



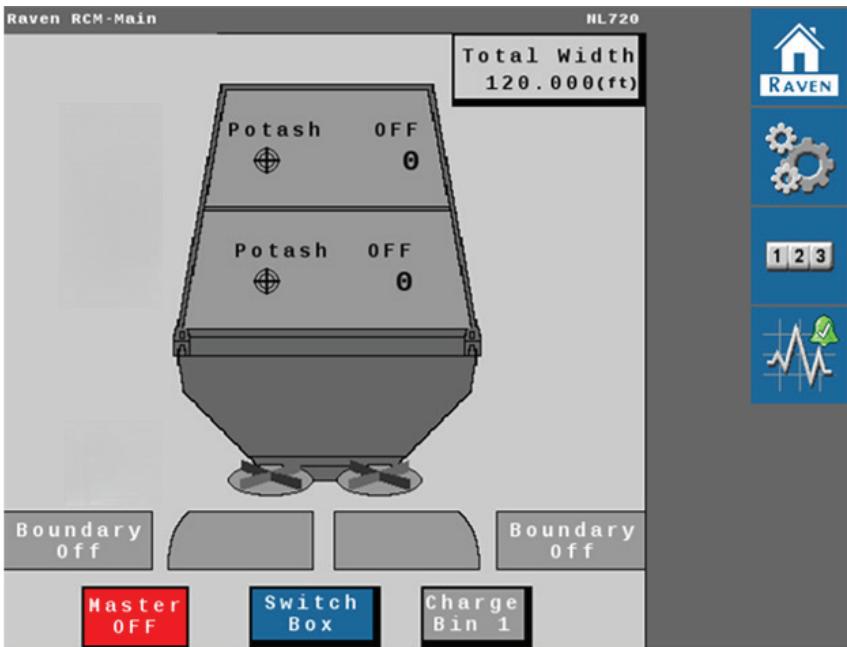
# NL7 Series

## OPERATORS QUICK GUIDE



**NEW  
LEADER**  
PRECISION APPLICATION EQUIPMENT

# NL7 Main UI



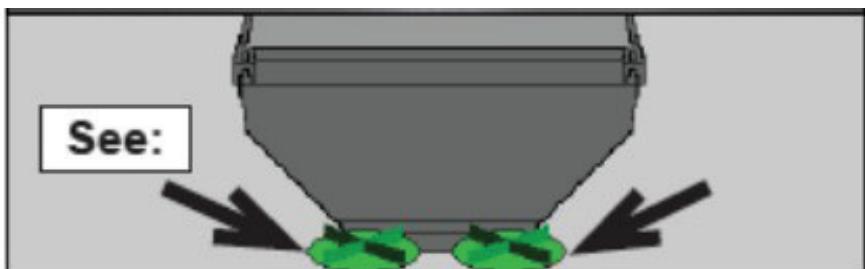
\* Product images are for reference only and may differ slightly across models in the NL7 series.



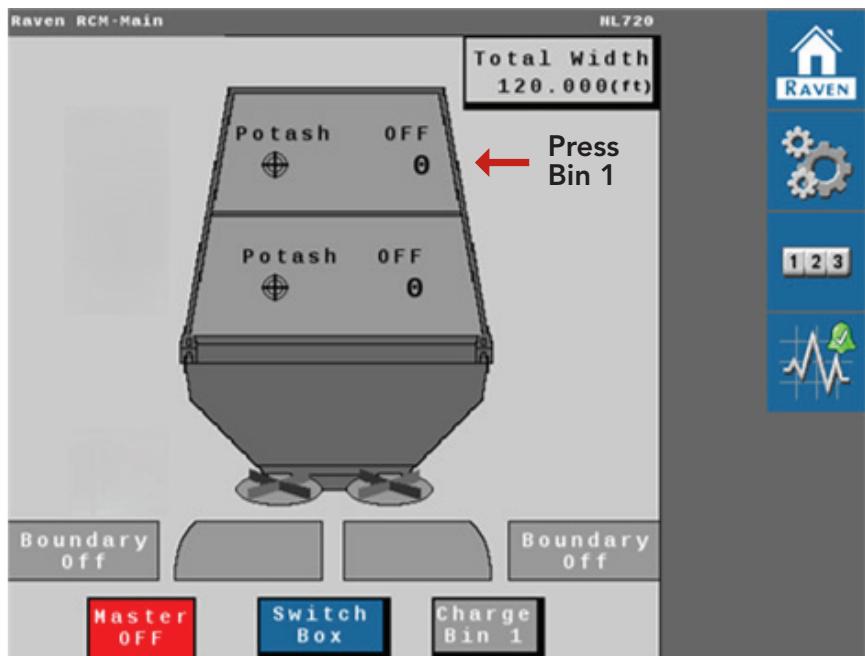
	FUNCTION/OPERATION
Product Bin Status	<p>Status:</p> <p><b>Grey</b></p> <ul style="list-style-type: none"><li>Product Off</li></ul> <p><b>Grey with Green Outline</b></p> <ul style="list-style-type: none"><li>Product on, but no sections on.</li></ul> <p><b>Green</b></p> <ul style="list-style-type: none"><li>Product applying</li></ul> <p><b>Red</b></p> <ul style="list-style-type: none"><li>Error with product</li></ul>
Target Rate	Displays the target application
Actual Rate	Displays the actual application rate
Total Width	Total width of the spread pattern as configured during the initial equipment calibration
Spinner Status	<p><b>Grey</b></p> <ul style="list-style-type: none"><li>Spinners off</li></ul> <p><b>Green</b></p> <ul style="list-style-type: none"><li>Spinners on</li></ul> <p><b>Red</b></p> <ul style="list-style-type: none"><li>Spinner error</li></ul> <p><b>Purple</b></p> <ul style="list-style-type: none"><li>Controlled reduce speed</li></ul>
Left & Right Boundary	Enable left/right boundary option to slow down the spinner rpm for the respective spinner and avoid spreading product outside of the field area
Master Switch Indicator	Shows status of the master switch Green - on Red - off Orange – cycle the master switch
Bin Charge	Bin charge indicator – press and hold function
Section Status	Displays the status for the left and right sections Grey – Not applying Green – Applying Red – Error with section Purple – Pattern control active

