

# Corn Nitrogen Management

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Nitrogen is Nitrogen



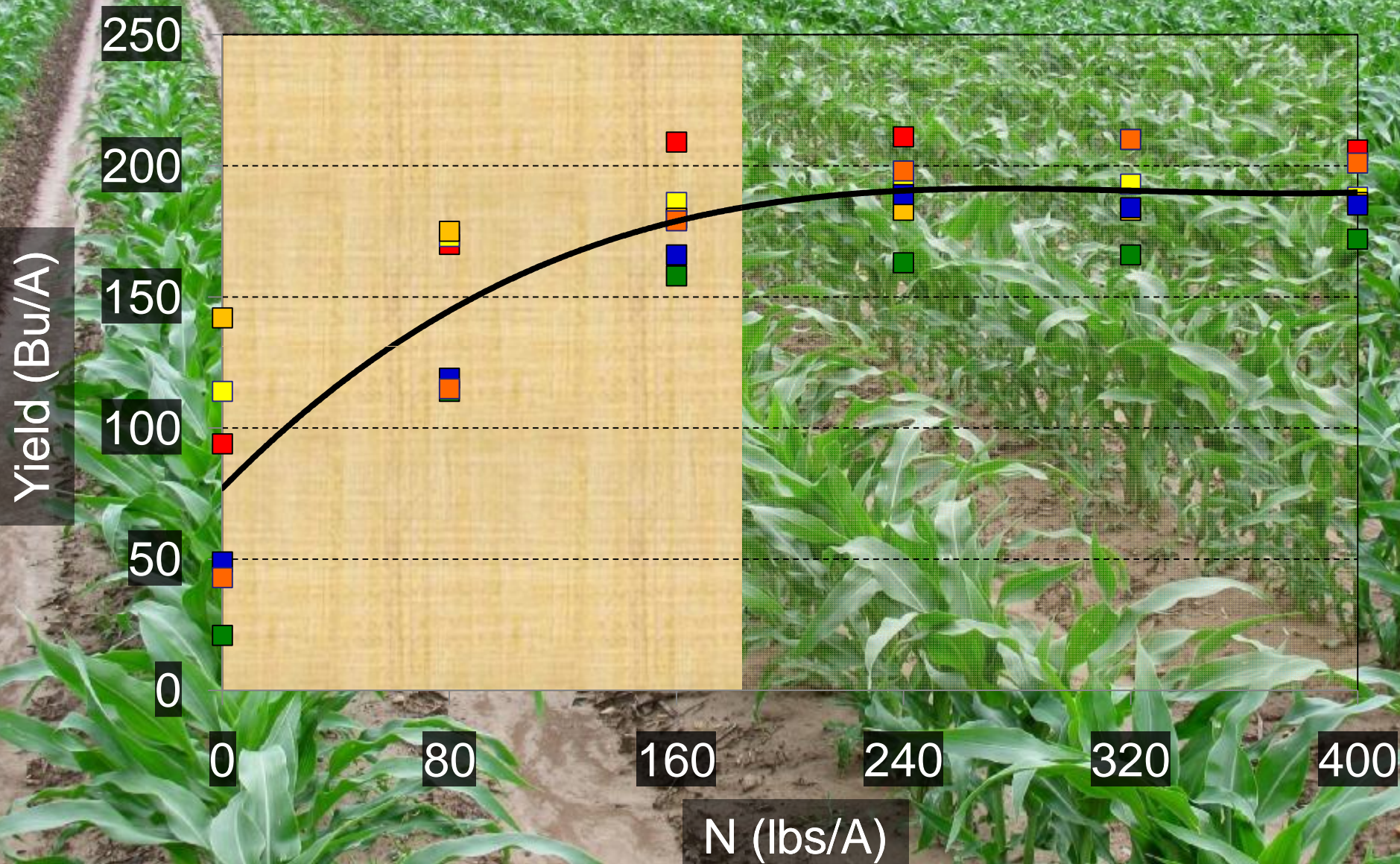


# Factors affecting N response

- n Nitrogen rate
- n Fertilizer source
- n Application method
- n Application timing

