

# PLANTER SET-UP SHEET

---

## Functional Areas & Parts to Check:

### 1 Seed Transmission System

Spinner Motor: [www.ag-productsinc.com](http://www.ag-productsinc.com)

- A. Clutch assembly
- B. Bearings/ sprockets/ idlers
- C. Chains
- D. Run drive system with spinner motor or electric drives

### 2 Wheels & Tires

- A. Lugnuts/ bearings
- B. Tire air pressure

### 3 Fertilizer Transmission

- A. Openers & bearings/ blades/ shoes
- B. Fertilizer hoses
- C. Piston or squeeze pump

### 4 Down Pressure Assembly

- A. Spring, Air, Hydraulic

### 5 Parallel Arm Linkage

- A. Measurements between arms
- B. Bolts & bushings (Rocking Test)
- C. Shape of hole on parallel arms (circle or egg shape)

### 6 Row Unit Sprockets

- A. Meter Disconnect Lever (lines up correctly)
- B. Moving freely

### 7 Drive Chains/Cables

- A. Lubricated & in good condition
- B. Drive rollers/ idlers/ idler springs
- C. Check for grooves in rollers
- D. If cable drive, check cable

### 8 Row Cleaners

- A. Floating or cab adjust
- B. Bearings
- C. Free movement up and down

### 9 No-Till Coulters

- A. Bearings
- B. Cutting edge
- C. Centered on hub
- D. Check depth  
(must be **1/4"** higher than opening discs)

### 10 Gauge Wheel Assembly

- A. Gauge wheel arm condition
- B. Walking gauge wheel attachments
- C. Rubber tire
  - 1 good condition
  - 2 runs true and has **contact with disc blades**
- D. Bearings

## **Functional Areas & Parts to Check:**

### **11 Tru-Vee Openers/ Disc Blades**

- A. Measure blade point of contact
  - 1 Most should be 2 - 2 1/2"  
Kinze 3600 series & Great Plains 1 - 1 1/4"  
Case-IH only slight contact
- B. Diameter of blades
  - Minimum of 14 1/2", except Case-IH minimum of 13 1/2"  
Case-IH 2100 Series minimum 14 1/2"
- C. Bearings
- D. Scrapers

### **12 Seed Tube & Tube Guard**

- A. Seed tube - worn edges or broken
- B. Seed tube guard
  - 1 loose or broken rivets
  - 2 width worn, too narrow  
Minimum of 3/4" width, 1" new

### **13 Keeton Seed Firmers**

- A. Installed correctly
- B. Adjust tension
- C. Wear

### **14 Closing Wheel Assembly**

- A. Tires & wheel bearings
- B. Centered over seed trench (scratch line test in shop)
- C. Staggered wheel set up
- D. Pivot assembly holes
- E. Drag chain (not on Case-IH)
- F. Case-IH Closing Disc Minimum 7.5", 2100 series minimum 8.5"

### **15 Insecticide Assembly**

- A. Box & feed roll condition
- B. Hose attachment clean
- C. Insecticide bander

### **16 Seed Meters**

- A. Clean meters
- B. Have meters calibrated by local calibration specialist

## **In Field Adjustments to Check:**

### **1 Planter Running Level**

- A. Frame level, main tool bar
- B. Adjust hitch height
- C. 20" from bottom of frame to planting surface (Case 2100 series 26")

### **2 Planter Speed!!!!!!!!**

- A. Row units running smooth with no bounce or vibration
- B. 4.5 to 5.0 MPH

### **3 Row Cleaners Set at Correct Depth**

### **4 Down Pressure at Proper Setting**

### **5 Closing wheels**

- A. Correct wheels selected for the environment
- B. Be sure you are closing properly

### **6 Chains & Drive System**

- A. Oil/Lube, Running smooth

### **7 Use Graphite (on finger pickup) or Talc (on vac. planters)**