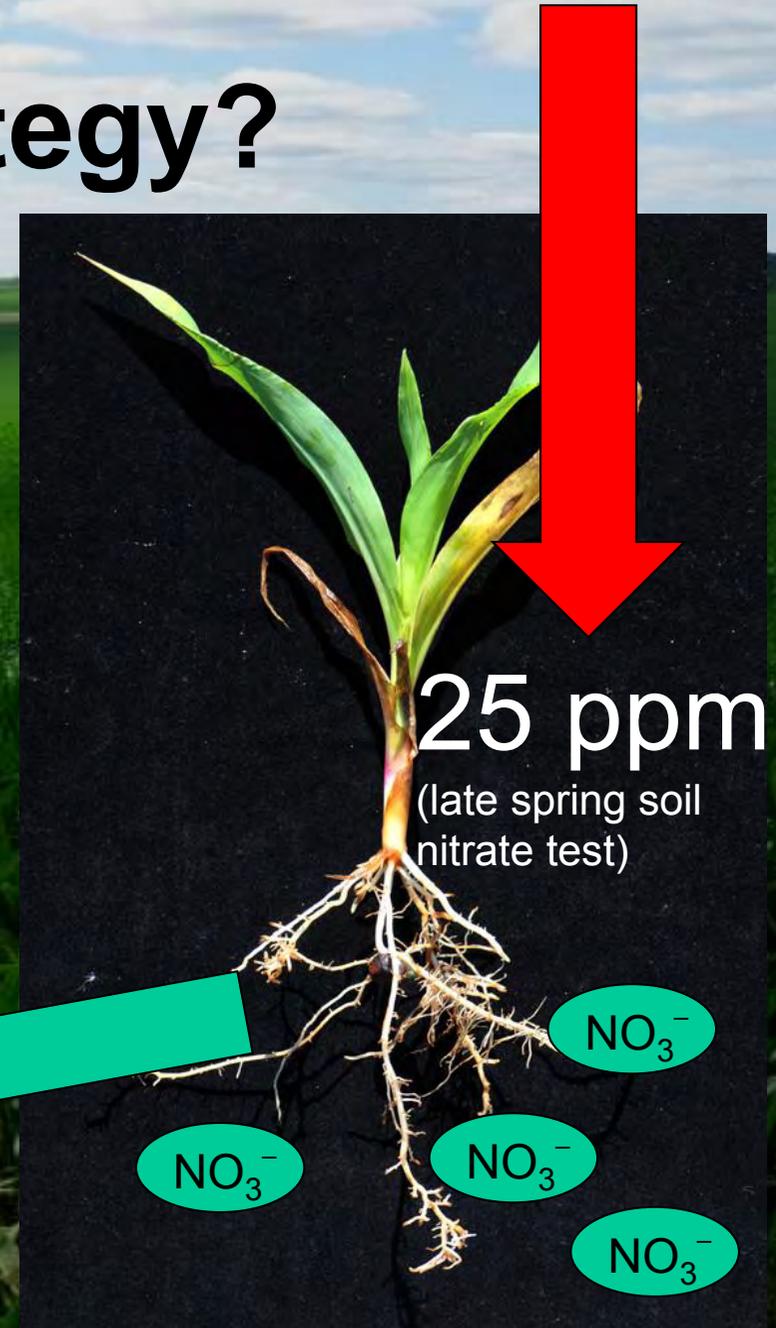
Conservation Planning

A wide-angle photograph of a lush green cornfield stretching towards a distant treeline under a bright blue sky with scattered white clouds. The foreground shows the detailed texture of the corn plants, while the background is a soft-focus expanse of green fields and a line of trees on the horizon.

- Producer makes a decision
- Implement the plan
- Evaluate the plan

What is Our Strategy?

- Nutrient management to avoid exceeding the 25 ppm soil nitrate-N
- Trap nitrogen
- Build a resilient system





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