

CROP RESPONSE AS SOIL TEST LEVEL SLIPS BELOW CRITICAL

Robert Mullen

Director of Agronomy

eKonomics

THE BUSINESS OF CROP NUTRITION

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BY



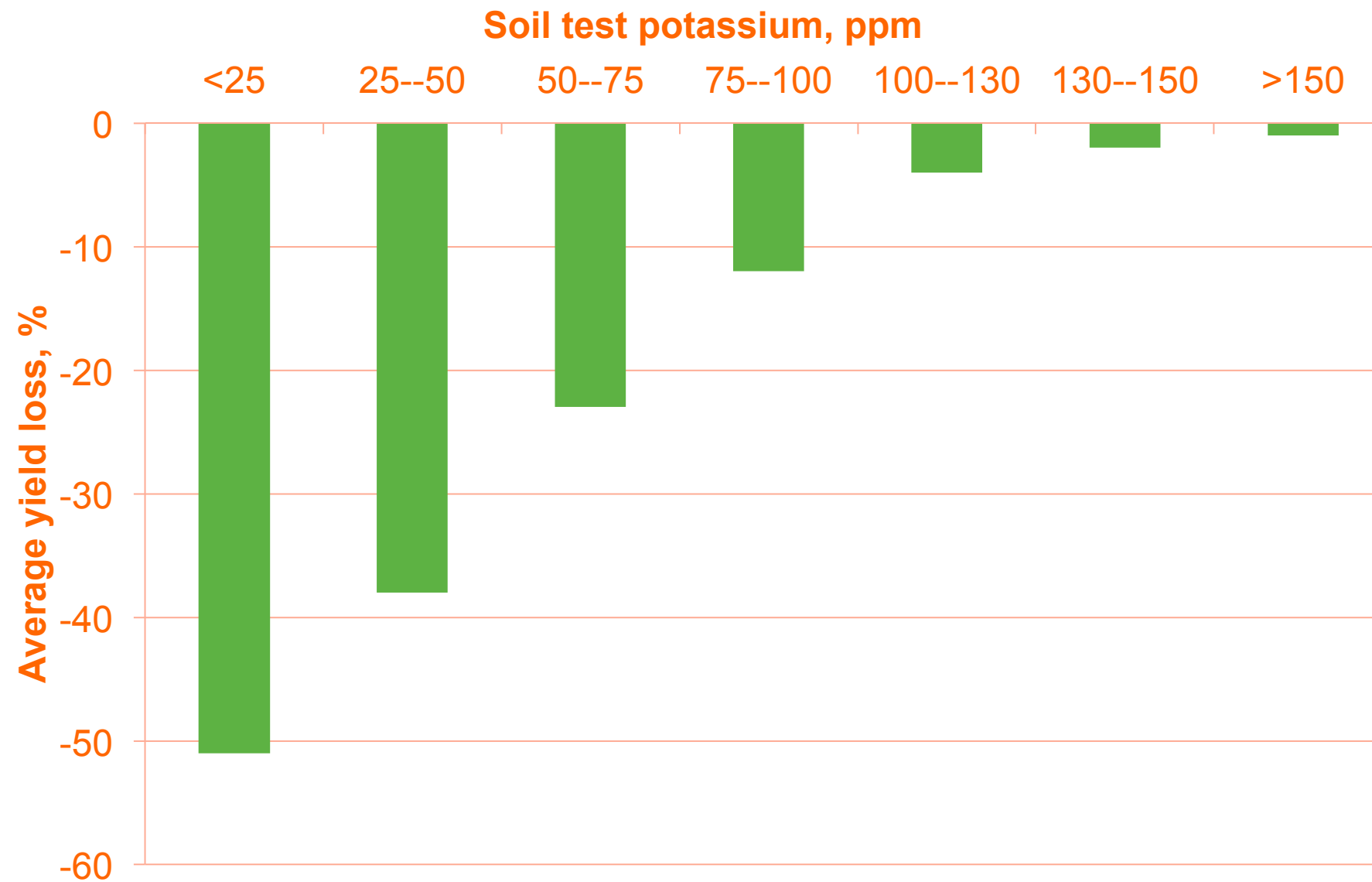
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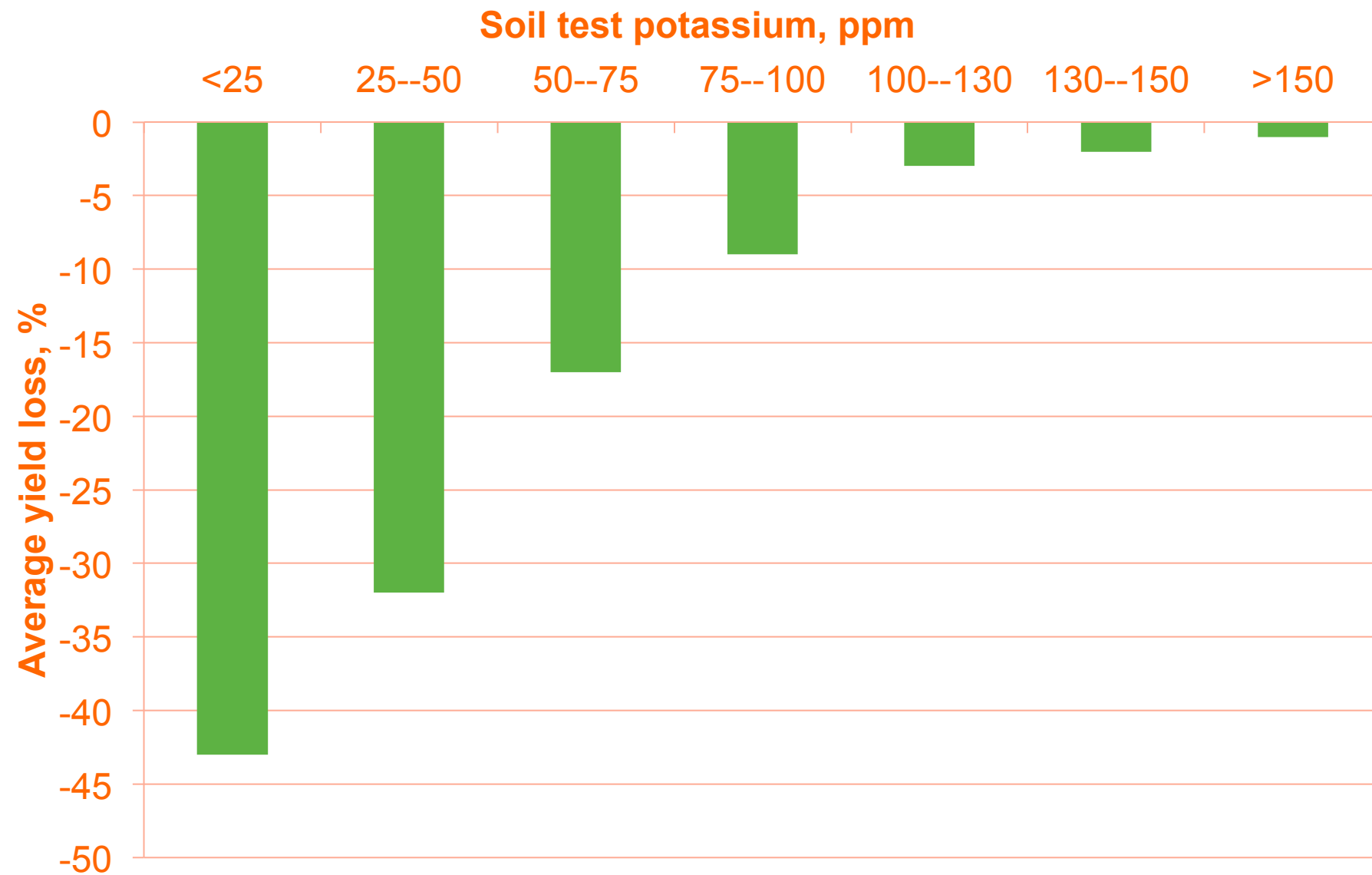
Declining Soil Test Levels