# Bin Charge

## 1. Turn on spinners (armrest)



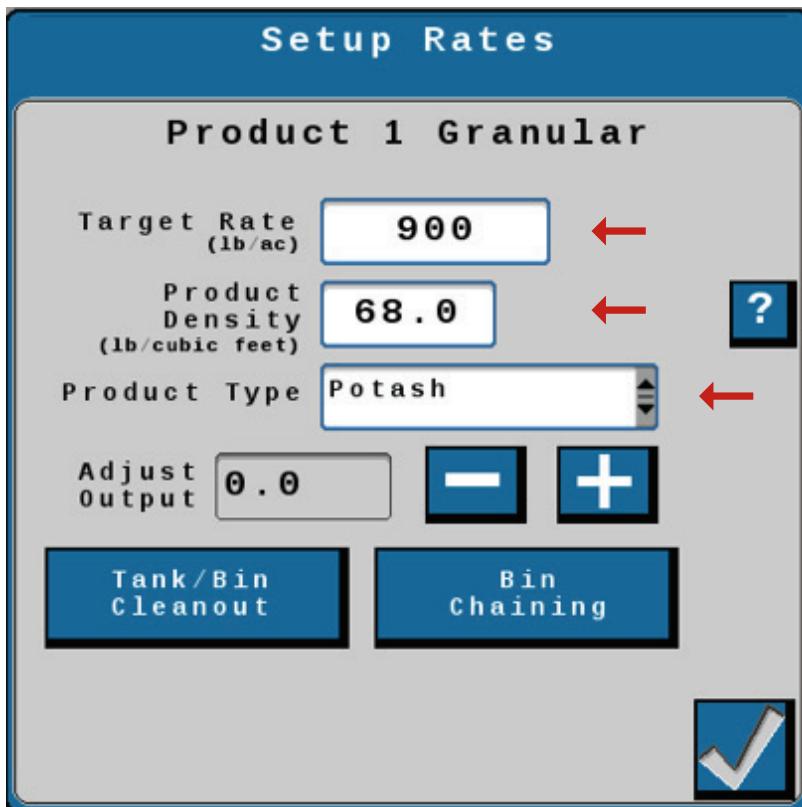
## 2. Press Bin 1



# Bin Charge

## 3. Input

- Target Rate
- Density
- Product Type



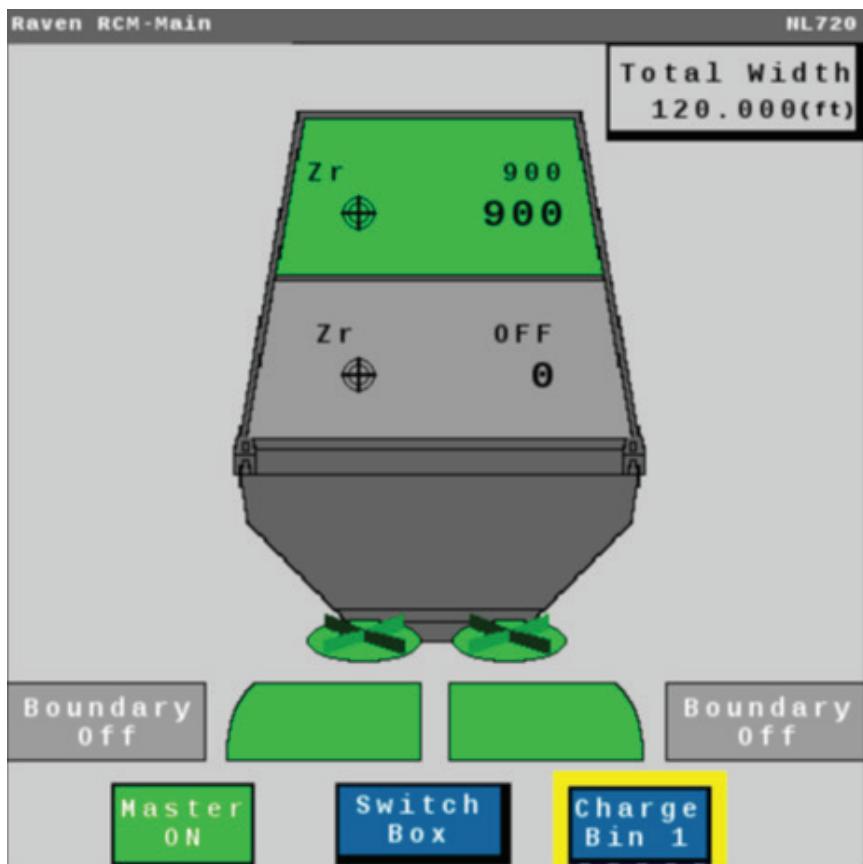
↑  
Press

# Bin Charge

## 4. Turn on Master Switch (joystick)

Press/Hold Bin Charge

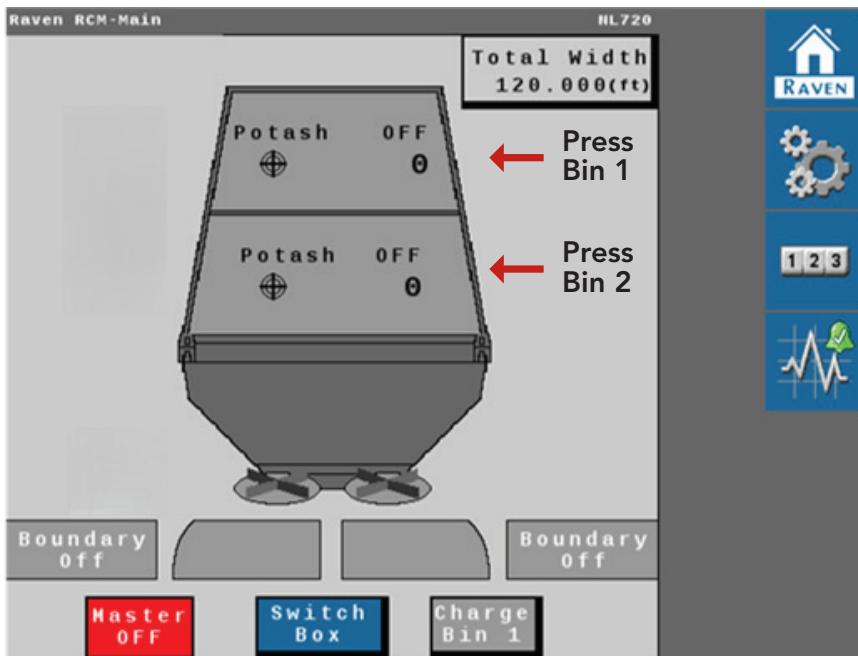
*Note: Release bin charge button to stop the process*



