

Equipment Technology Enabling Agricultural Resilience

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Indicators Contributing to Soil Resilience

Organic Matter Content

Aggregate Stability

Water Infiltration

Water Holding Capacity

Nutrient Cycling

Soil Biology









Managing and Protecting the Surface...

Anchoring residue and leaves a cover that protects the soil from water impact and temperature extremes...





Eliminates weeds, incorporates nutrients and leaves the soil profile in excellent shape for the next operation...



Leaving 70% of Field Undisturbed...

Moves residue off the row

Soil protecting mulch in row middle

Alleviates in-row compaction





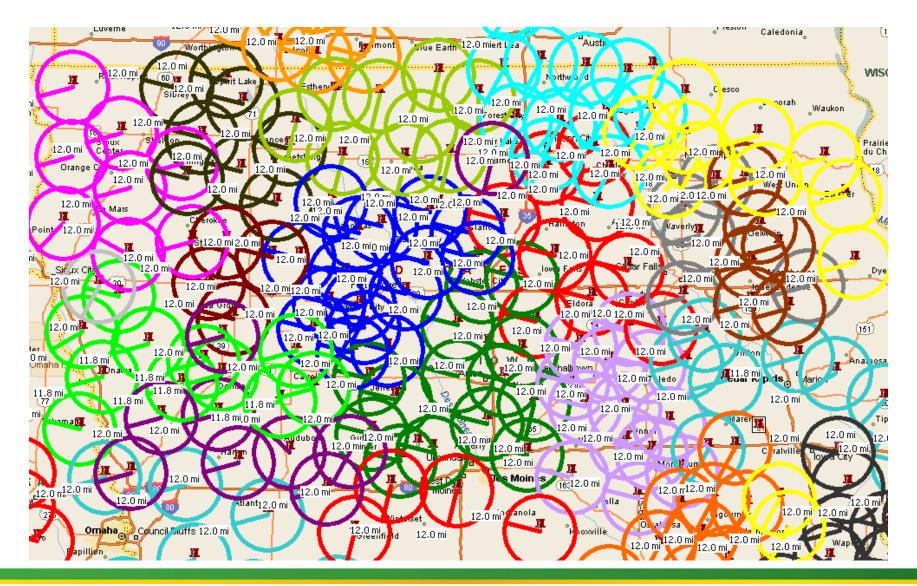
Injects nutrients into the root zone

Mixes soil and nutrients

Leaves a very favorable seedbed

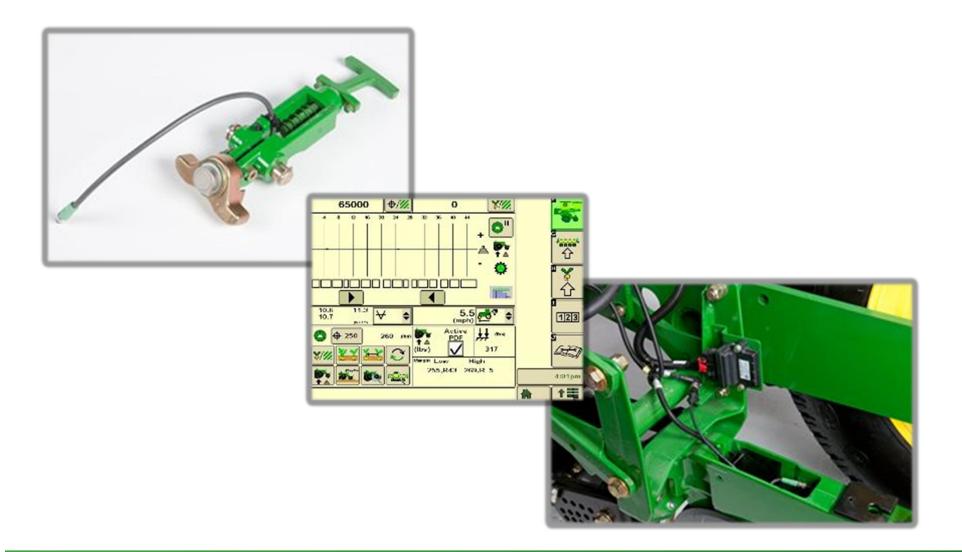


RTK Coverage





Sensing and Responding to Varying Field Cond's





4R Consistent Nutrient Application...