Potassium hybrid model for corn



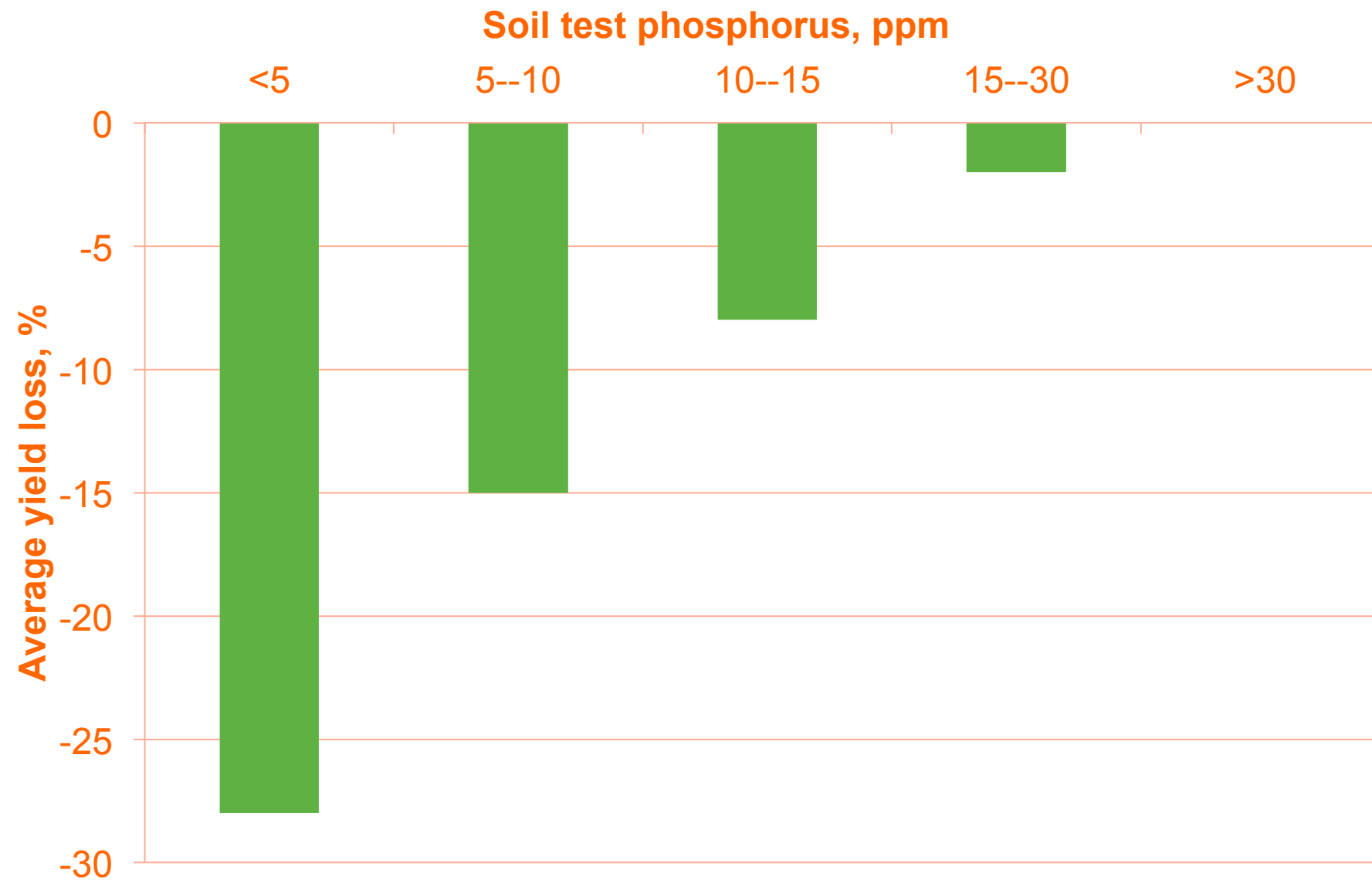
Declining Soil Test Levels

Potassium hybrid model for soybean



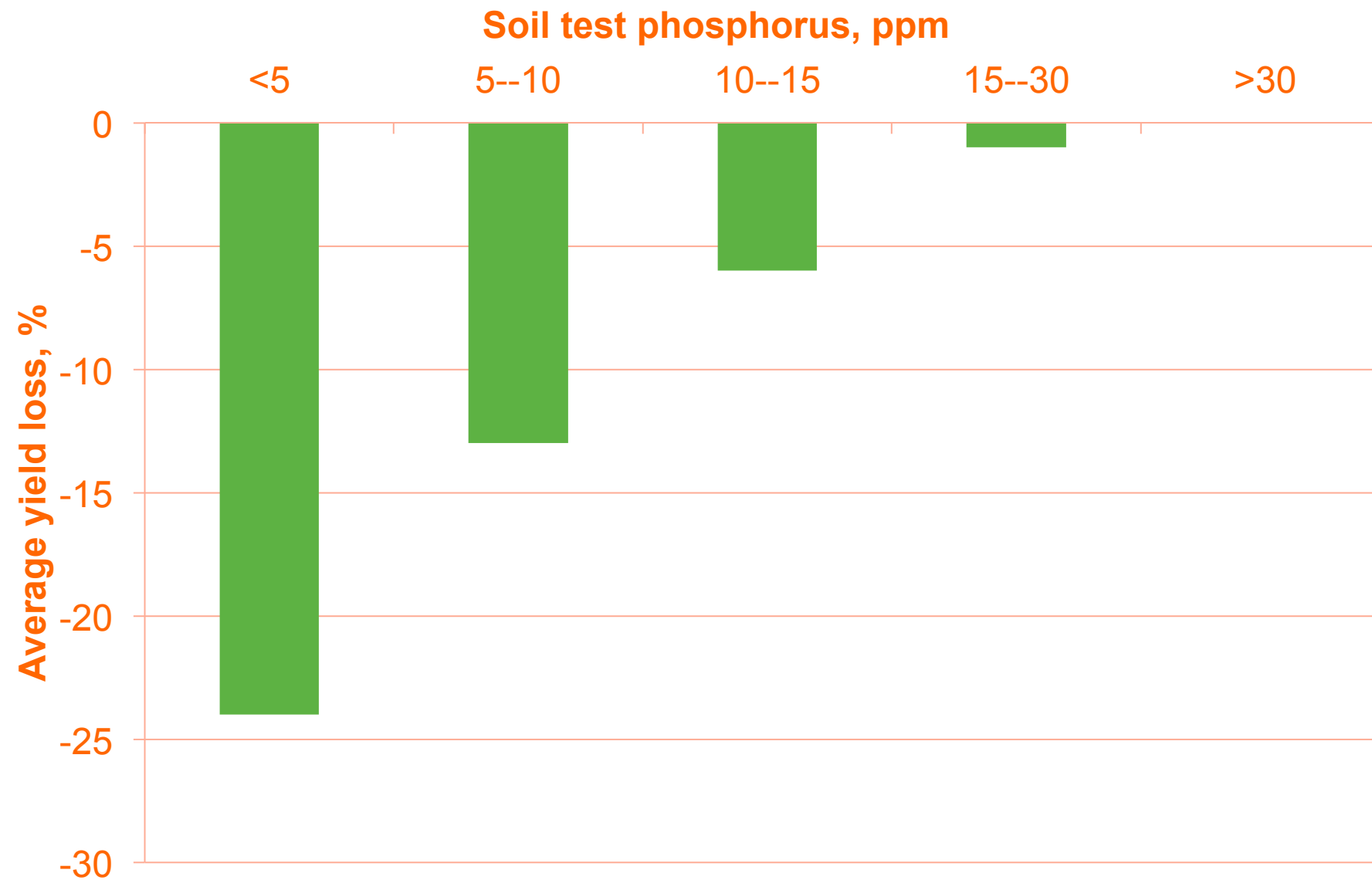
Declining Soil Test Levels

Phosphorus hybrid model for corn