Press/Hold  
Bin Charge

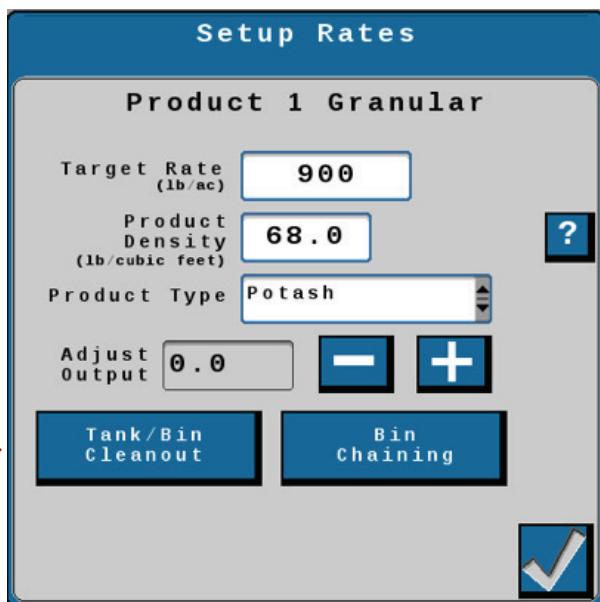
# Tank Bin Cleanout

## 1. Press Either Bin

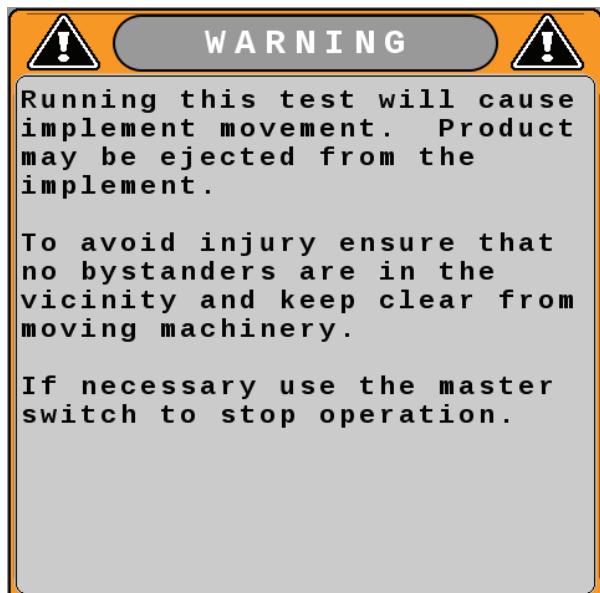


# Tank Bin Cleanout

## 2. Press Tank/Bin Cleanout



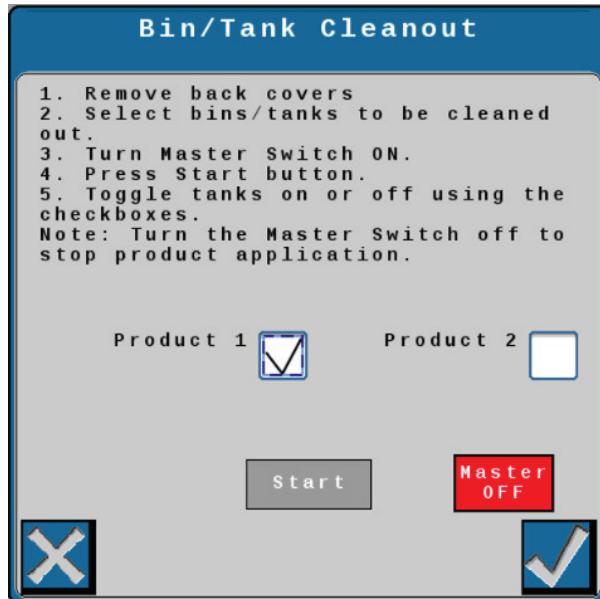
## 3. Read and Accept Warning



# Tank Bin Cleanout

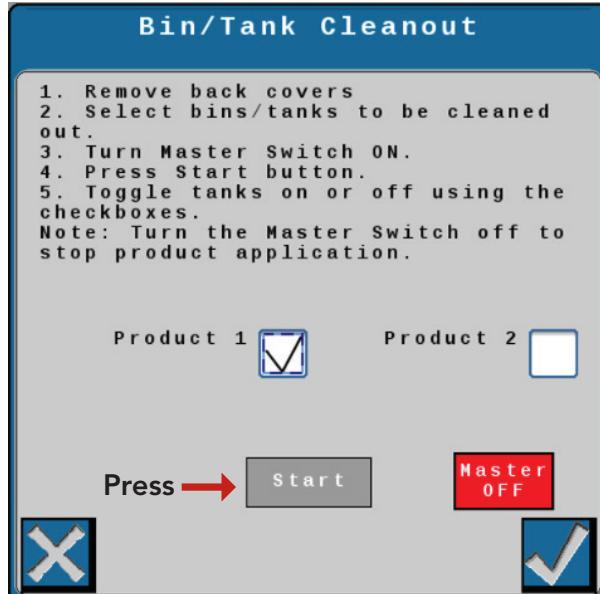
## 4. Select Relevant Bin(s)

You may clean out multiple bins at the same time.



## 5. Turn on Master Switch (joystick)

- Press Start



# Tank Bin Cleanout

## 6. System Running

*Note: when running man appears, selected bin/s are running*

**Bin/Tank Cleanout**

1. Remove back covers
2. Select bins/tanks to be cleaned out.
3. Turn Master Switch ON.
4. Press Start button.
5. Toggle tanks on or off using the checkboxes.