Establishing and Terminating Cover Crops...



Deere offerings limited to Conventional Equipment



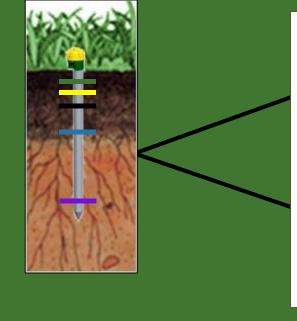


Evaluation of Resilient Systems with Data...



Monitoring Water Flow in the Soil....

• Lets the producer have a "window into the soil" to view changes in the soil profile





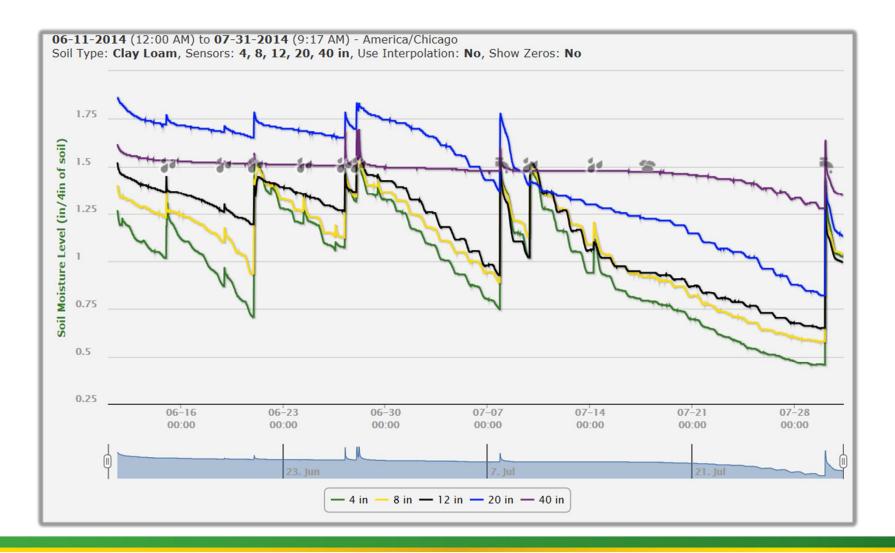


Iowa - Sum Graph



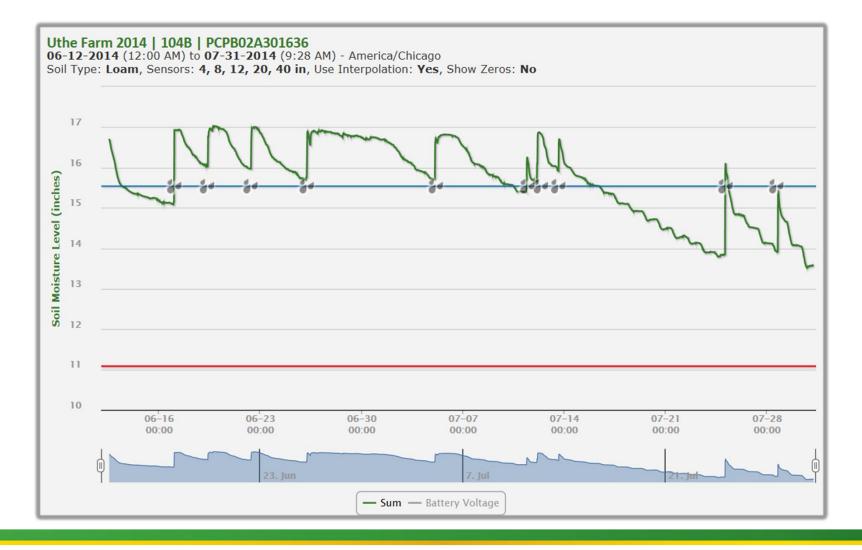


Iowa – Line Graph





Nebraska – Sum Graph





Nebraska – Line Graph