Declining Soil Test Levels

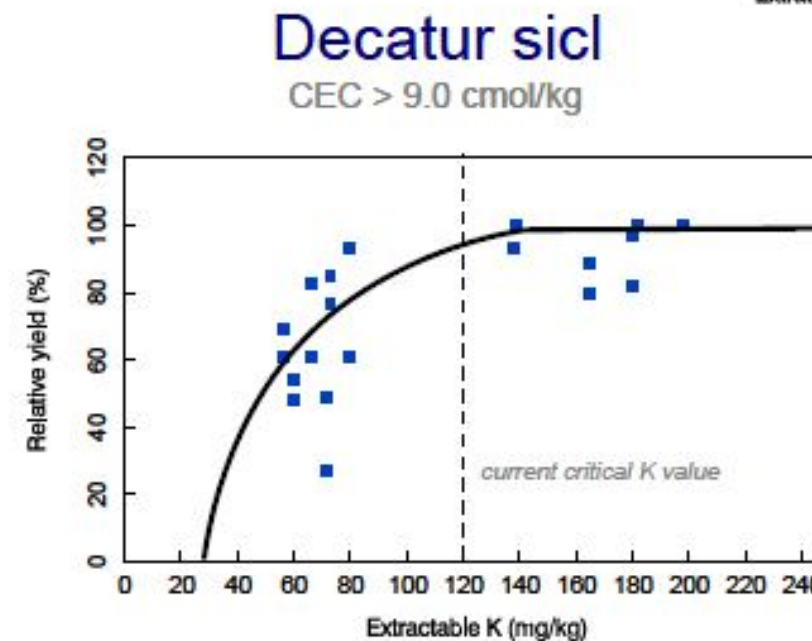
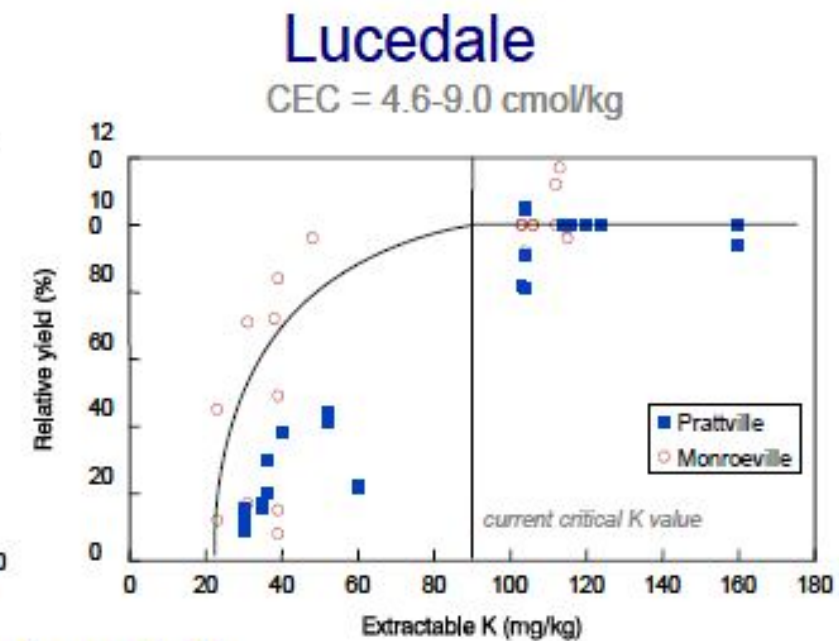
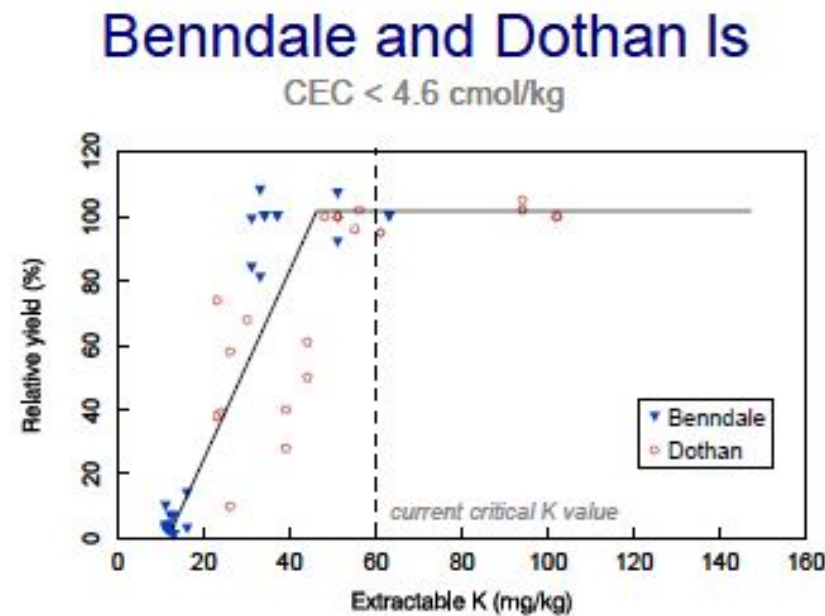
Phosphorus hybrid model for soybean



Declining Soil Test Levels

What happens to yield as soil test levels fall?

