

# PLANTER CHECKLIST

Serial Number:

Model:

Inspection Date:

Inspected By:



√ Precision Planting®

## **Hitch Styles**

### **Hitch 2 Point System:**

- 2 point assembly
- Pivot pins
- Support stands
- HYD hose clamp assembly
- HYD hoses for wear/leaking
- HYD hose protective covering for wear/secure
- Electrical harnesses for chaffing
- Electrical connectors clean/secure, not damaged
- Draft arm pivot assemblies for wear, bolts tight
- Draft arm tubes for damage
- Grease/lubricate per operators manual

### **Hitch Hydraulic Tongue Style:**

#### **(1260/1265)**

- Clevis hitch for wear
- Clevis hitch bolts not broken and tight
- Upper & lower support arms pivot pins
- Upper arm hydraulic cylinder attachment pins for wear
- HYD cylinder for leaks
- HYD support holder secure
- HYD hoses for wear/leaking
- HYD hoses protective covering for wear/secure
- Support stands & pins
- Electrical harnesses for chaffing
- Electrical connectors clean/secure, not damaged
- PTO shaft not bent and plastic guard not damaged and secure
- PTO U-joints not worn and sloppy
- PTO HYD pump not leaking
- PTO HYD pump hoses not damaged or leaking
- PTO HYD revisor not leaking and popper oil level
- PTO HYD cooling fan assembly not damaged, perform operational check
- PTO HYD filter not leaking and change per operators manual
- Draft arms pivot assemblies for wear, bolts tight, tubes for damage
- Welds/structural members for cracks
- Grease/lubricate per operators manual

**Hitch Single Tongue Style:**

- Clevis for excessive wear
- Clevis bolts not broken and tight
- Jack for damage & attachment pin not bent, operational check
- Hitch frame for damage
- Hitch bolts for wear & tight
- HYD hoses for wear, not leaking, routed correctly
- HYD hose protective covering for wear/secure
- Electrical harnesses for damage, routed correctly
- Electrical connectors clean/secure, not damaged
- Safety Chain not damaged, correctly routed, and attachment bolt tight
- Welds/structural members for cracks
- Grease/lubricate per operators manual

**Stack Folding Style:**

- 3 point pins for damage
- Support stands & attachment pins for damage
- HYD hose holder assembly secure, not broken
- HYD hoses for wear, not leaking
- HYD hose protective cover secure, no damage
- Electrical: Harnesses for chaffing, connectors clean, secure, no damage
- Folding cylinders, not leaking, not damaged
- Folding cylinder pivot pins for wear
- Folding pivot pins for wear
- Grease/lubricate per operators manual

**Hitch Pivot Turn Style:  
(1200PT, 1240, 1245)**

- Clevis hitch for excessive wear
- Clevis bolts not broken and tight
- Support jack for damage & attachment pin not bent, operational check
- Safety Chain not damaged, correctly routed, and attachment bolt tight
- Hitch assembly to main tongue bolts not broken and tight
- HYD hose holder assembly not broken and secure
- HYD hose for wear/leaking
- HYD hose protective cover secure, damage
- Electrical: Harnesses for chaffing, connectors clean/secure, no damage
- PTO HYD pump not leaking
- PTO HYD pump hoses not damaged or leaking
- PTO HYD revisor not leaking and proper oil level
- PTO HYD cooling fan assembly not damaged, perform operational check
- PTO HYD filter not leaking, and change per operators manual
- Forward inner sliding hitch frame for excessive wear, not cracking/damaged
- Outer fixed hitch frame wear pads for excessive wear and secure
- Sliding hitch latch assembly for wear/damage, spring not broken, cylinder not leaking
- Hitch folding hyd hose/electrical guideway, not bent or damaged
- Hitch folding hyd hose/electrical guideway, hyd hoses not damaged and secure
- Hitch folding hyd hose/electrical guideway, electrical harnesses not damaged and secure

**Pivot turn Platform Assembly:**

- Center pivot pin, for excessive wear
- Center platform pivot roller and bearing, not damaged, secure, check adjustment
- Center pivot unfold latch assembly for excessive wear and secure
- Center pivot unfold latch cylinder and hyd hoses for damage, not leaking and secure
- Center pivoting cylinder and hoses, not leaking or damaged and secure
- Center platform tires, for wear, not damaged, properly inflated
- Center platform wheel bearings tight and greased, lug nuts torqued
- Center platform wheel speed indicator harnesses not damaged, properly routed, secure
- Grease/lubricate per operators manual

**Frame Lift Assembly Pivot Turn Style:**

- Inspect welds/structural members for cracks
- Frame lift cylinders, not leaking, not damaged
- Frame lift cylinders, hyd hoses not leaking, not damaged, secure
- Frame lift assembly pivot pins and bushings for wear
- Grease/lubricate per operators manual