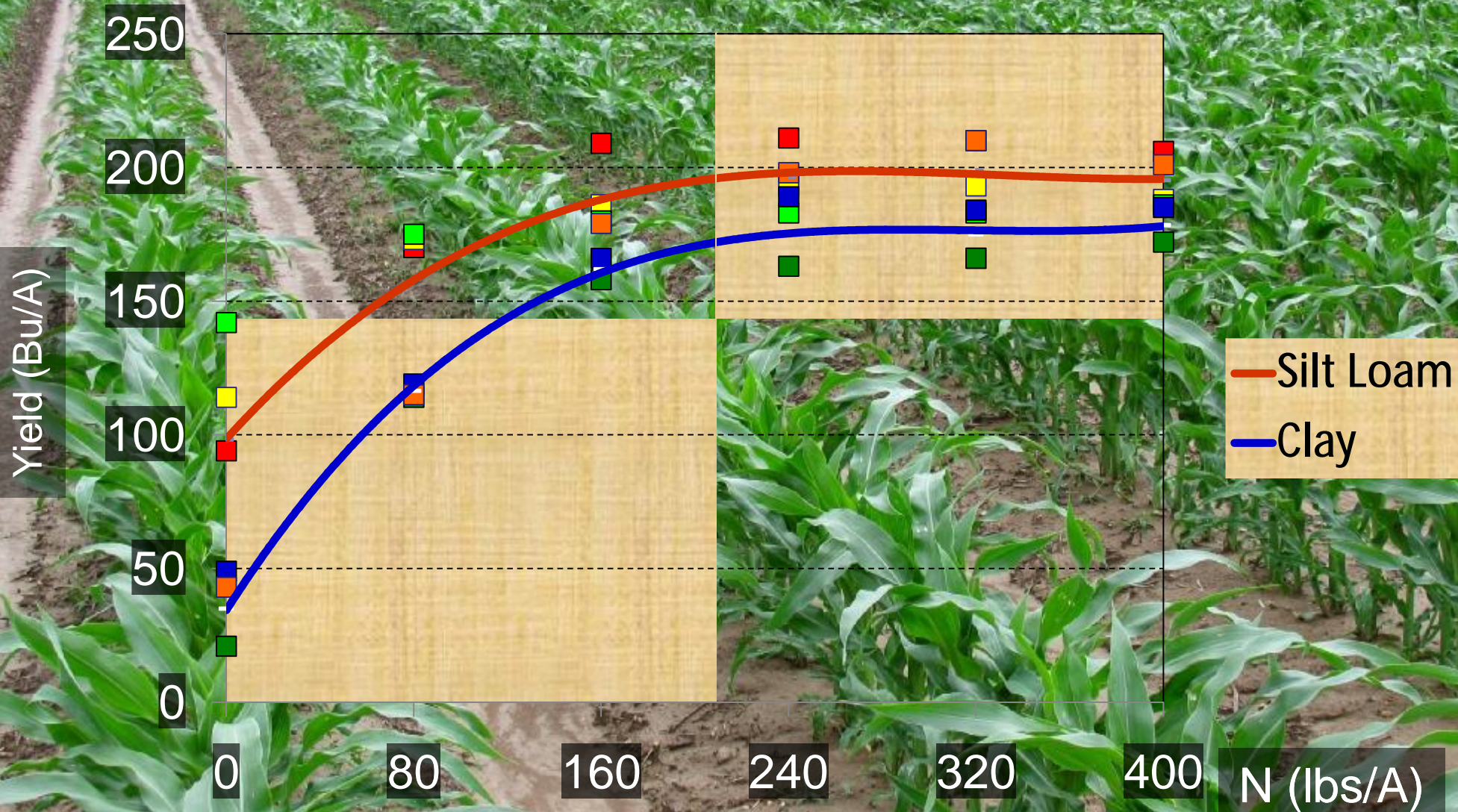


# Corn Response to Nitrogen Rate





# Corn Response to Nitrogen Rate





# Suggested Application Methods

## n Urea and UAN-solution

- n Will volatilize on soil surface