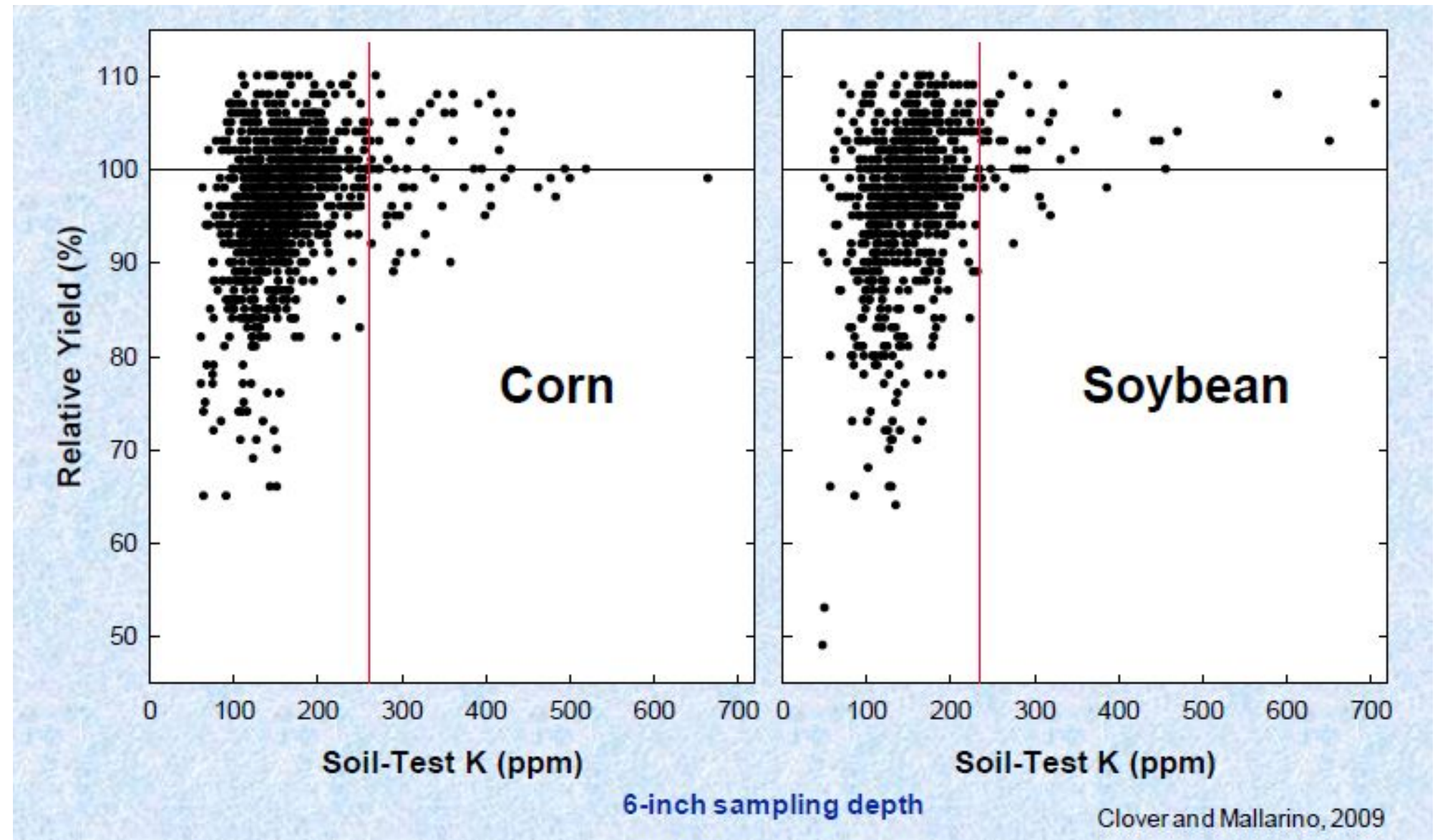
- Potassium on Cotton



Declining Soil Test Levels

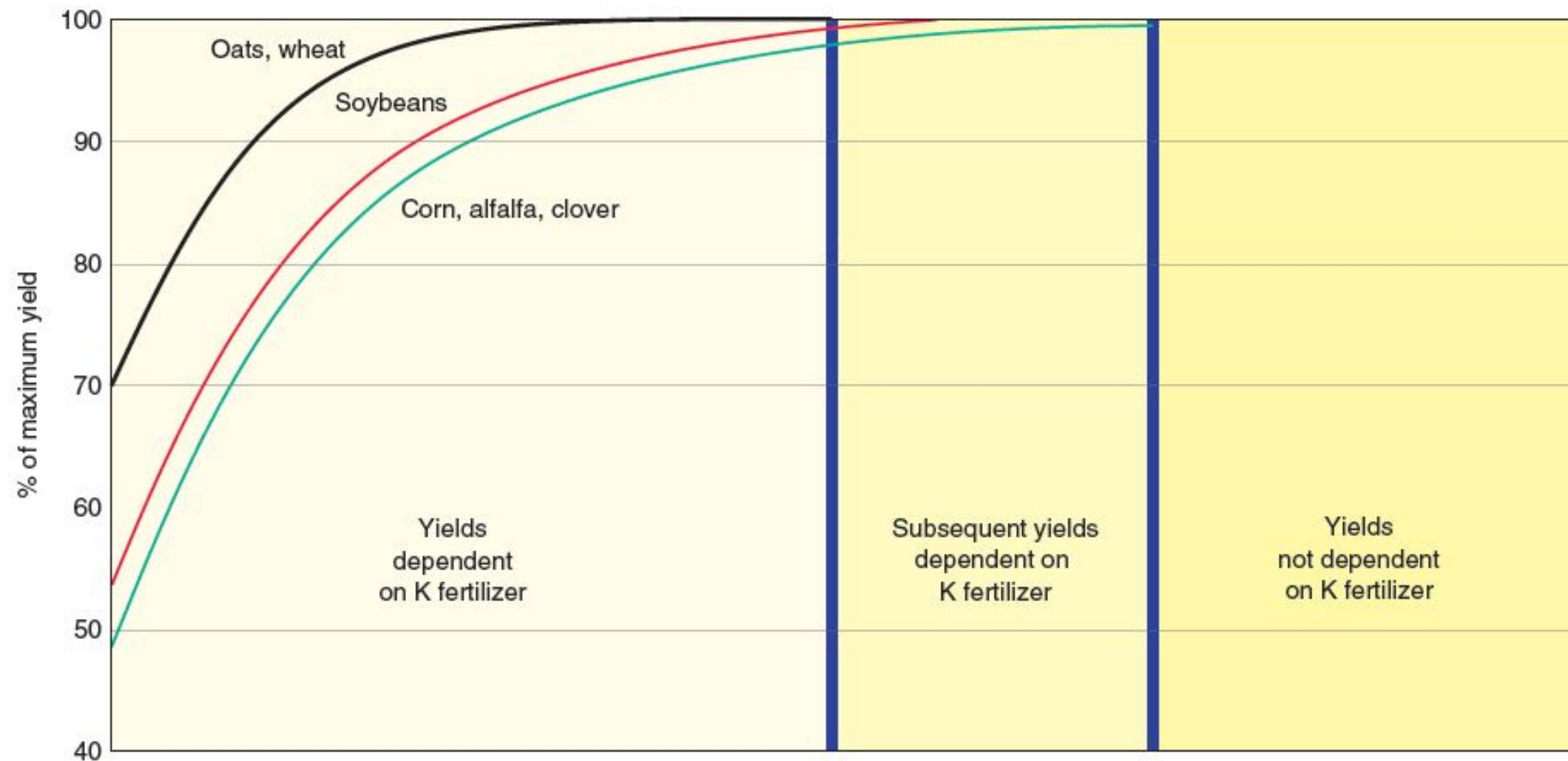
What happens to yield as soil test levels fall?

- Potassium



Declining Soil Test Levels

What happens to yield as soil test levels fall?



