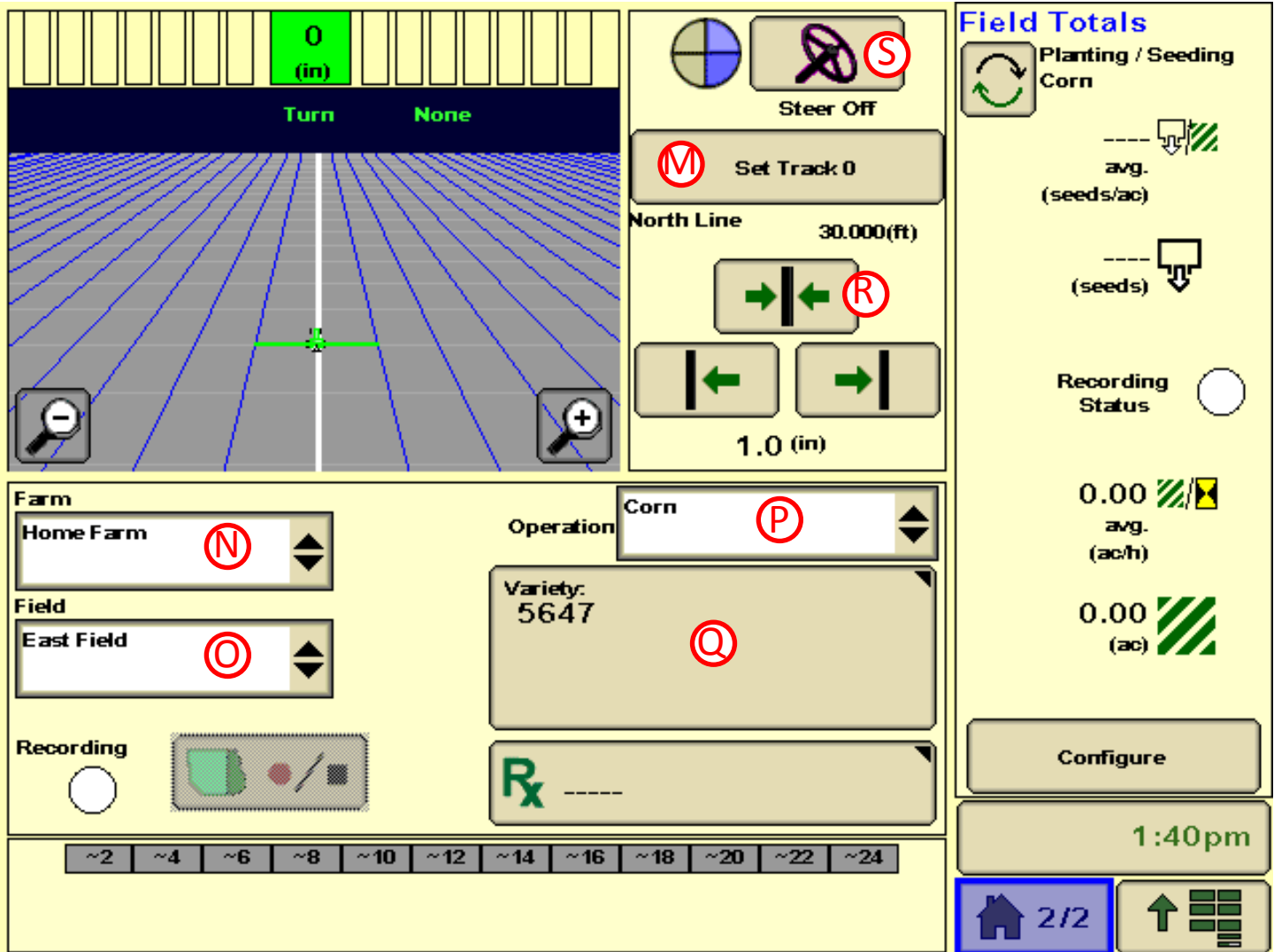


- A) Target Population—Press button to change target population
- B) Average population
- C) QS Reset—Quick Start—Reduces skip from a dead stop—Press before releasing clutch
- D) Charge the meters—Press to charge the meters
- E) Target down force pressure
- F) Planter home page
- G) Planter setup
- H) Crop selection and population rate setup
- I) Totals—field and crop totals
- J) Diagnostics
- K) Home page
- L) Menu Button
- 1) Target Population
- 2) Singulation
- 3) Coefficient of Variation
- 4) Next Page / Toggle
- 5) Pneumatic Down Force
- 6) Ride Quality
- 7) Row Details
- 8) Summary Page

The screenshot displays a complex control interface for a combine harvester. At the top left, a large digital display shows '32000'. To its right is a target icon with a green diagonal line. Further right, another display shows '0' with a similar target icon. Below these are two '0.0 (ac)' displays, each with a green diagonal line and a dropdown arrow. The central part of the screen features a bar chart with vertical lines at 4, 8, and 12, and a series of black bars representing data. To the right of the chart are icons for '+', '%', and '-'. Below the chart is a row of eight grey rectangular buttons. At the bottom of this section are two large arrow buttons (right and left) and a double-headed arrow icon. The bottom section of the screen is divided into several panels. On the left, there are icons for a green circle, a target, and a red circle with a white 'E'. Next to these are the numbers '35' and '33 (lbs)'. To the right is a 'Row (seeds/ac)' table. Below the table are four icons showing different harvester configurations. On the far right, there is a vertical stack of five icons labeled F, G, H, I, and J. Below these is a digital display showing '4:20pm'. At the very bottom right, there is a home icon and a blue button with an upward arrow and a grid icon.