- n Inject UAN

- n Urea requires incorporation – minimize amount

- n Urease inhibitor will help slow volatility

## n Ammonium nitrate

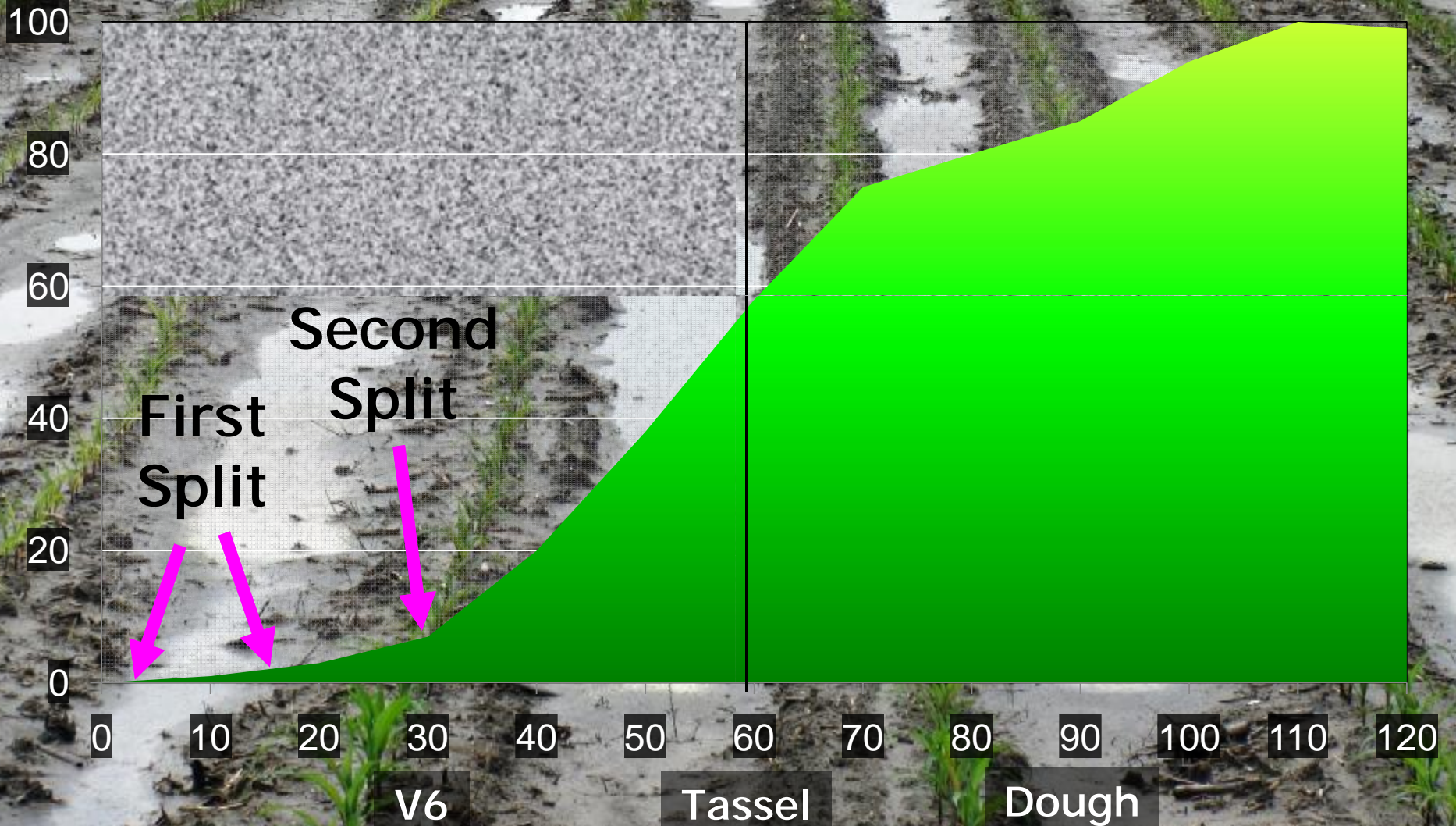
- n Preferred for mid-season broadcast application