**Note:** Turn the Master Switch off to stop product application.

Product 1  Product 2

## 7. Turn Off Master Switch

- Press Accept

**Bin/Tank Cleanout**

1. Remove back covers
2. Select bins/tanks to be cleaned out.
3. Turn Master Switch ON.
4. Press Start button.
5. Toggle tanks on or off using the checkboxes.

**Note:** Turn the Master Switch off to stop product application.

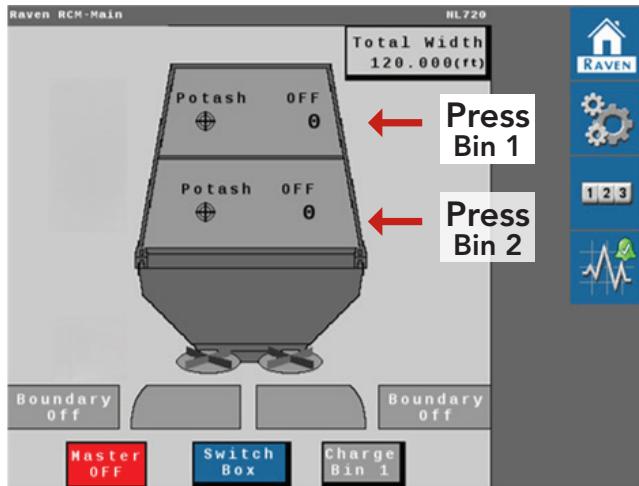
Product 1  Product 2

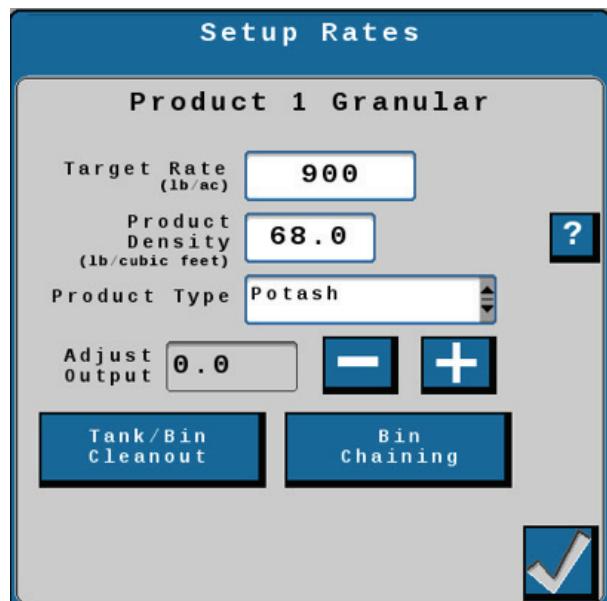
Press 

# Bin Chaining

## 1. Press Bin 1 or 2



## 2. Press Bin Chaining



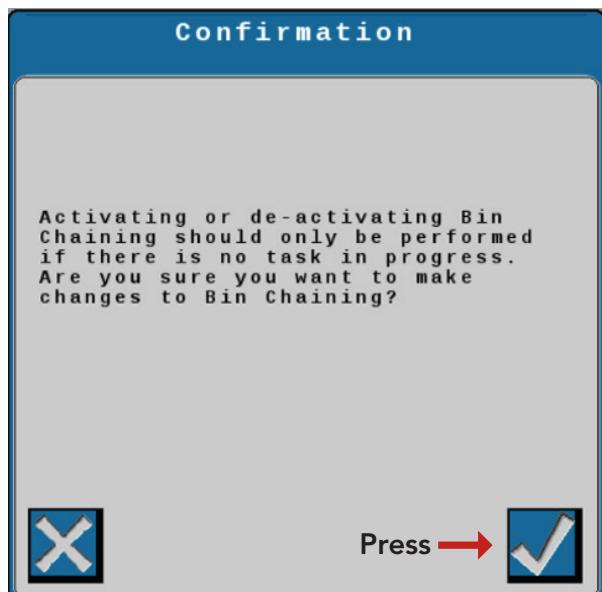
# Bin Chaining

## 3. Select Bin Chaining Order/Mode

- 2 to 1
- 1 to 2



## 4. Press Accept

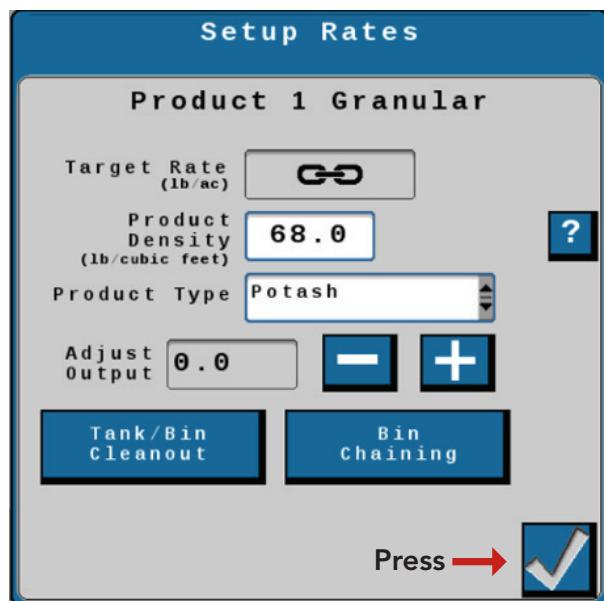


# Bin Chaining

5. Press Accept

