When replant decisions and yield potential are on the line, accuracy and early visibility matter. Stand Count Analytics available through Sentera's Field Agent delivers a detailed, acre-by-acre view of what's happening in the field. Collecting stand count data at a speed of 700 acres per hour with 97 percent accuracy, you can get the information you need to make decisions about replanting when stand counts are less than ideal, or making in-season adjustments to address yield-robbing issues like non-uniform emergence and plant spacing.

Agronomists and growers have long relied on manual methods to inform replant decisions by gauging stand count, and also to identify emergence and spacing issues. But data gathered manually is time consuming, prone to errors and does not present the full story as stand count may vary from acre to acre.

FieldAgent from Sentera helps you overcome the limitations of manual scouting. Drones collect data and images efficiently for a comprehensive view of your fields, mapping every acre. Live-view maps offer a real-time look at what's happening, with more in-depth views available within FieldAgent, allowing you to see RGB imagery depicted by the stand count.

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More Informed Decisions

Making the decision to replant is one of the most difficult you can face, with costly consequences that can impact an entire season of profits. A financial analysis reveals that a full return on investment for the Sentera solution (Drone + Sensor + Field Agent + Stand Count Analytic) can be achieved by identifying as few as 60 incremental acres of weak stand (resulting in an average return of up to $100 per acre).

Even when stand count numbers are satisfactory, non-uniform corn emergence can yield potential by as much as 10 percent. Similarly, non-uniform plant spacing - even when at the desired stand count - can reduce yield potential by as much as 5 percent.

Combined with ground truthing, the FieldAgent RGB imagery informs a full understanding of potential yield loss due to uniformity of emergence or spacing issues. Documenting spacing and emergence data provides an early indication of yield potential to better assess seed hybrid quality and performance throughout the season. It can help growers make prescriptive and precise decisions related to inputs, and could be used down the road in resolving claim disputes.

KEY FEATURES:

Easy to Use with Instant Insights

Simply program FieldAgent mobile to autonomously scout your field. The system captures 1-2 images per acre, runs the analytics in real-time and instantly reports the data back to your mobile device, right at the field edge. Calculations happen within seconds and results are delivered instantly.

Highly Accurate

Using the full solution, which includes a drone, sensor, FieldAgent and the stand count analytic, users can easily gather whole-field, acre-by-acre data with 97 percent accuracy, saving time and resources.

Comprehensive Coverage

Covering 700 acres each hour, get the full picture of what's happening in every acre of your field, with real-time and more in depth mapping delivering the insights you need.

Contact Us!