K test (lb/A) for different cation exchange capacity regions

Low	40	100	200	260	360	500
High	60	120	240	300	400	540

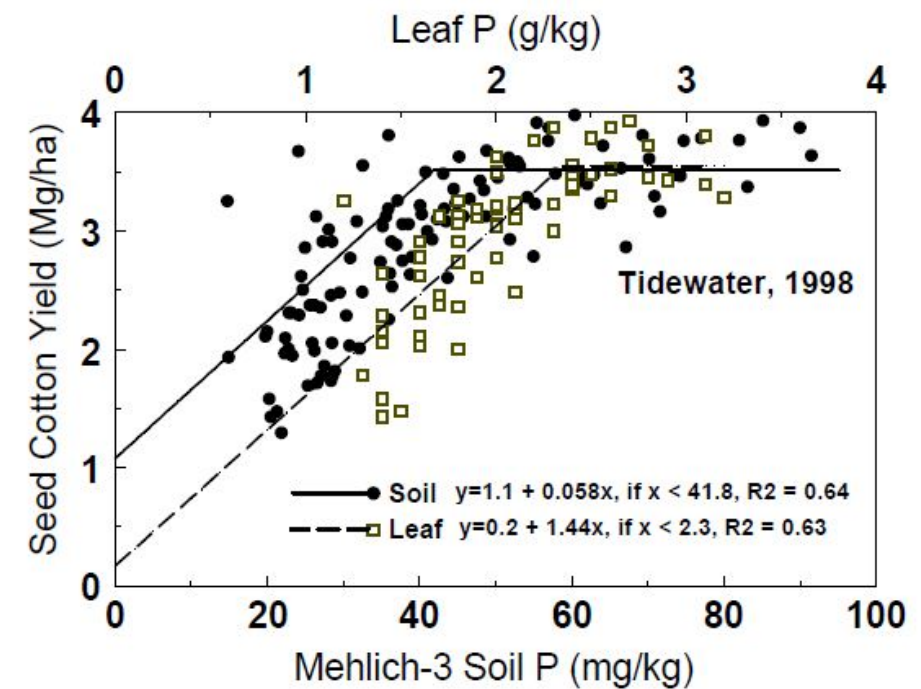
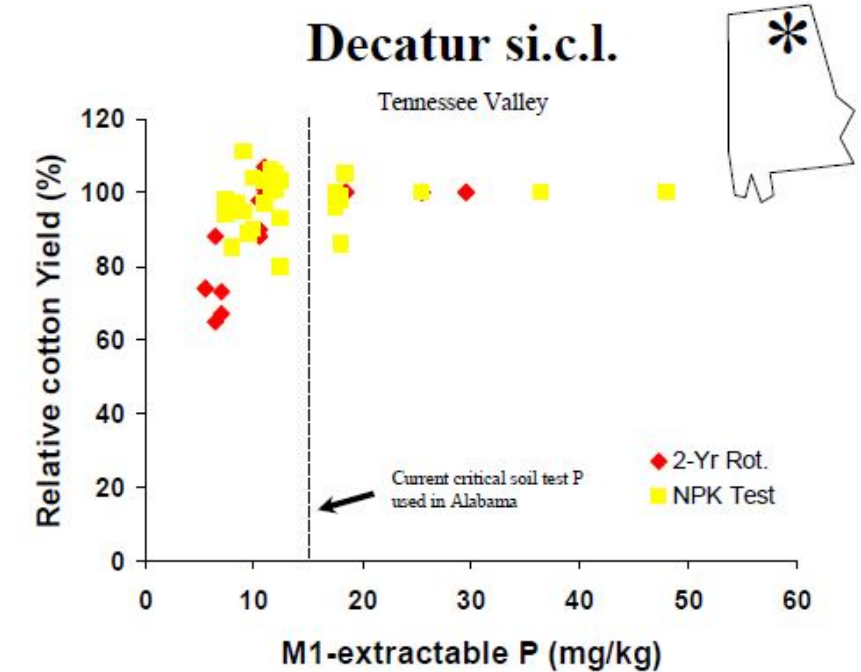
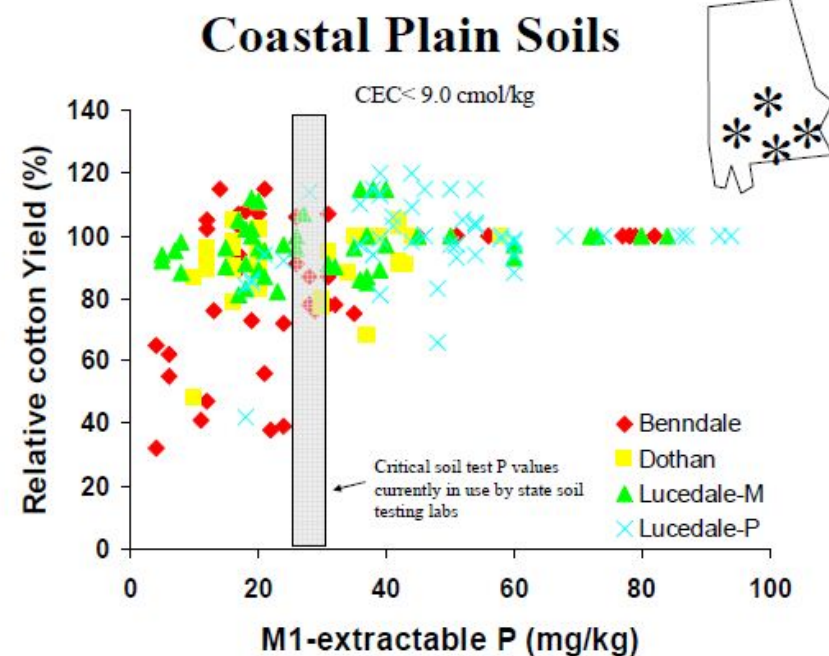
K test (lb/A)



Declining Soil Test Levels

What happens to yield as soil test levels fall?