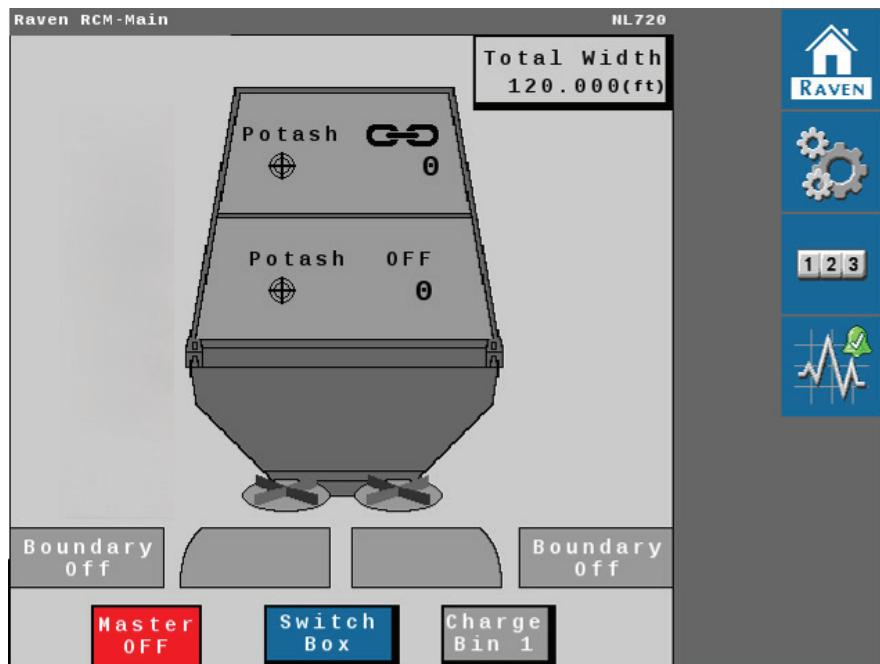


6. Press Accept



# Bin Chaining

## 7. Begin Field Application

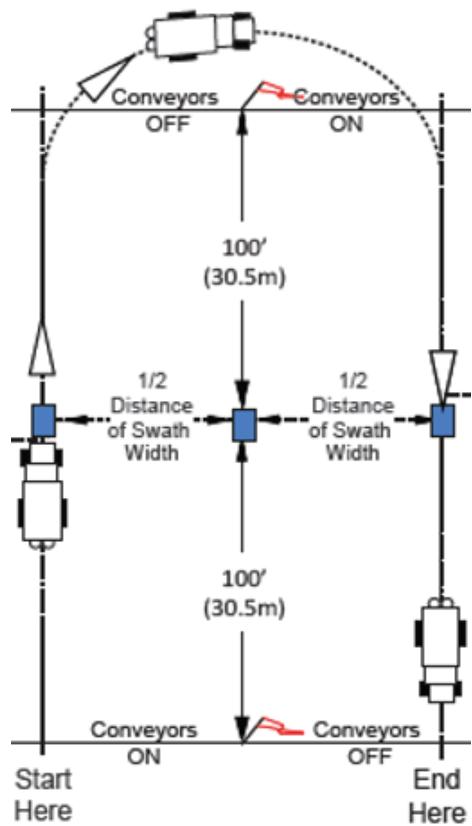


# Spread Pattern Testing

## New Rope Layout

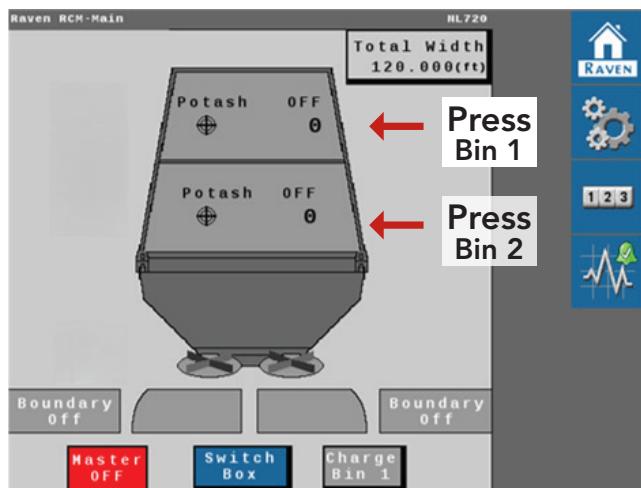


DESCRIPTION	QTY
Plastic Storage Box	1
Blue Plastic Collection Trays	3
White Divider Screens	3
Test Tube Rack Assembly	1
Test Tubes	3
Scale - Density	1
Plastic Stakes	2
Funnel	1
Rope	1
Flags	2

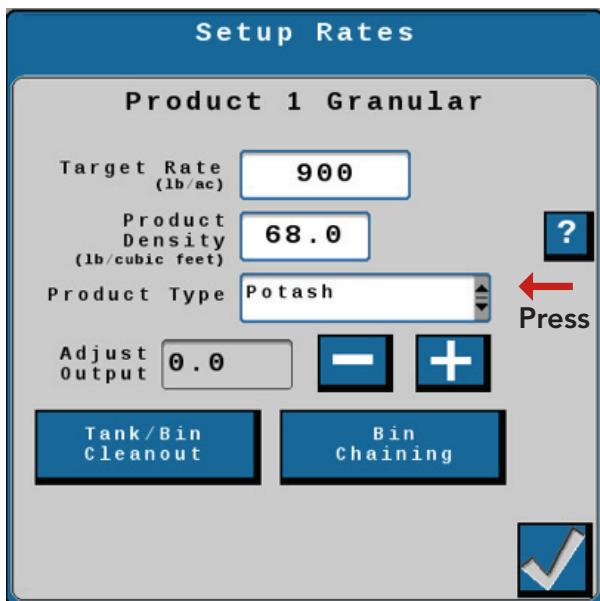


# Spread Pattern Testing

1. Press Bin 1 or 2



2. Press Product Type



# Spread Pattern Testing

## 3. Press New



## 4. Enter the Following Information/Press Next

- Product Name
- Baseline Product
- Product that most represents what you're spreading
- Product Density