Row	(seeds/ac)
Min:	14 31100
Max:	1 34100
Scan:	14 31100
	4 31900

E) Active Pneumatic Down Force



M) Press “Set Track 0” to set AutoTrac line

N) Press to change the Farm Name

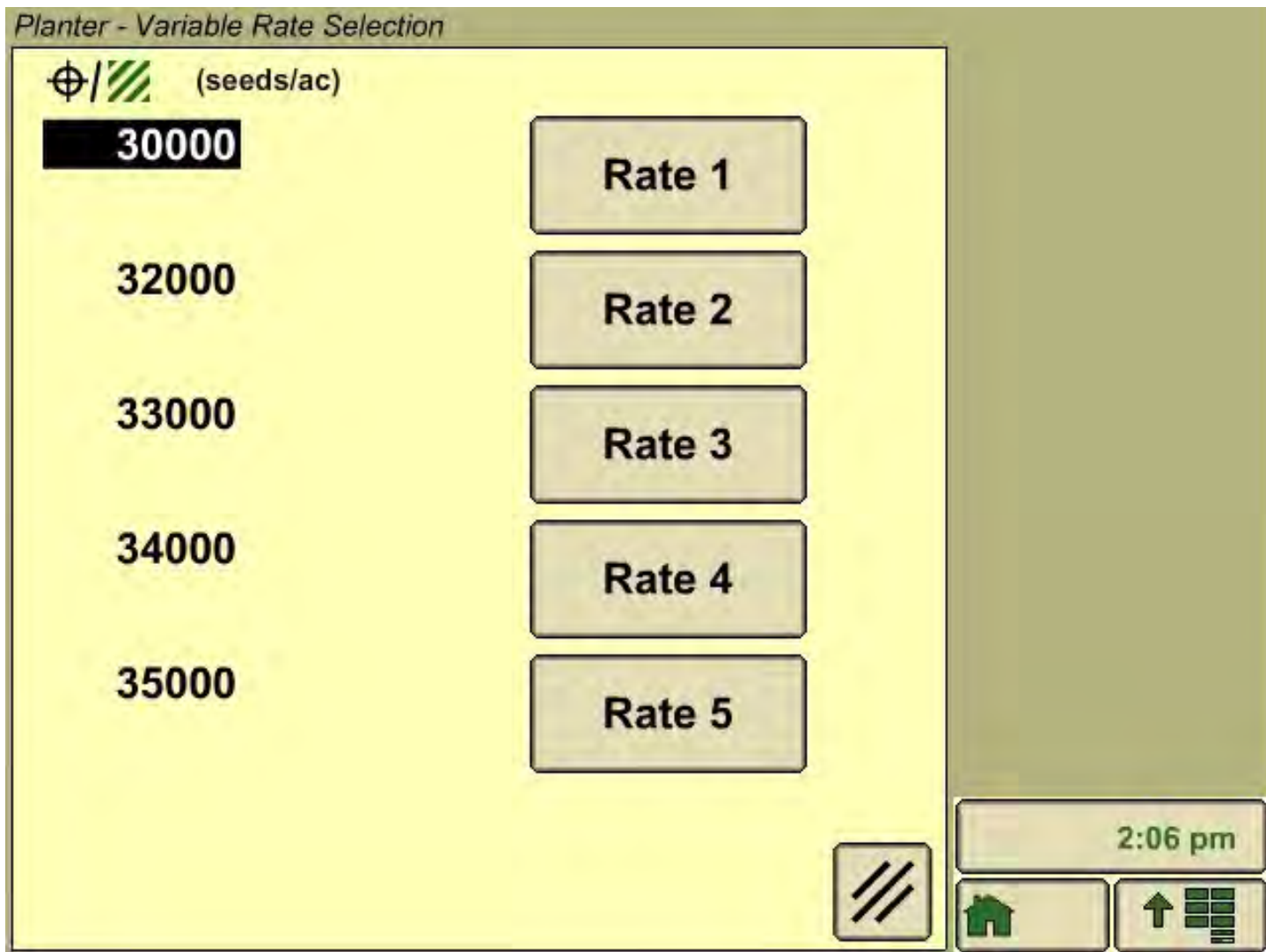
O) Press to change the Field Name

P) Change recording from corn to beans

Q) Press to change variety name and number

R) Center your AutoTrac line to correct tractor location

S) Press the steering wheel button to enable AutoTrac. You should see the 3rd piece of pie light up and it should say “Steer On.” Press the Resume switch to engage AutoTrac.



Press the rate button next to desired rate to change rate

Planter - Rotate Disks

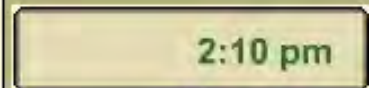
To rotate seed meters:

Raise the planter, ensure planter is stationary and SCV is engaged for the variable rate motor(s).