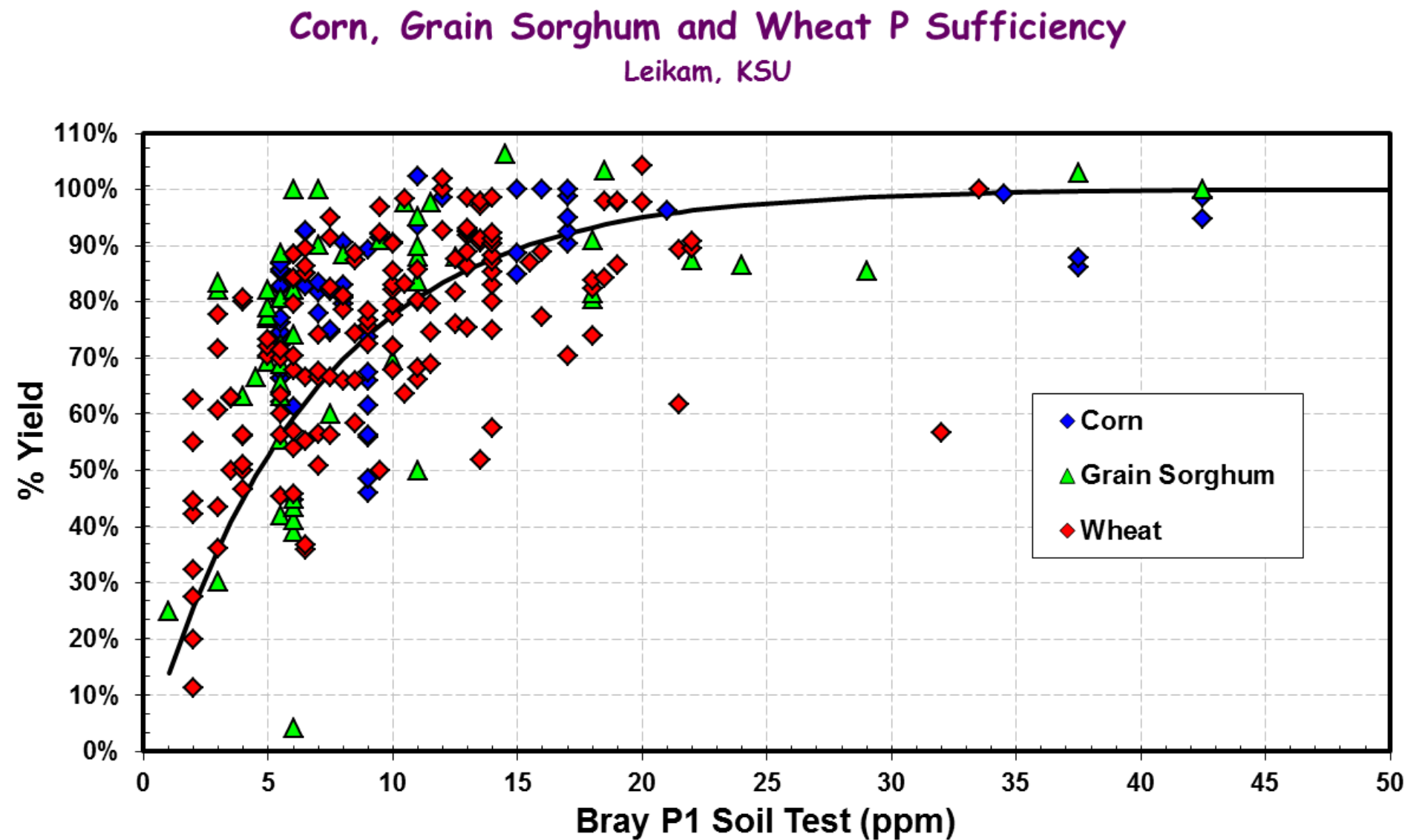
- Phosphorus on Cotton



Declining Soil Test Levels

What happens to yield as soil test levels fall?

