



## Strip Freshener CC Quick Start Guide

### Toolbar Start-up Sequence of Adjustments

- Adjust row unit depth
- Engage pneumatic system
- Properly set toolbar height and levelness
- Adjust row unit downforce
- Adjust residue manager performance
- Adjust rolling basket performance

### INITIAL SETTINGS

- Row Unit DF: 30 psi
- Row Cleaners: 0 psi
- Rolling Basket: 50psi UP

### TYPICAL OPERATING SETTINGS

<u>REFRESHING</u>	<u>NEW</u>
<u>STRIPS</u>	<u>STRIPS</u>
Row Unit DF: 20-35psi	30-60psi
Row Cleaners: 0-40psi UP	0-25psi DN
Rolling Basket: 30-40psi DN	30-40psi DN

**NOTE:** Adjustments outside these ranges may be necessary for optimal performance for your conditions

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# MACHINE OPERATION

## Step 1. Adjust Row Unit Depth:

Set depth (approximate) on each row unit. Adjust screw adjust knob (15/16 wrench) to achieve your preferred depth. Adjustments can be made in ¼" increments. Rotating the screw adjust knob clockwise will raise the gauge wheels making the units go deeper. Rotating the screw adjust knob counterclockwise will lower the gauge wheels making the units go shallower. The depth decal on the side of each unit is only a reference & NOT an actual depth in inches as to where the unit is set. For example, 3 does not mean 3 inches deep necessarily. Actual depth is determined by how low the cutting coulter is below the gauge wheels. Other factors can play in to setting the depth such as row cleaner and rolling basket settings.

## Step 2. Engage Pneumatic System:

Engage the toolbar's compressor source. Allow the compressor to engage & complete 1 full cycle before applying pressure to any circuit. Hydraulic compressor should operate at 1,350 RPM. See operator's manual for adjusting hydraulic oil flow if needed. The Tank Pressure should always be above 100psi. **Set all adjustable circuits on cab control monitor to 0psi.**

## Step 3. Properly Set Toolbar Height & Levelness

Fully lower toolbar and measure from bottom of toolbar to ground. **Proper height is 22"-26"**. To adjust toolbar height add or remove cylinder stops on main lift cylinders in center of machine. Use a bubble level placed on main toolbar that row units are mounted onto to insure toolbar is level front to back. Once proper height and levelness are achieved the row unit parallel linkage should be parallel to the ground or slightly downhill from front to back. Check to be sure the toolbar is level side to side by placing bubble level on each section of toolbar frame. Adjust height of toolbar gauge wheels to insure levelness across entire width of toolbar.

## Step 4. Adjust Row Unit Downforce

Apply row unit down force until each unit's ride is consistent, smooth, & correct depth is achieved. Row Unit Downforce should never be above 100psi. Row unit down force may need re-adjusted once the row cleaner and rolling basket are set properly. Push Row Lock down to lock pressure in circuit. To lower DF, pull regulator knob to unlock, rotate knob counterclockwise, pull row lock knob out for 3-5seconds, push row lock knob back in. Repeat as necessary until desired pressure is achieved & then push regulator knob in to lock. To add DF pressure, simply pull regulator knob out, rotate clockwise to desired pressure, & push regulator knob in to lock.

## Step 5. Adjust toolbar wing downforce (if applicable)

If toolbar has adjustable wing downforce it should be adjusted here. Once the toolbar is level and correct row unit downforce is achieved set toolbar wing downforce. Operator observation should be utilized to insure gauge wheels on each wing maintain contact throughout the field and toolbar remains level across entire machine.

## Step 6. Adjust residue manager performance

Fine tune the row cleaners by applying up or down pressure. Push/pull knob will be pushed in to apply down pressure and pulled out to apply up pressure. Turn down regulator knob or up regulator knob clockwise to increase and counter clockwise to decrease pressure. Row cleaners should only be cleaning residue from the strip & not engaging the soil.