**Press Continue to rotate seeds meters. The meters will turn about
1/2
turn for each time Continue is pressed.**

Press this button to cancel
and go back to home page

Press this button to rotate
the meters 1/2 turn



Button E

The screenshot shows a control panel with several sections:

- Top left: A large number '32000' and a target icon.
- Top right: A large number '0' and a plant icon.
- Middle left: A bar chart with vertical lines at 4, 8, and 12. Below it are green bars and navigation arrows.
- Middle right: A 'QS Reset' button, a plus sign, a percentage icon, and a minus sign.
- Bottom left: Two input fields for '0.0 (ac/h)' and '0.0 (ac)'. Below them are two arrows (up and down) and a right-pointing arrow, all enclosed in a red box.
- Bottom right: A table with columns 'Row' and '(seeds/ac)'.

	Row	(seeds/ac)
Min:	12	0
Max:	13	0
Scan:	1	0
	3	0
- Far right: A vertical stack of icons labeled F, G, H, I, J, and a time display '6:56 am'.

Push the up and down arrows to increase or decrease the desired down force.

DOWNFORCE the force that is applied to the row unit by the air bag circuit
150lbs



Button E—with Active Pneumatic Down Force

Push the up and down arrows to increase or decrease the desired target margin. Normal range is between 30-75 lbs. Planter will automatically change down force to achieve set margin.

Downforce and Margin Example



Resistance from soil
200 lbs

Weight of Row Unit
100 lbs

DOWNFORCE the force that is applied to the row unit by the air bag circuit
150lbs

MARGIN - Amount of additional down force applied to a row unit above and beyond what is required for penetration and to achieve full planting depth

150+100=(250-200)= 50 lbs Margin

Button H—Corn Setup

Planter - Rates


Crop Name


Use 1 Rate for All Motors


Disk Type

Seed Disk


Population Adjust

F 



G 

H 

I

J 

2:15 pm

Make sure crop name, disk type, and seed disk are correct

Button H—Bean Setup

Planter - Rates


Crop Name


Use 1 Rate for All Motors


Disk Type

Seed Disk

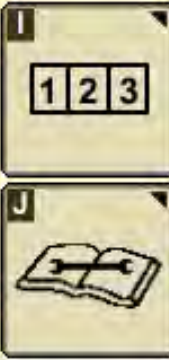
Population Adjust

F 



G 

H 

I

J 

2:18 pm

Make sure crop name, disk type, and seed disk are correct

The screenshot shows a software interface titled "Set Track 0". At the top, there are two dropdown menus: "Current Track 0" (set to "Track 1") and "Method" (set to "A + B"). Below these are "New" and "Remove" buttons. In the center, the following data is displayed: "Heading: 0.0000", "Point A Lat: 41.48453584", and "Point A Lon: -90.50231954". Below the data is a "Track Spacing (ft):" field set to "60.000". At the bottom of the main panel are "Set A", "Set B", and "Set B Later" buttons, along with "Cancel" and "Accept" buttons. To the right of the main panel, there is a status bar showing "2:22 pm" and a home button.

- 1) Make sure "Current Track 0" has a name—Hit new and type in name f not or press the white box and select one from the list.
- 2) Make sure "Track Spacing" is set to implement width
- 3) Press "Set A" at the beginning of the pass where you want to AutoTrac
- 4) & 5) Press "Set B" at the other end of the field to complete the AutoTrac line or press "Set B Later" if you want to go back and see the planter info. Just remember to press "Set Track 0" at the end of the field and then press "Set B" to finish the line and hit the "Accept" button.


