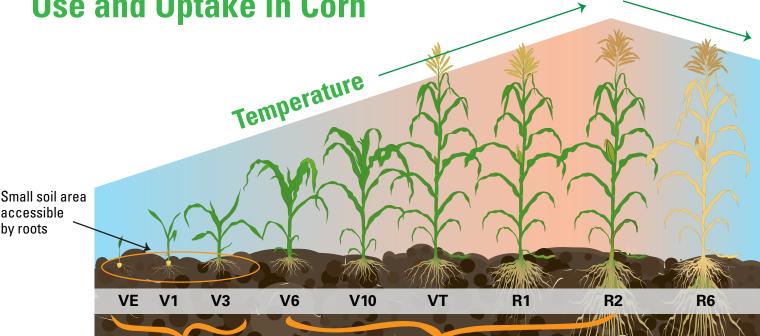
accessible by roots

PHOSPHORUS Use and Uptake in Corn

▲ Ag Spectrum



Phosphorus needed for kernel set

Soil temps too low for needed phosphorus uptake

Small area of soil to access phosphorus

Cooler soil limits microbial activity to facilitate phosphorus uptake

P uptake by V3 is inadequate to optimize kernel numbers, requires precise supplementation

Requires phosphorus for metabolic activity

Temperatures rise, increasing microbial activity

Root size increases and can exploit the soil profile for phosphorus

Plant's requirements of phosphorus are lower in tissue concentration

Normal soil values (even when low) are adequate to supply the crop with all it needs to develop normally.

SOLUTION P Source for plant uptake

LABILE Solid Easily released to soil solution

FIXED P Insoluble and resisitant to

mineralization