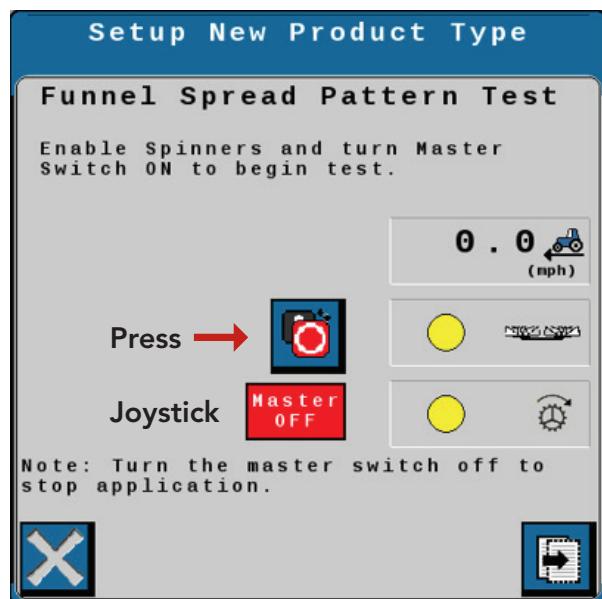


# Spread Pattern Testing

## 5. Accept



## 6. Activate Spinners and Conveyor



# Spread Pattern Testing

## 7. Drive Through Pans 10-15mph

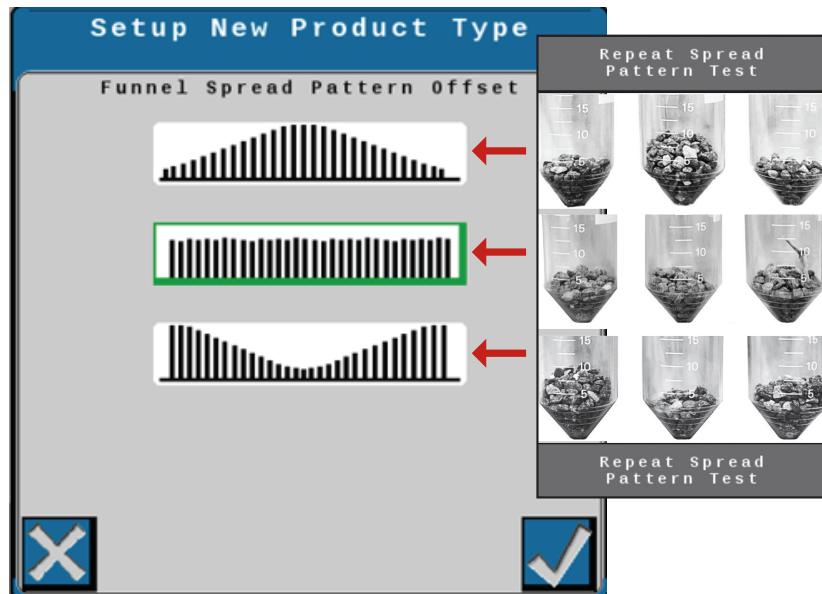
Note: Spinner and Conveyor

**MUST** be green before driving through the pans.



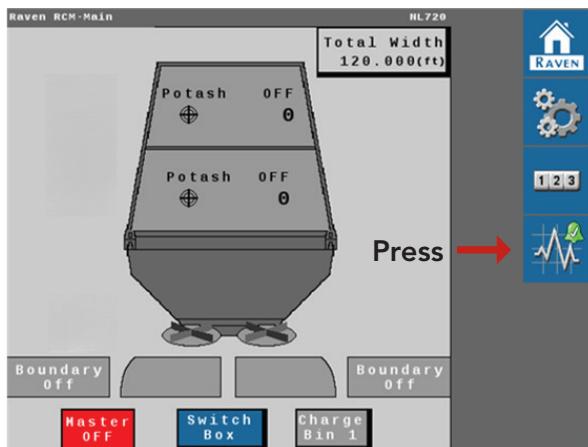
## 8. Pickup Pans and Choose Correct Picture

Note: Press accept when an acceptable pattern is achieved



# NL7 Series Spreader Check

## 1. Press Diagnostics

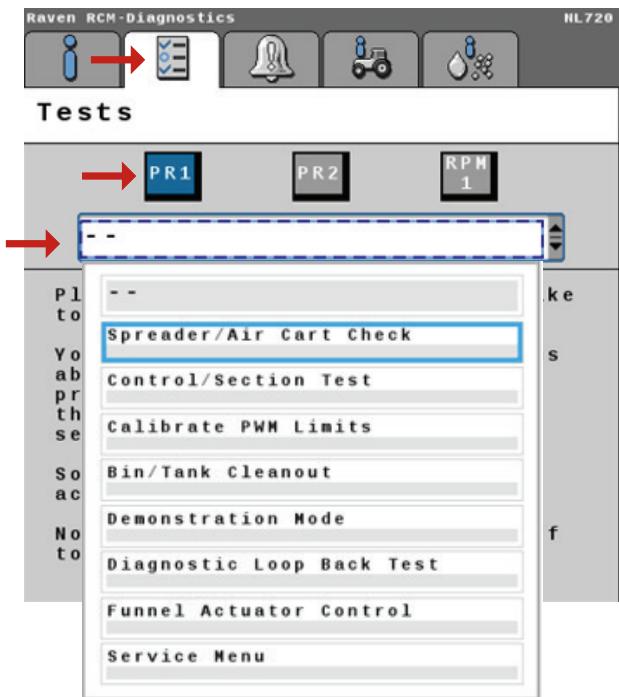


## 2. Press Test Tab

- Press bin (1 or 2)

Note: (PR1=bin1)  
(PR2=bin2)