GreenStar 2 Pro - Documentation

Corn New

*Seed Type **Corn**

Prescription ----

Implement Name ----

1792 

seeds/ac

1	140000
2	140000

Assign Variety to Rows

4 8 12 16

1 2

8 16

Remove Advanced Settings Rx

A Mapping

F GS₂ Control & Management System

B Guidance

G Resources

C Diagnostics



H Equipment

I Document

E Swath

J 1 2 3
Totals

2:35 pm

Press to change Variety
See next page in manual

Add/Edit Variety

Brand Select Brand First

* Variety Select Variety Second

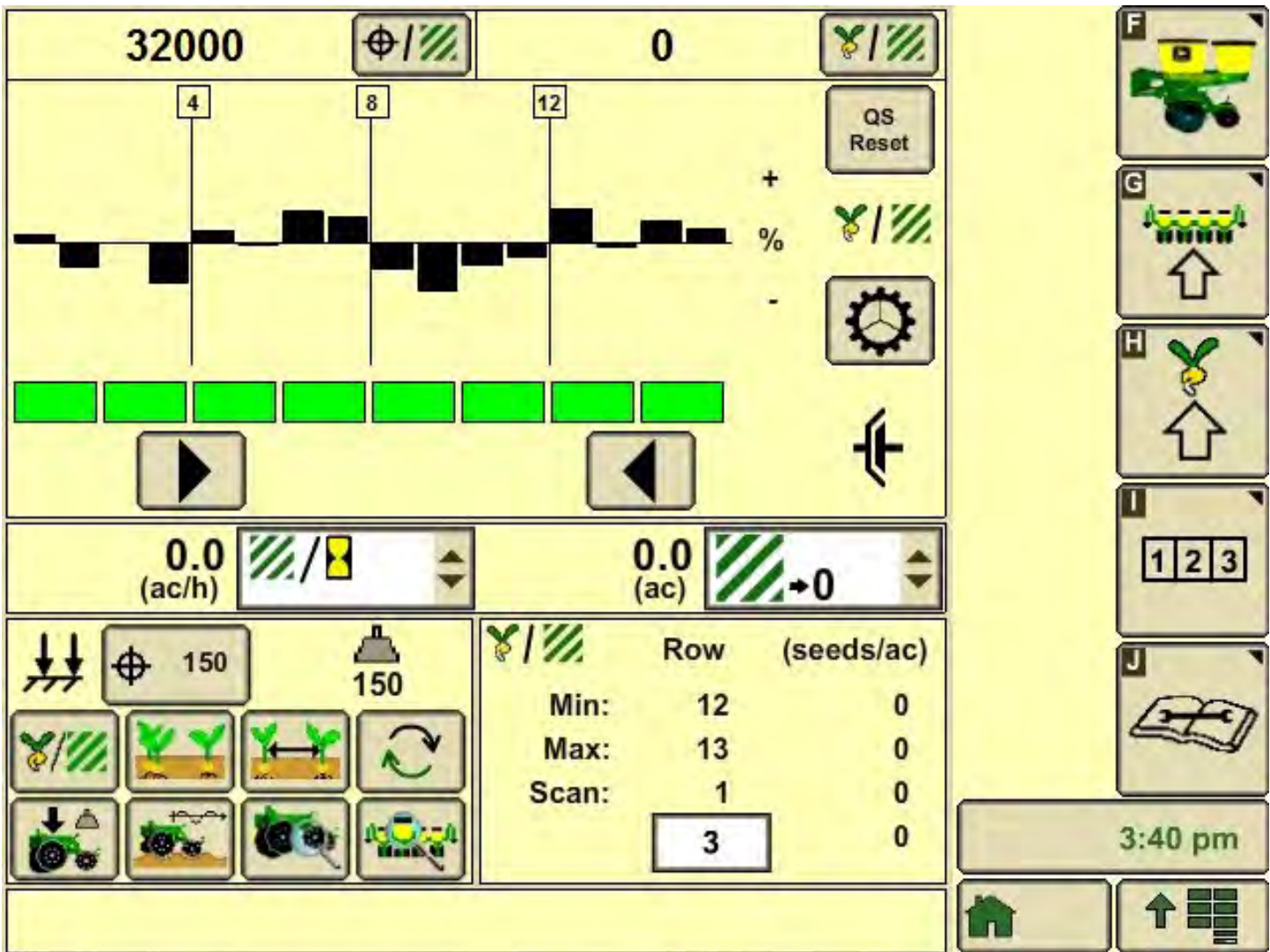
* Color Select to finish

Lot Number

2:39 pm

Hit the Home button after you press Accept

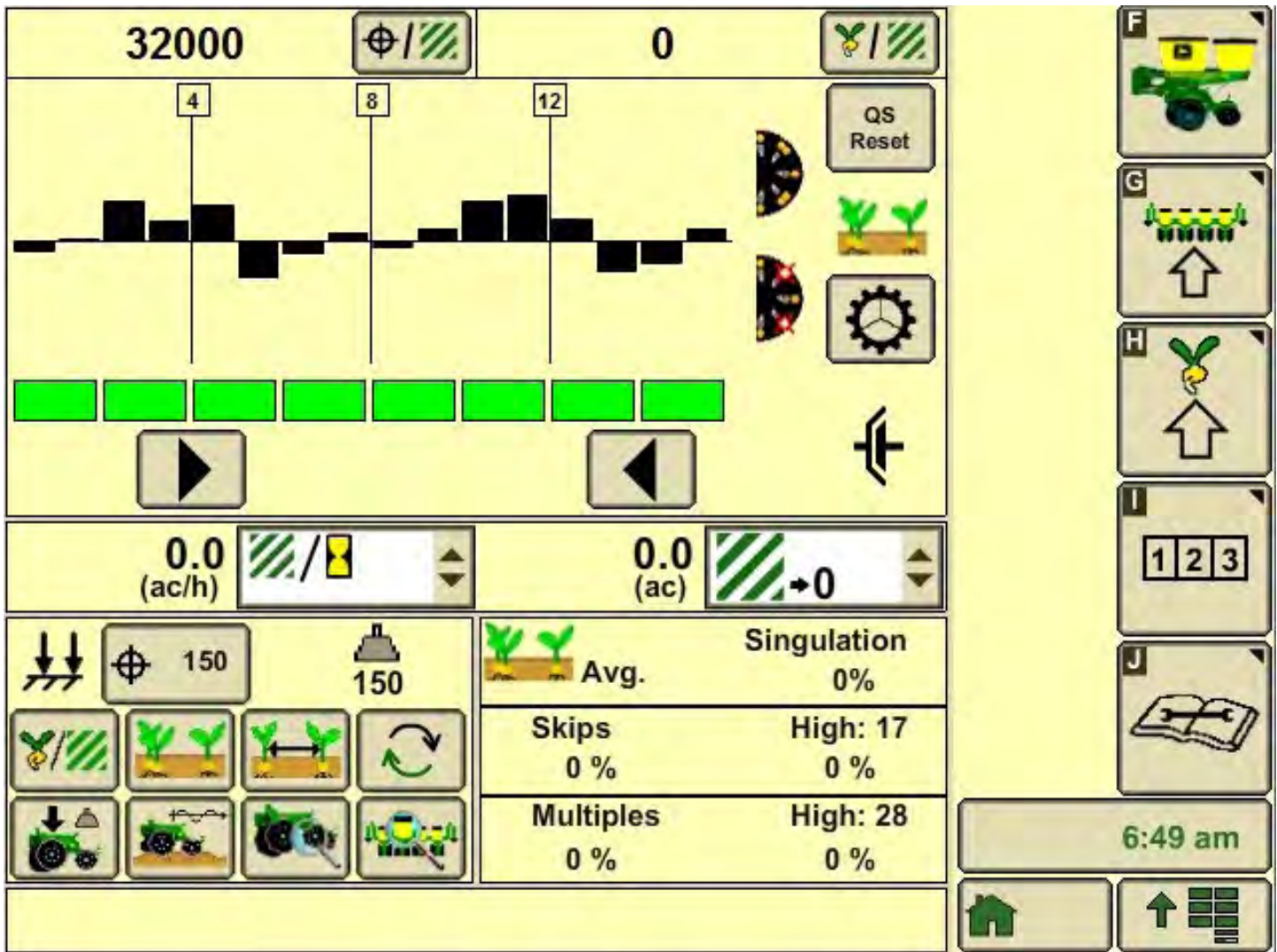
Button 1



Target Population

- Displays bar graph with the line representing target population
- A bar higher than the line indicates that row is planting over the target population
- A bar lower than the line indicates that row is planting under the target population