- n Particularly for dryland culture



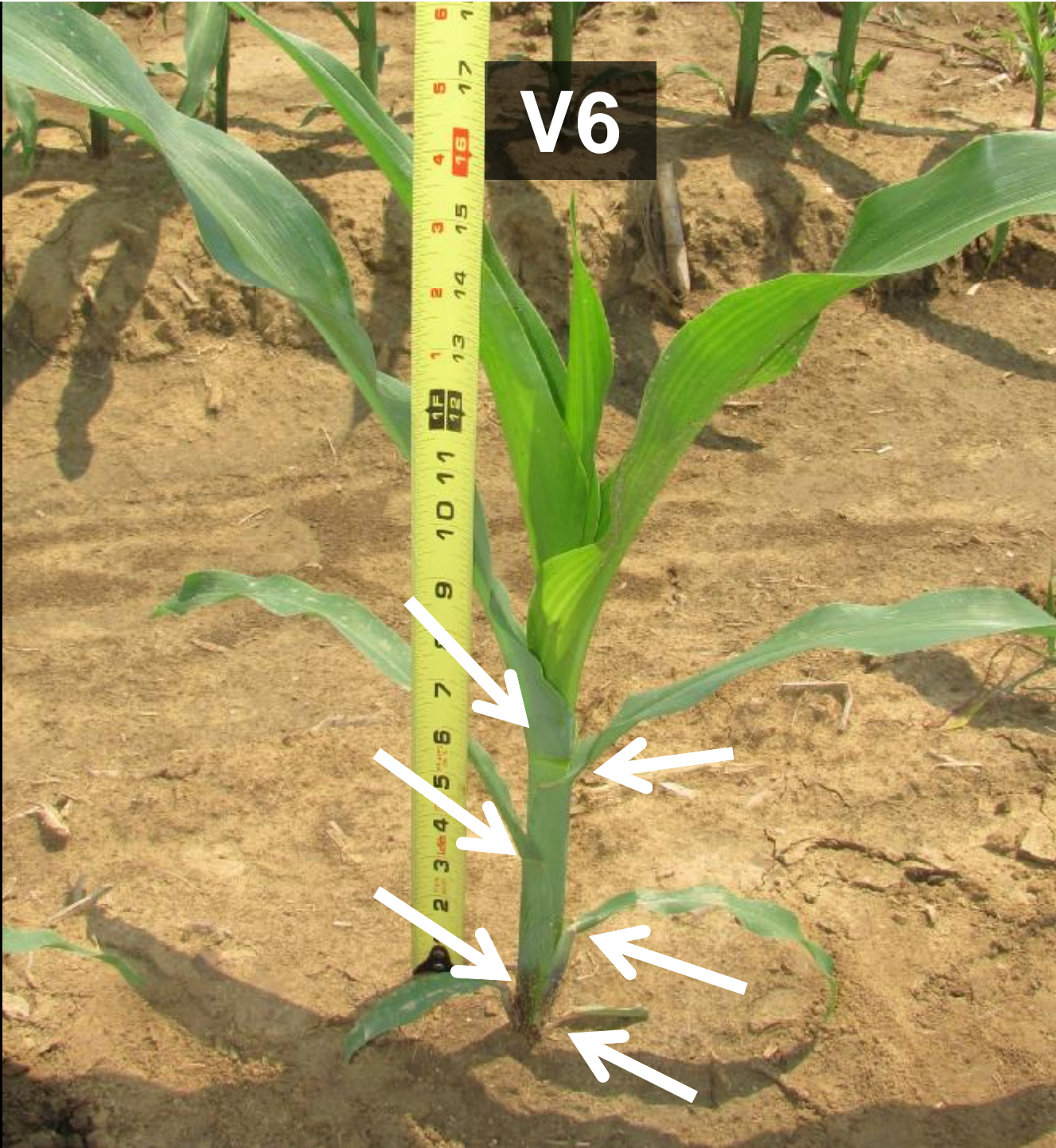
# Seasonal Nitrogen Use

% of N Uptake





V6





# Nitrogen Deficiency





A photograph of a cornfield where the lower leaves of the plants are showing significant yellowing and necrosis, characteristic of nitrogen deficiency. The upper leaves remain green, but the overall appearance is stunted and unhealthy. The soil is dark and appears to be cracked in some areas.