- Press drop down
- Select Spreader/Air Cart Check



# ■ NL7 Series Spreader Check

## 3. Press Begin

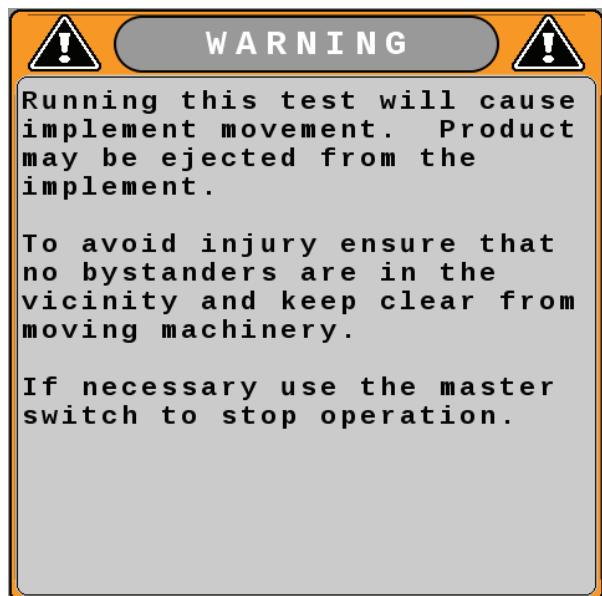


## 4. Enable RPM Products



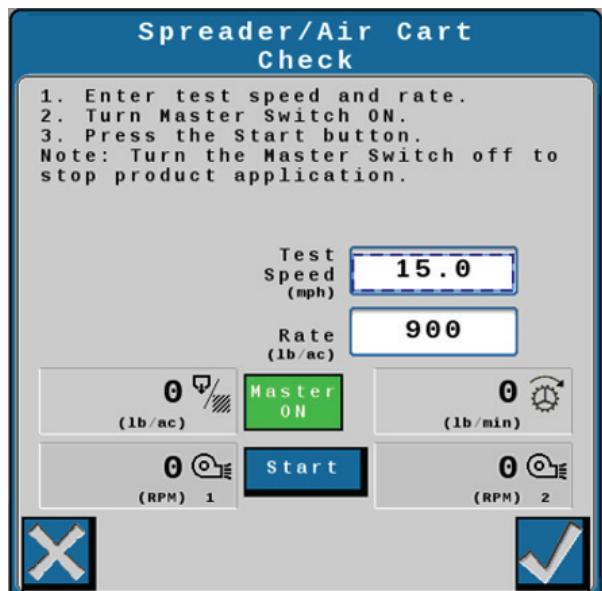
# NL7 Series Spreader Check

## 5. Read and Acknowledge Warning



## 6. Input

- Test Speed
- Rate (lb/acre)



# ■ NL7 Series Spreader Check

## 7. Activate Unit

- Turn Master Apply Switch on (Joystick)

*Note: Conveyor and Spinner circuits should now be running.*



# NL7 Series Spreader Check

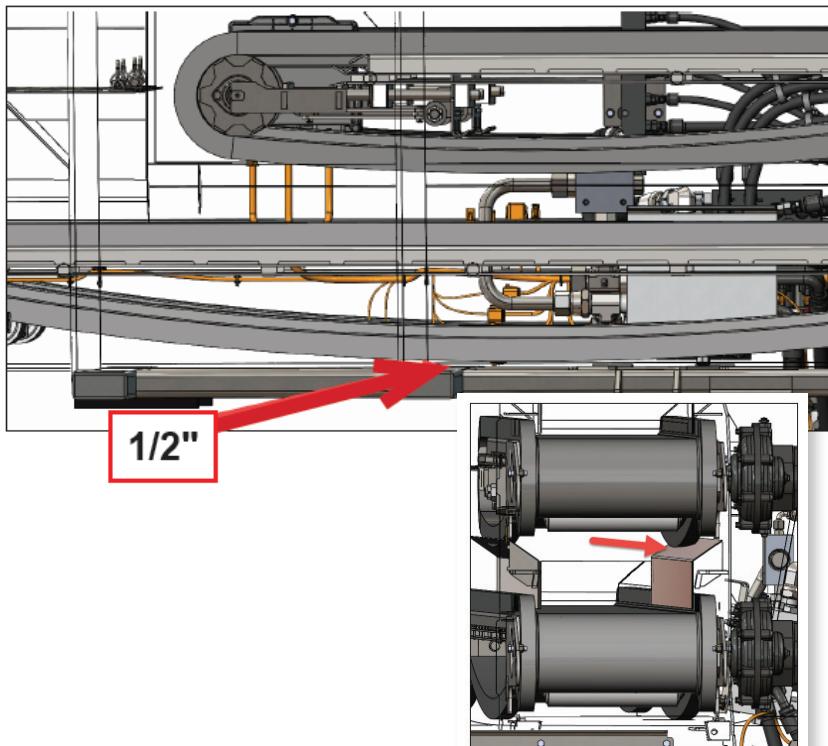
## Daily Inspections/Cleaning

- Belt Tension
- Waterfall Dividers
- Baseplate
- Chutes and Chute Bushing
- Spinner Overlays

## BELT TENSION

Check at the beginning of each season and periodically throughout the spreading season.

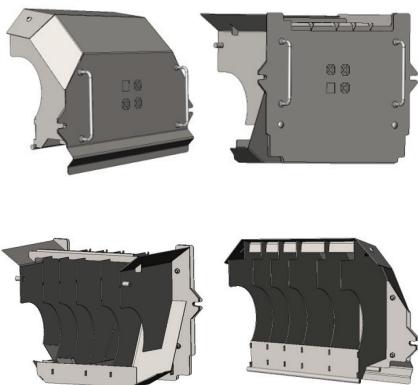
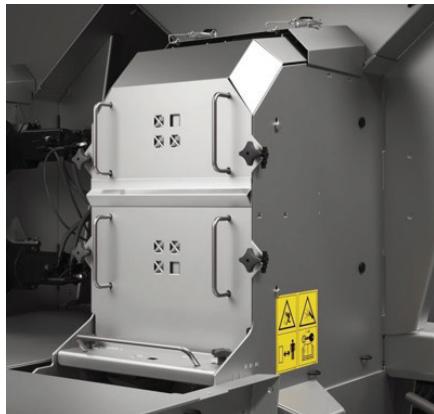
- **Bin 1 Conveyor Belts:** The lowest part of the lower conveyor belts should rest 1/2" above the bottom of the sills.
- **Bin 2 Conveyor Belts:** The lowest part of upper belt should touch the middle of the angled surface of the chain shield.



