



## CONTROL SYSTEM CROP INPUT

# Field-IQ

The control system crop input Field-IQ™ is a system for controlling sections and variable rate application that avoids overlapping seeds and fertilizers, controls the application rate of products and monitors the dose of seeds and blocking fertilizer, and controls the height of the arms application. The Field-IQ system can be used with the screen TMX-2050™, the integrated display FmX®, and CFX-750™. Each of these screens is compatible with a different combination of benefits Field-IQ, giving you the opportunity to choose the interface option that best suits your needs.

### FIELD-IQ Applicator

Overlapping increases input costs of fertilizer and agrochemicals and dangerous to the environment. The Field-IQ system applies the correct amounts of fertilizers and agrochemicals to your lot avoiding over-application.

Asi fertilizers and chemicals are not applied at the correct distance above the crop, risk damaging the crops and the environment. The Field-IQ system automatically adjusts the height of the arm application sensors measuring the distance between the ground or crop.

### FIELD-IQ planters and planters

Overlapping inputs will increase costs and create a nutrient deficiency in soil due to overcrowding seed. The Field-IQ system controls clutches of the planter and a variety of lighting systems and air seeder automatically turning sections according to restricted areas and already planted areas.

Monitoring seed population, elimination of high and multiple overlays, and maintaining proper spacing between seeds are critical to generate the maximum yield per hectare. The Field-IQ system helps farmers avoid performance degradation by monitoring singulation analysis results in real time and make adjustments instantly.

Plants can have different nutritional needs throughout their growth cycle depending on soil conditions and other environmental factors. The Field-IQ system monitors and simultaneously varies dose products to plant seeds and applying agrochemicals and fertilizers precisely.

## Benefits

### applicators

- It reduces the cost of inputs
- Eliminates over-application
- It provides a uniform product application
- Reduces operator fatigue

### Planters and seeders

- Eliminates overplanting
- Increases performance
- Ensures correct spacing between seeds
- Prevents putrefaction of plants and competition for nutrients
- Creates consistent performance in all fields
- Reduces environmental impact





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### AUTOMATIC CONTROL OF SECTIONS

- ▶ Control seed application, and anhydrous liquid ammonia with an accuracy of 2.5 cm to 48 individual sections
- ▶ Detection overlay lets you know where you've been and what you've done
- ▶ Eliminate overlapping seeds in headers and perpendicular grooves with Tru Count air clutches Meter Mount™
- ▶ Remove the overlay fertilizer valves Tru Count LiquiBlock™ that is easily connected to the tires lines clutches



### MONITORING OF SEEDS

- ▶ Seeds advanced monitoring improves seed placement to display information singulation of the planting system operator, allowing you to adjust the planter while working
- ▶ Avoid costly problems before planting to discover that reduce performance
- ▶ See analysis results including information singulation population, singulation, jumps and multiple overlays, spacing and spacing quality



### CONTROL OF VARIABLE RATE APPLICATION

- ▶ Simultaneously control the application rate of different materials (up to six with FmX integrated display, and to two screen CFX-750), including fine grains, granular, liquid and anhydrous ammonia in different combinations
- ▶ Control variable rate product can be achieved with VRA prescription map; or real-time with GreenSeeker system to effectively manage the fertilizer needs of your lot
- ▶ Automate mapping and log reports while applying inputs
- ▶ Adjust the population of seeds, fertilizer rates or spraying manually or using a prescription created Farm Works Software solutions®
- ▶ automatically control the speed of the flyweights of application systems spreader to distribute nutrients evenly when using the screen TMX-2050 + FmX Plus.



### ARM HEIGHT CONTROL APPLICATION

- ▶ automatically adjust arm height application with ultrasonic sensors that measure the distance between the ground or crops, resulting in a uniform product application
- ▶ Reduce the environmental impact of agricultural activities and ensure the health of neighboring crops by eliminating unintended product applications
- ▶ The automatic height sensor reduces operator fatigue by eliminating the need to open and close the arm sections hand application