## Step 7. Adjust rolling basket performance

Once all other pressures, depths, and levelness are properly adjust then rolling basket performance may be adjusted. Apply pressure to rolling basket to condition strip & incorporate fertilizer if applicable. Row unit downforce may need readjusted once rolling basket is set.

Recheck depth of each row unit & adjust as needed. Check depth on each row by removing loose soil until bottom of each strip is found. For most accurate measurement, remove residue away from the top of soil surface next to each strip where measuring & measure from bottom of each strip to top of soil surface.

# CAB CONTROL BOX COMPONENTS



- |  |   |
|--|---|
| <b>1</b> Air tank pressure gauge           | <b>7</b> Row unit downforce pressure control  |
| <b>2</b> Row cleaner selector valve        | <b>8</b> Rolling basket pressure gauge        |
| <b>3</b> Row cleaner up pressure control   | <b>9</b> Rolling basket down pressure control |
| <b>4</b> Row cleaner down pressure control | <b>10</b> Rolling basket up pressure control  |
| <b>5</b> Row cleaner pressure gauge        | <b>11</b> Rolling basket selector valve       |
| <b>6</b> Row unit downforce pressure gauge | <b>12</b> Row lock                            |

# CAB CONTROL BOX OPERATION

## ROW CLEANER UP PRESSURE CONTROL

- PULL KNOB TO UNLOCK
- TURN CLOCKWISE TO INCREASE AIR
- TURN COUNTERCLOCKWISE TO DECREASE AIR
- PUSH KNOB TO LOCK

## ROW CLEANER DOWN PRESSURE CONTROL

- PULL KNOB TO UNLOCK
- TURN CLOCKWISE TO INCREASE AIR
- TURN COUNTERCLOCKWISE TO DECREASE AIR
- PUSH KNOB TO LOCK

## ROW CLEANER PRESSURE GAUGE

## ROW UNIT DOWFORCE PRESSURE CONTROL

- PULL KNOB TO UNLOCK
- TURN CLOCKWISE TO INCREASE AIR
- TURN COUNTERCLOCKWISE TO DECREASE AIR (MUST ALSO PULL ROW LOCK TO DECREASE AIR & THEN PUSH TO LOCK AGAIN)
- PUSH KNOB TO LOCK

## ROW CLEANER SELECTOR VALVE

- PULL UP TO APPLY AIR TO UP PRESSURE SIDE OF ROW CLEANER CYLINDER
- PUSH DOWN TO APPLY AIR TO DOWN PRESSURE SIDE OF ROW CLEANER CYLINDER

## TANK PRESSURE FROM AIR SOURCE

- MINIMUM OF 100PSI
- MAXIMUM OF 145PSI

## ROW LOCK

- PULL UP TO VENT AIR IN ROW UNIT DOWNFORCE CIRCUIT
- PUSH DOWN TO LOCK AIR IN ROW UNIT DOWNFORCE CIRCUIT

## ROLLING BASKET SELECTOR VALVE

- PULL UP TO APPLY AIR TO UP PRESSURE SIDE OF ROLLING BASKET AIR CYLINDER
- PUSH DOWN TO APPLY AIR TO DOWN PRESSURE SIDE OF ROLLING BASKET CYLINDER

## ROLLING BASKET UP PRESSURE CONTROL

- PULL KNOB TO UNLOCK
- TURN CLOCKWISE TO INCREASE AIR
- TURN COUNTERCLOCKWISE TO DECREASE AIR
- PUSH KNOB TO LOCK

## ROW UNIT DOWNFORCE PRESSURE GAUGE

## ROLLING BASKET PRESSURE GAUGE

## ROLLING BASKET DOWN PRESSURE CONTROL

- PULL KNOB TO UNLOCK
- TURN CLOCKWISE TO INCREASE AIR
- TURN COUNTERCLOCKWISE TO DECREASE AIR
- PUSH KNOB TO LOCK



Row Unit Parallel