## WATERFALL DIVIDERS

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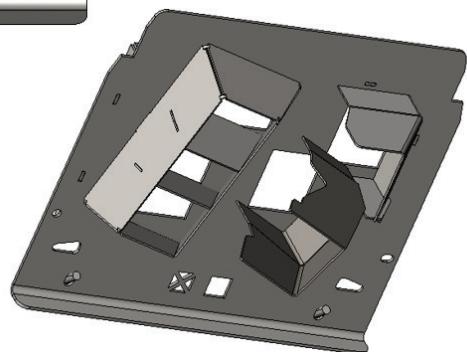
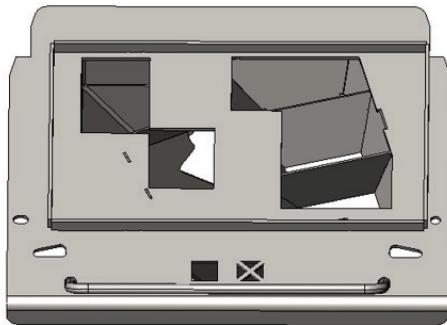
Inspect and clean daily



## BASEPLATES

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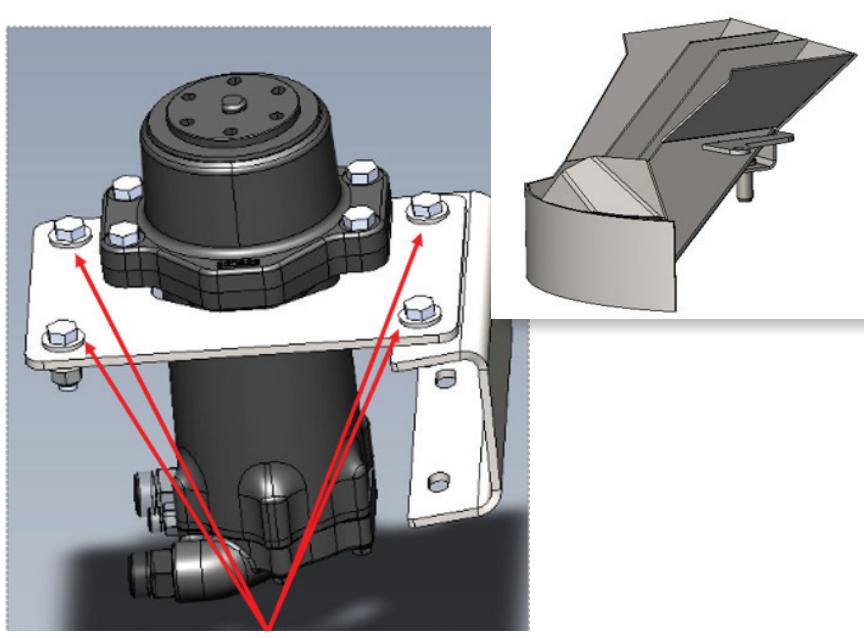
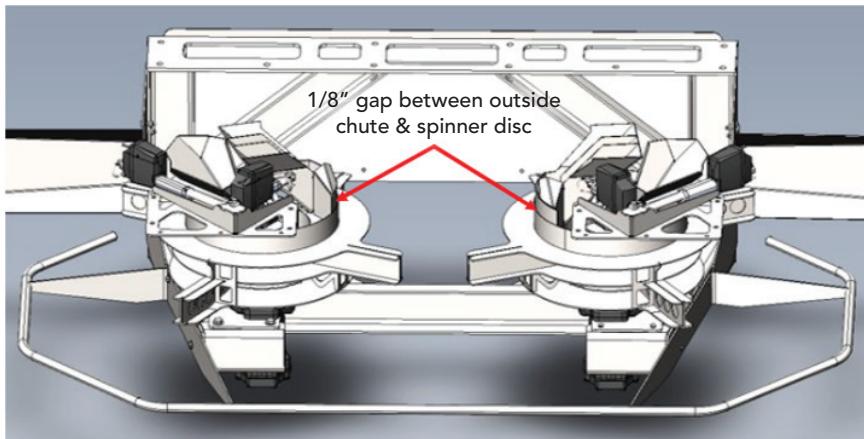
Inspect and clean daily



# Inspections/ Cleaning

## CHUTES

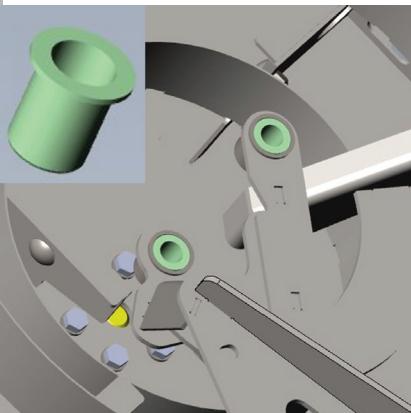
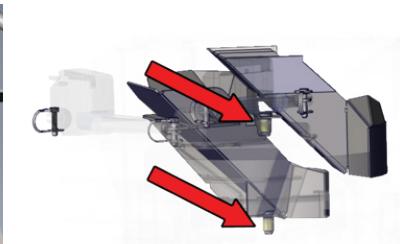
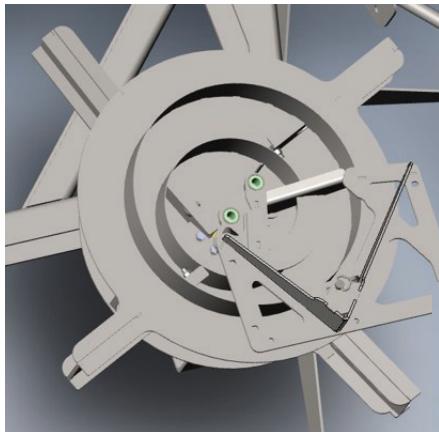
Inspect and clean daily. Check clearance at the beginning of each season and periodically throughout the spreading season.



Loosen to Adjust

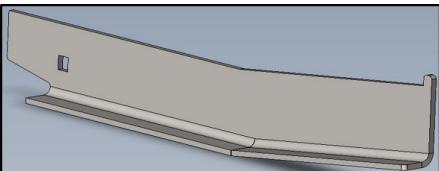
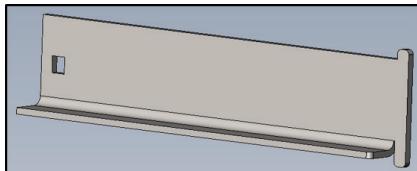
## CHUTE BUSHINGS

Check seasonally and replace as needed.



## SPINNER OVERLAYS

Inspect and clean daily. Replace any worn overlays when a hole is present.



**Important:** Overlays do not need to be replaced until a hole starts to develop in the material and only those overlays that do develop a hole need to be replaced.



Manufactured by

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