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Soy Envoys/ISA Agronomy Team/Others

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Date
June 20, 2024

County
Champaign/Macon

Region/State
Region 3

Field Photo Upload 1

Field Photo Upload 2

Field Photo Upload Caption 1
Compaction streaking from tillage passes

Field Photo Upload Caption 2
Floppy corn from lack of root development

Which of the following best describes current conditions in this county?
Mildly Dry (soil is drier than normal, plant growth may have slowed)

Quick synopsis of conditions that will appear in the main feed
Corn fields are showing signs of stress and leaf rolling during this high heat environment. Compacted soils during planting can further exacerbate the stress due to lack of root development. Flash drought conditions have also shown to impact smaller corn where root development is not as advanced. Dry soils in the top layers have slowed or stopped nodal roots to grow and be productive.

Weather
Hot and dry. Most of central Illinois has seen hot temperatures for mulitple days.

Precipitation
Rainfall was spotty earlier this week with some pop up showers. Rainfall is and will continue to be needed to keep crops thriving.

Field/Soil Conditions
Soils are dry on top , but appear to still have OK moisture below the surface.

Field/Soil Activities

Spraying and wheat harvest are the main activities currently happening.

Soybean Growth Stage
V1-R1

Corn Growth Stage
V2-V9

Wheat Growth Stage
Harvest is happening around the area.

Insects
No damage was noted related to insects. Japanese beetles continue to increase in numbers.

Weeds
Weeds are still a problem. High winds in previous weeks delayed applications. Now herbicide applications are happening but may be not as effective in the high heat environment. Plants will slow growth and thus minimize taking in herbicide chemistry during high heat situations.

Diseases
None observed

Abiotic Issues
Ponding from previous rains will continue to make for uneven fields.

Other
The norther IL areas seemed to be much more uniform in field. Still variations across the region, but within the field they seemed much more uniform and in good shape. Much less ponding and compaction concerns from what I observed.