## **Main Frame & Transport Systems**

### **Center Section:**

- Welds/structural members for cracks
- Hardware/bolts tight
- Hydraulic cylinders for leaks and damage
- HYD cylinders attachment pins for wear/damage
- HYD hoses not damaged, routed correctly, secured
- Electrical harness not damaged, routed correctly, secured
- Folding hinge points not damaged, no worn pins/bushings
- Bulk fill tanks not damaged, secure
- Bulk fill tanks lids and seals not torn, cracked or damaged
- Seed delivery manifold not damaged, cleaned out
- Seed manifold agitation motor operational
- Seed delivery hoses/tubes not damaged, correctly routed, secured
- Seed delivery blower not damaged, clean, large hose not damaged & secured
- Seed delivery blower HYD motor not leaking, hoses not damaged/leaking, secured
- Vacuum blower not damaged, blades clean, bolts tight
- Vacuum blower motor not leaking
- Vacuum mounting brackets not damaged, secured
- Vacuum blower HYD hoses not damaged, secured
- Vacuum main line, plastic tube or metal frame not damaged, leaking, secured, clean inside
- Vacuum row hoses not damaged, routed correctly, secured
- Transport tires correct pressure

### **Frame Lift Assembly:**

- Inspect welds/structural members for cracks
- Pivot pins and bushings for wear
- Wheel bearings tight and greased
- Tires for damage, correct pressure, lug nuts torqued
- Lift cylinder not leaking, damaged, HYD hoses not leaking, secure, pivot pins for wear
- Grease/lubricate per operators manual



### **Main Frame Row Unit Mounting:**

- Inspect welds/structural members for cracks
- Flex points pins/bushings for wear/damage
- Vacuum blower not damaged, blades clean, bolts tight
- Vacuum blower motor not leaking, HYD hoses not damaged, secured
- Vacuum blower HYD hoses not damaged, secured
- Vacuum main line, plastic tube/metal frame not damaged, leaking, secured
- Vacuum row hoses not damaged, routed correctly, secured
- Mounting brackets not damaged, secured
- Row markers not damaged, folding points & disc blades for wear, bolts tight
- Marker cylinders not leaking, HYD hoses not leaking/damaged, pivot pin for wear
- Row unit "U" bolts not broken, nuts tight, row width correct
- Grease/lubricate per operators manual

### **Drives:**

- Main drive tire not damaged, correct pressure
- Contact drive tire not damaged, correct pressure
- Contact Drive Chains for wear, not rusty
- Sprockets for wear & alignment
- Idlers for wear, not damaged, correct tension & alignment
- Grease/lubricate per operators manual

### **Transmissions:**

- Shafts not bent or damaged
- Bearings run smoothly
- Chains not rusty
- Sprockets no damaged teeth
- Shear Pins not damaged & extra replacements
- Grease/lubricate per operators manual

### **Main Hex Shaft:**

- Shaft not bent or damaged
- Shaft section locking collars tight
- Bearings run smoothly
- Sprockets not damaged
- Hex shaft flex drives for wear, not damaged
- Row Clutches not damaged and operational
- Hex shaft flex point "U" joint knuckles
- Grease/lubricate per operators manual

## **Electrical & Seed Monitoring**

### **Wiring Harnesses:**

- Inspect for damage to outer sheathing, secure as needed
- Inspect connectors for damage, corrosion on pins, sockets, & clean
- Folding control console for damage
- Perform an operational check of all systems

### **Sensors/Switches:**

- Radar sensor for damage, clean, operation check
- Seed Tube Sensors for damage, clean, operation check
- Shaft Rotation Sensors damage, operation check
- Wheel speed
- Rotary Height Switch not damaged/operational check
- Frame folding switches

### **Transport System:**

- Safety latches; inspect operation, check & adjust
- Wheel bearings for wear and grease
- Mud scrapers for wear and adjust
- Lug nuts/Bolts and Spindle Bolts torqued
- Hazard lights no damage, operation check
- Toolbar Height, 20 in to 22 in from ground
- Lubrication and grease per operator's manual

### **Safety:**

- Warning Lights, operate correctly
- SMV Sign, visible and reflective
- Safety Warning Signs, condition/clean
- Reflectors/Reflective Decals, condition/clean

## **FERTILIZER EQUIPMENT**

### **Tanks:**

- Inspect welds/structural support members for cracks
- Delivery hose for damage, not leaking, secure
- Fill hose for damage, not leaking, secure
- Valves for damage, not leaking, lubricate
- Filter system for damage, not leaking, secure

### **Squeeze Pump:**

- Metering Hoses, not leaking, damage, correct routing, secure
- Bushings and rollers for condition
- Roller plate and springs for condition
- Drive chain rusty, damage, alignment and lubrication

### **Piston Pump:**

- Case/Hose Connections not damaged/leaking
- Oil level, check/replenish to correct level
- Drive chain and tires, not damaged, correct pressure, lubrication

### **Centrifugal Pump:**

- Case/Hose Connections not damaged/leaking
- HYD drive motor not leaking, **Note: Running pump dry will damage seal!!!**
- HYD hoses for damage, not leaking, correct routing, secure
- Electrical connectors for damage, no corrosion, clean



**Parts Needed/Notes:**