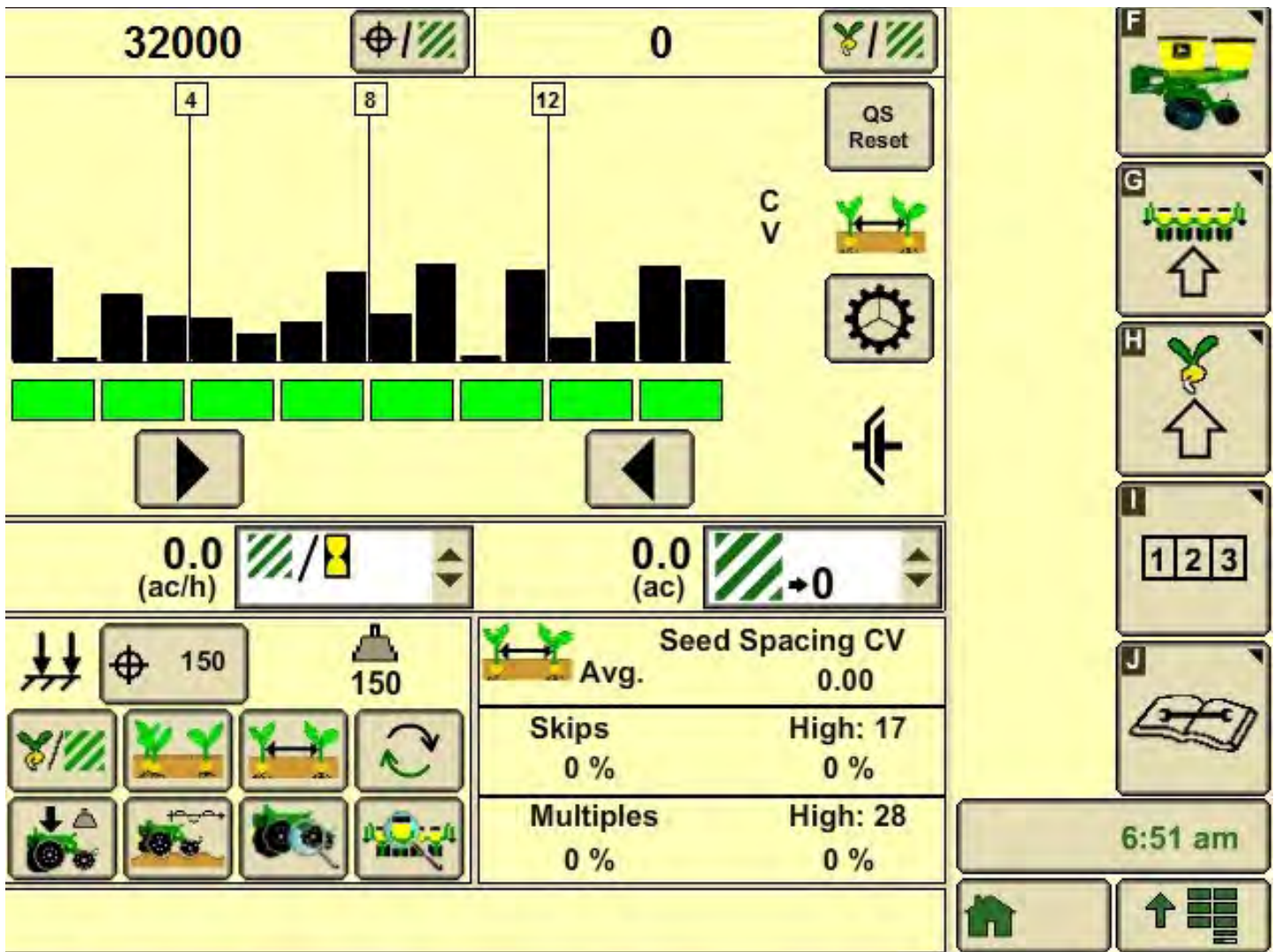
Button 2



Singulation

- Singulation displays how well the meter is performing at dropping one seed at a time
- The line in the middle represents 0 skips and 0 doubles. A bar above the line represents a row planting doubles. A bar below the line represents a row leaving skips.

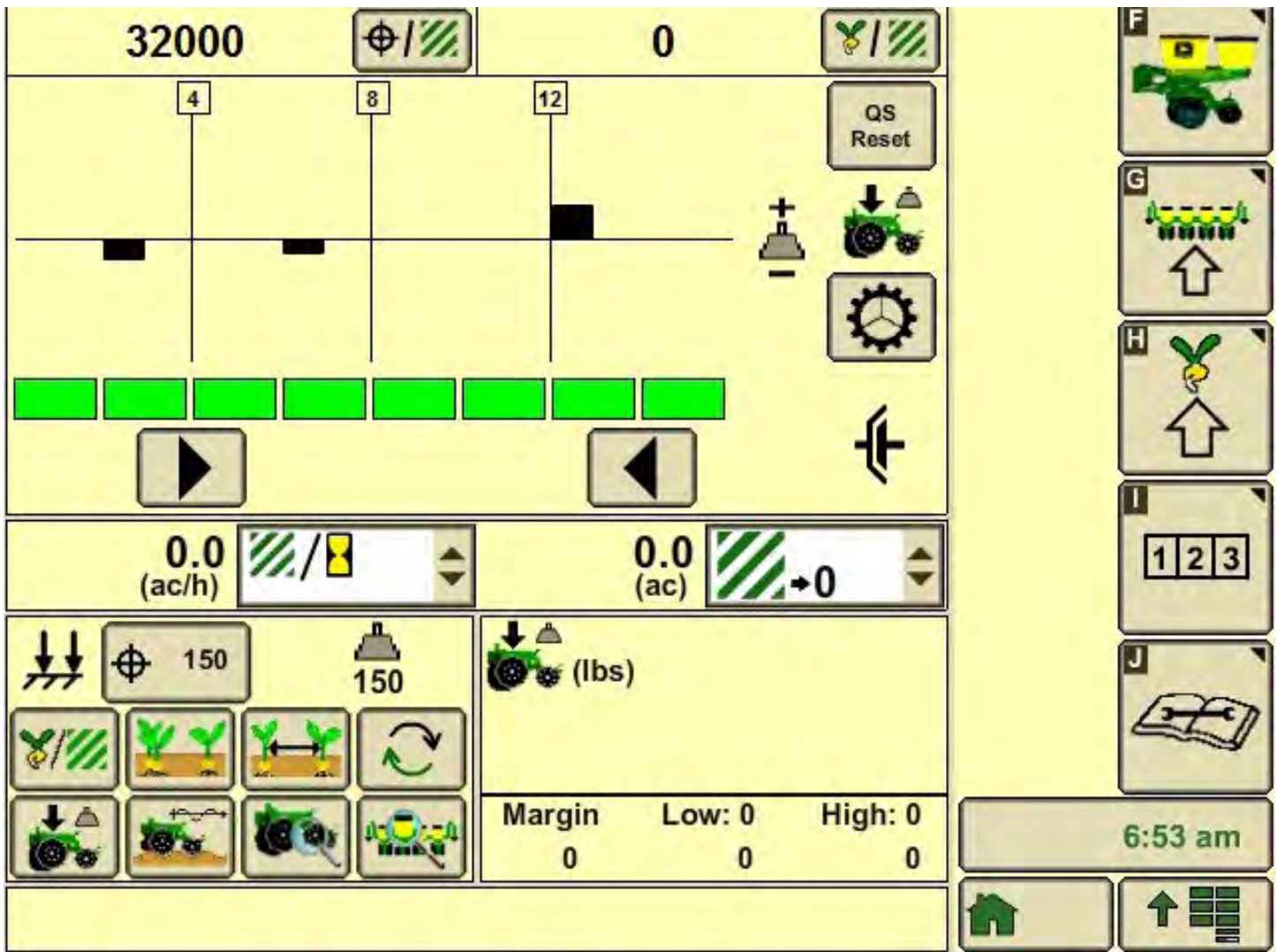
Button 3



Coefficient of Variation

- Coefficient of Variation is an indicator of the quality of seed spacing. It is a fancy word for “average error”. The lower the coefficient of variation the better the seed spacing or more consistent distance between the seeds. A value of .20 or less is desired for good spacing.