# Nitrogen Deficiency

- n Lower leaves

- n Distinctive pattern



# Questions



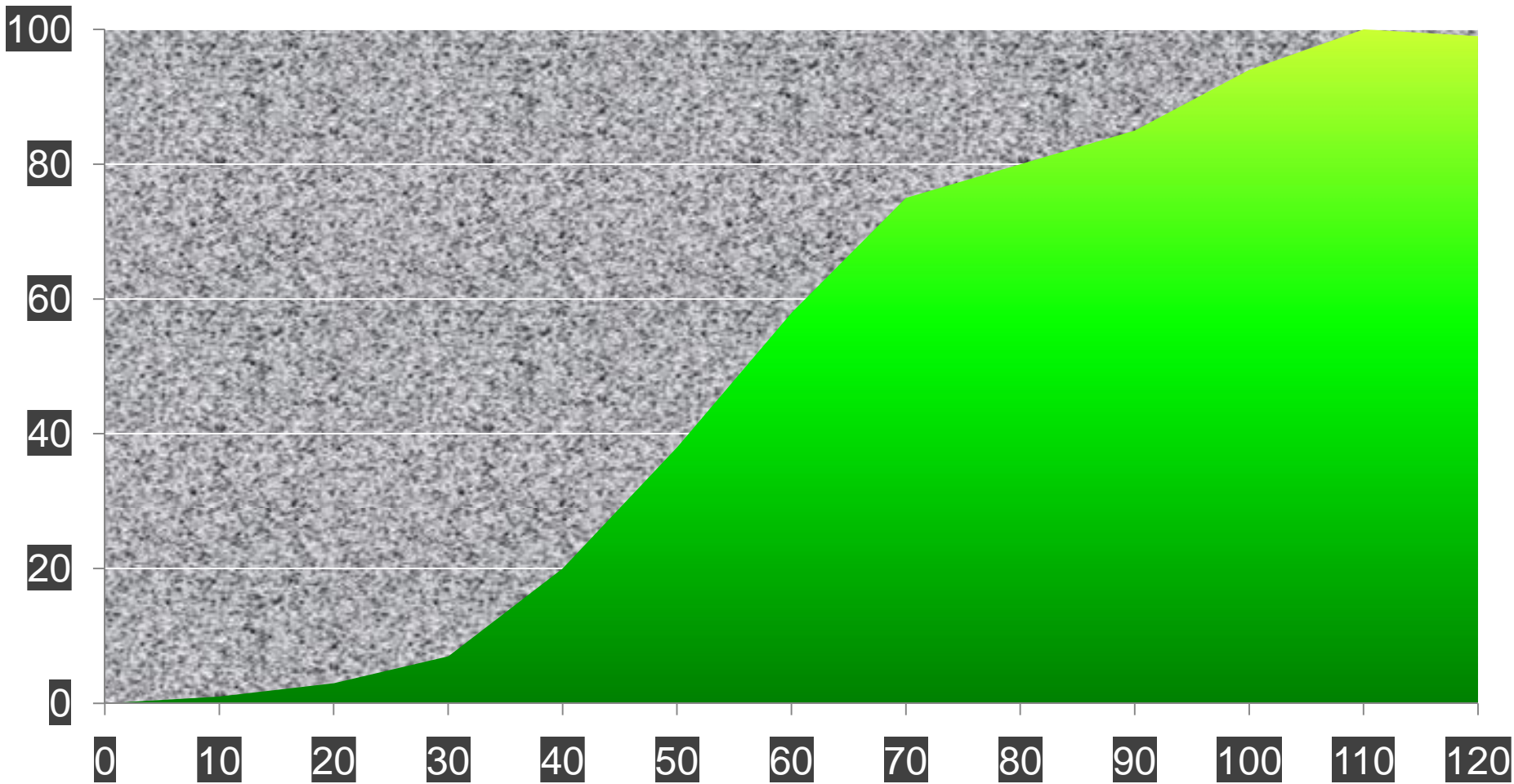
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# Sidedress root pruning









# Corn Response to Nitrogen Rate