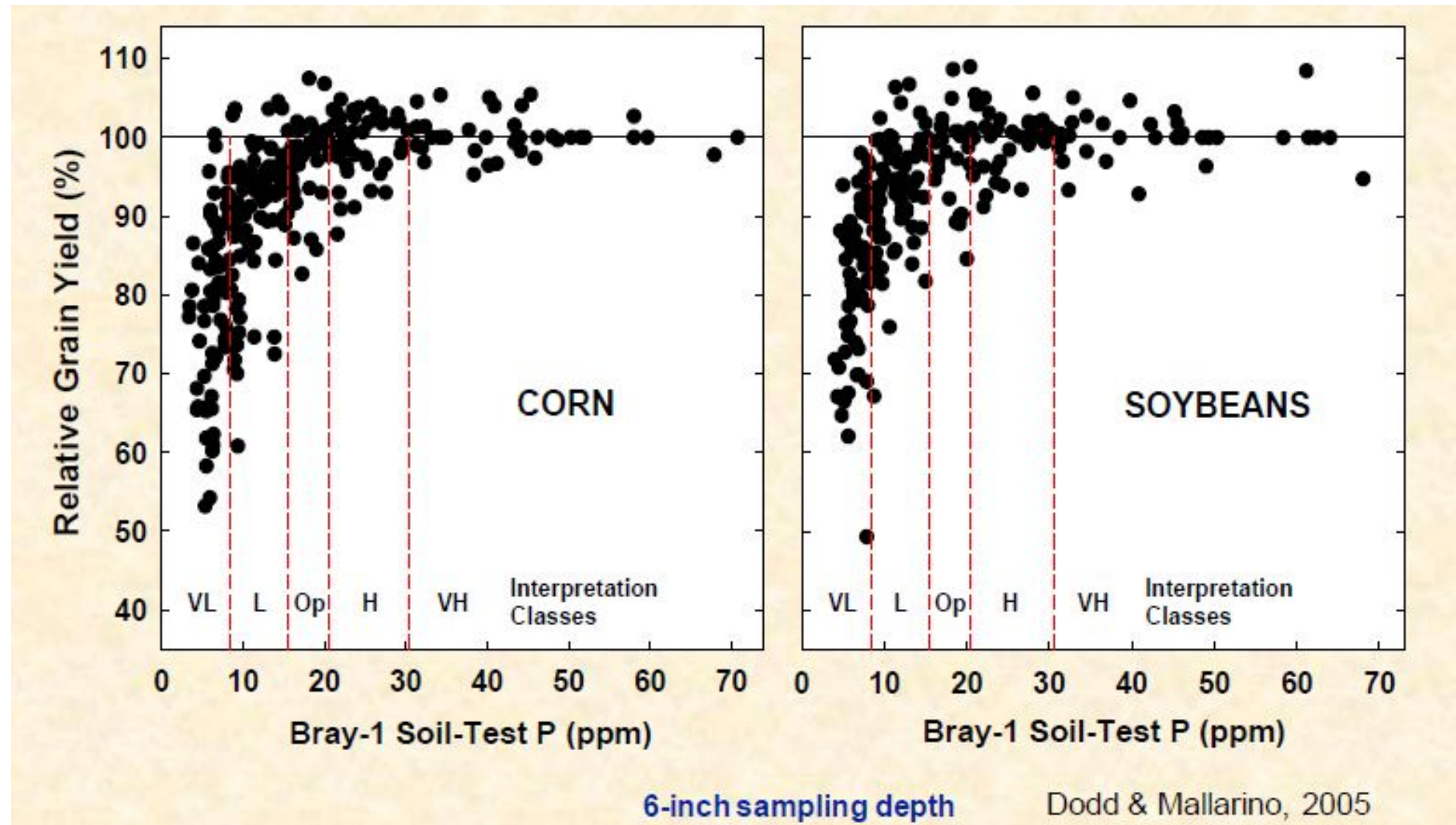
- Phosphorus



Declining Soil Test Levels

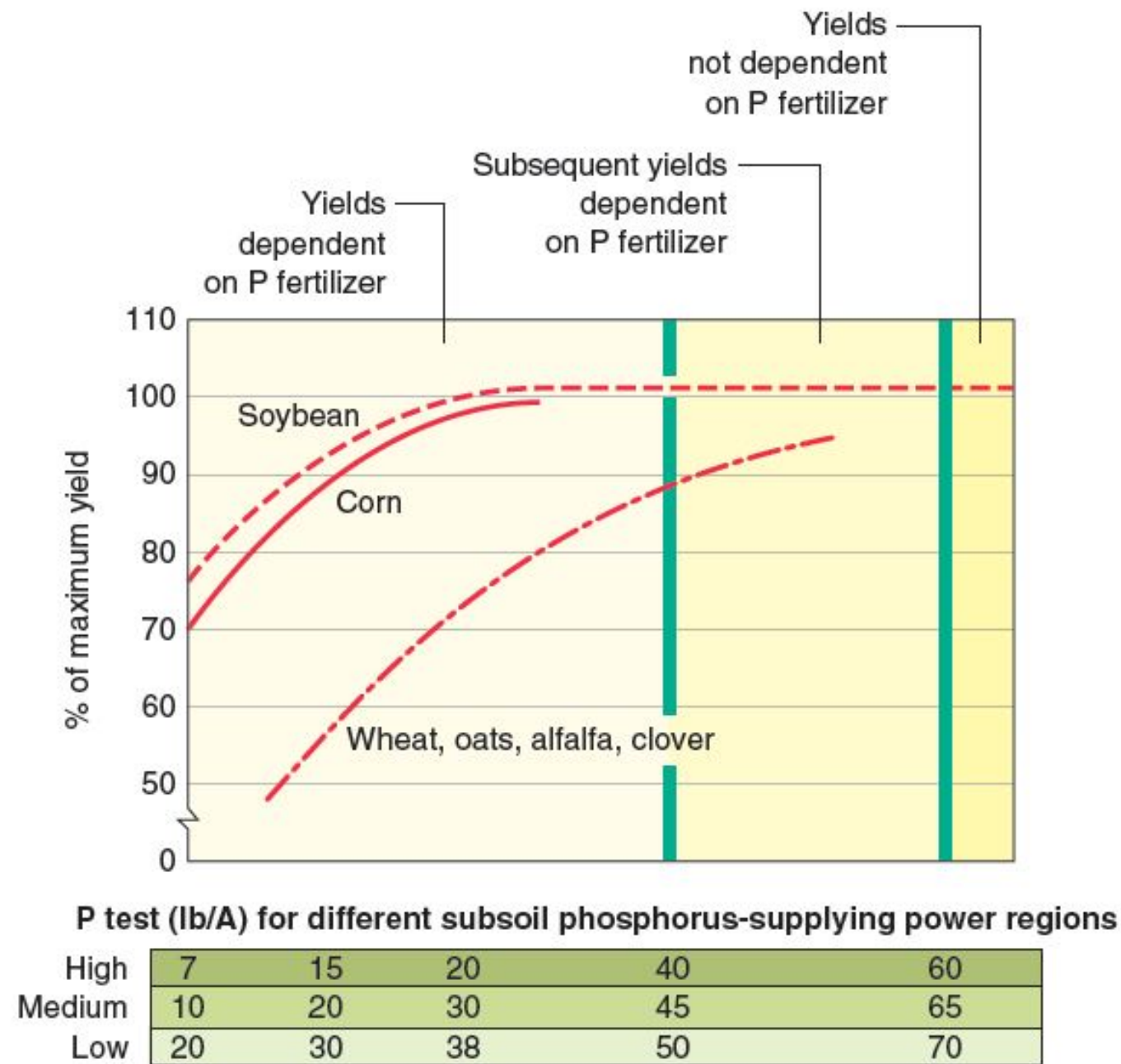
What happens to yield as soil test levels fall?

- Phosphorus



Declining Soil Test Levels

What happens to yield as soil test levels fall?



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