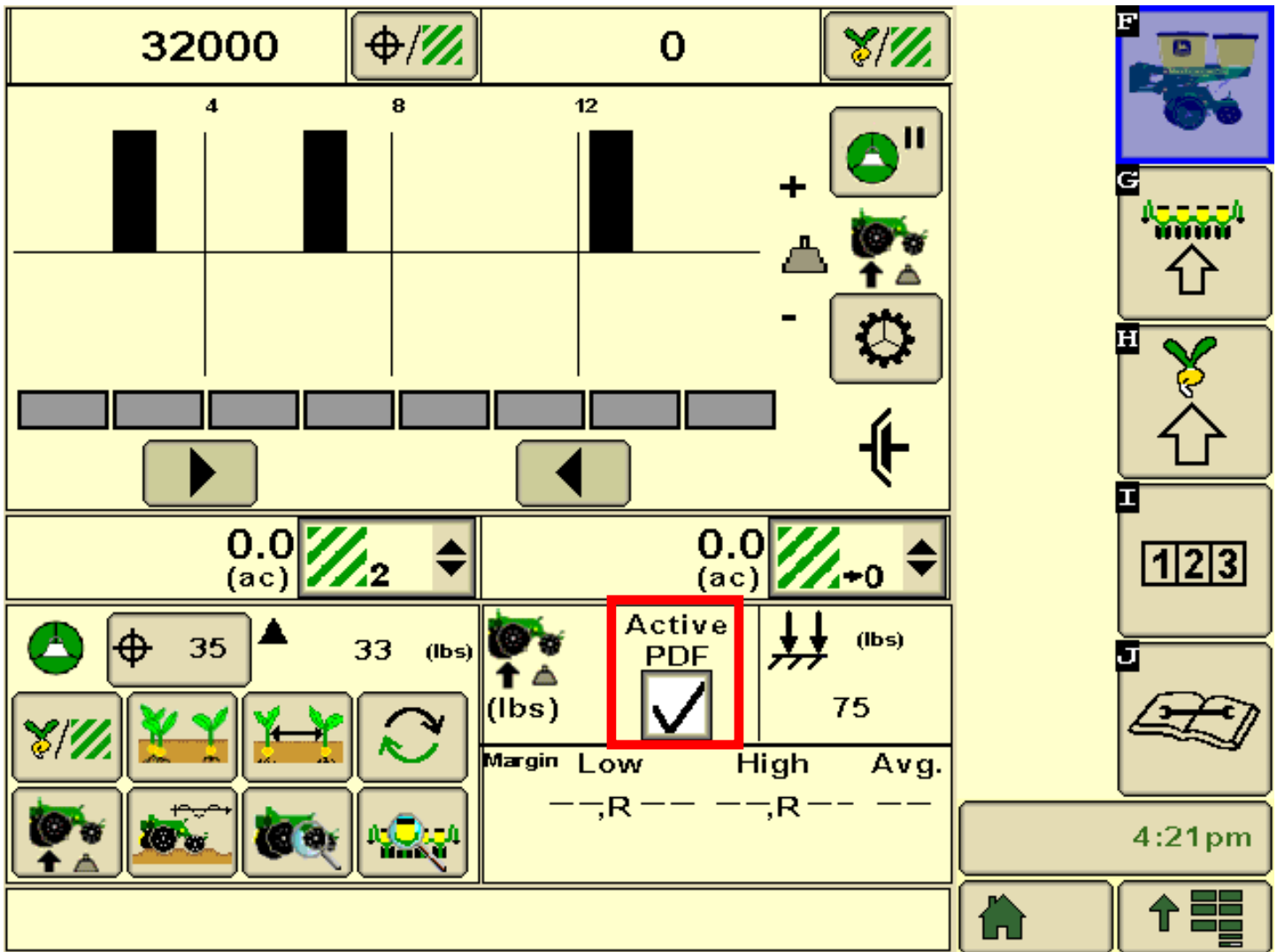
Button 5



Pneumatic Down Force

- Refer back to page 6 for more information

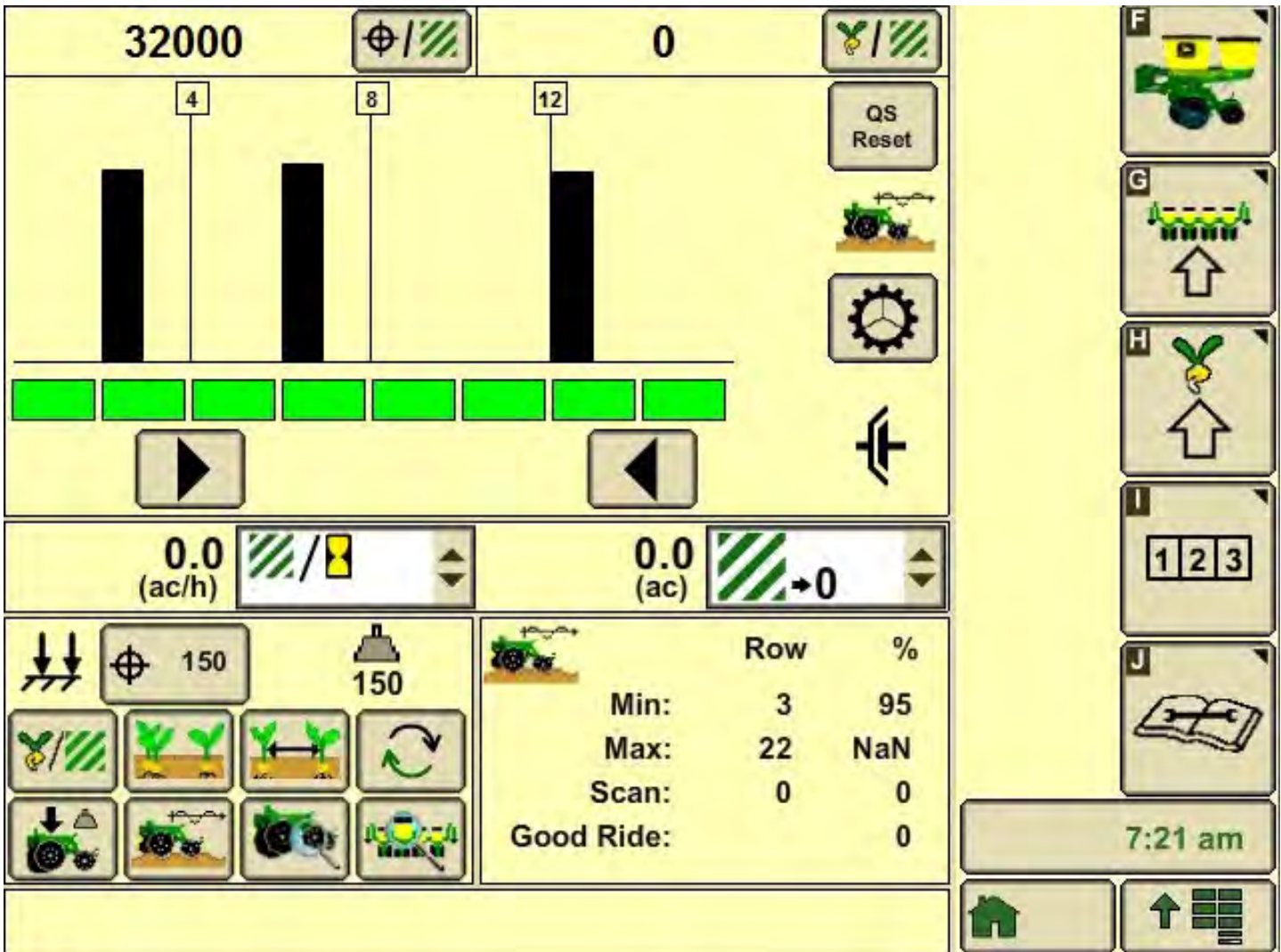
Button 5



Active Pneumatic Down Force — Make sure the Active PDF Button is checked

- Refer back to page 7 for more information

Button 6





Ride Quality


- Ride quality is an indicator of how stable the row unit is as it is going through the field. An erratic ride will effect seed spacing and possibly planting depth. A ride of 95% or better is desired. Ride can be improved by slowing down or increasing down force or margin.


Planter - Totals


Row Details


 Row 

Population	0	(seeds/ac)
Singulation	0	%
Multiples	0	%
Skips	0	%
Ride Quality	0	%
Seed Spacing CV	0.00	
Average Spacing	0.0	(in)
Down Force	0	(lb)
Down Force Margin	0	(lb)




F 



G 

H 

I

J 

7:23 am

Row details

Button 8

0.0 (ac/h)		0.0 (ac) → 0																								
Avg. Pop 0		Avg. Good Spacing 0 %																								
<table border="1"> <tr> <th></th> <th>Row</th> <th>(seeds/ac)</th> </tr> <tr> <td>Min:</td> <td>12</td> <td>0</td> </tr> <tr> <td>Max:</td> <td>13</td> <td>0</td> </tr> <tr> <td>Scan:</td> <td>1</td> <td>0</td> </tr> <tr> <td></td> <td><input type="text" value="3"/></td> <td>0</td> </tr> </table>			Row	(seeds/ac)	Min:	12	0	Max:	13	0	Scan:	1	0		<input type="text" value="3"/>	0	<table border="1"> <tr> <th>Avg. Singulation</th> <th>High</th> </tr> <tr> <td>0 %</td> <td>17</td> </tr> <tr> <td>Skips 0 %</td> <td>0 %</td> </tr> <tr> <td>Multiples 0 %</td> <td>High: 28 0 %</td> </tr> </table>		Avg. Singulation	High	0 %	17	Skips 0 %	0 %	Multiples 0 %	High: 28 0 %
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Min:	0																									
Max:	0																									
Scan:	0																									
Good Ride:	0																									
<input type="text" value="150"/>		<input type="button" value="▲"/> <input type="button" value="▼"/> <input type="text" value="150 (lbs)"/>																								

Summary page