



**BOURGAULT**

**X30**

Monitor/Controller

INGENUITY.

SIMPLICITY.

DURABILITY.

 **TOPCON**  
Precision Agriculture

[www.bourgault.com](http://www.bourgault.com)

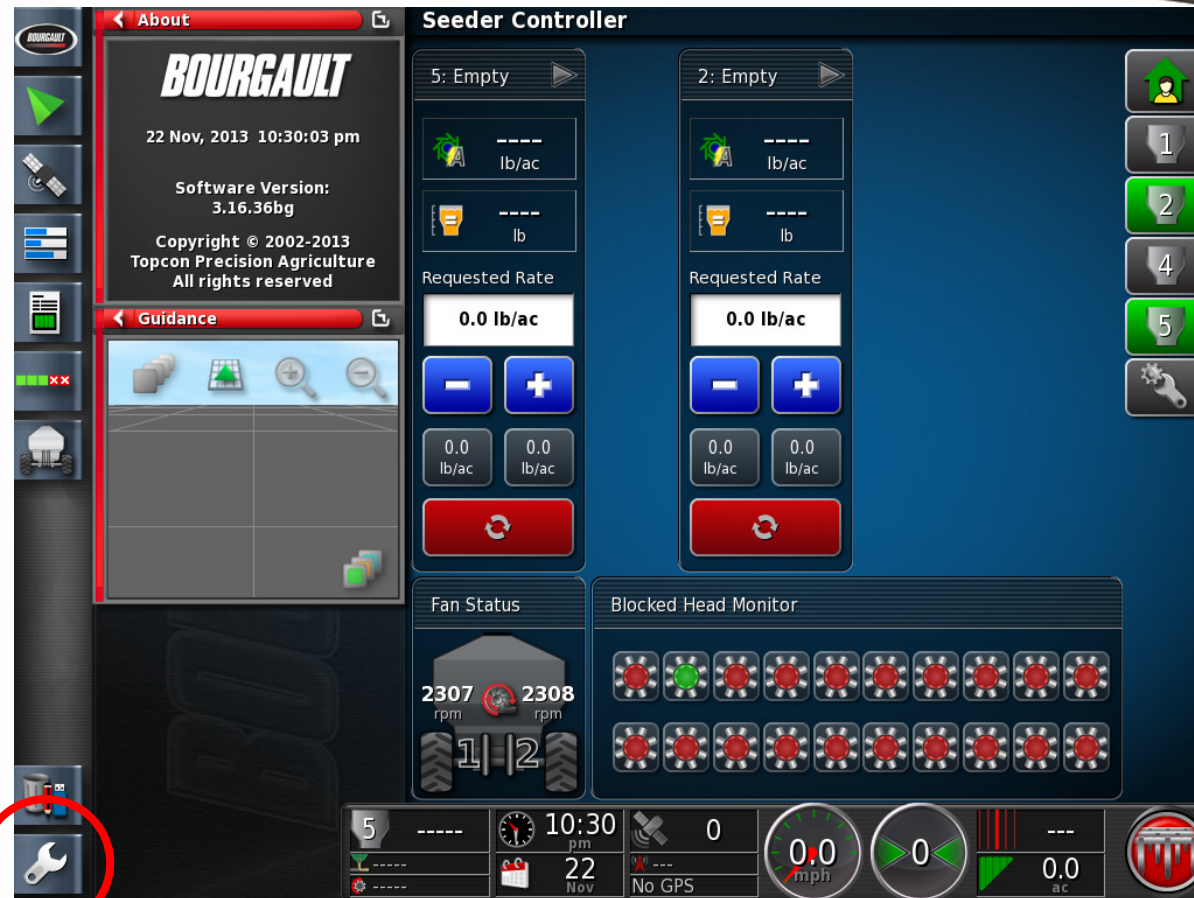




# Blockage

**The following pages outline the steps and procedures that are required to ensure the proper function of the blockage sensor when used with an X30 monitor.**

***NOTE: It will be required to have the drill connected to the tank and monitor to properly set up the blockage system.***



Enter SETUP by touching the wrench located in the lower left corner of the operation screen of the X30.

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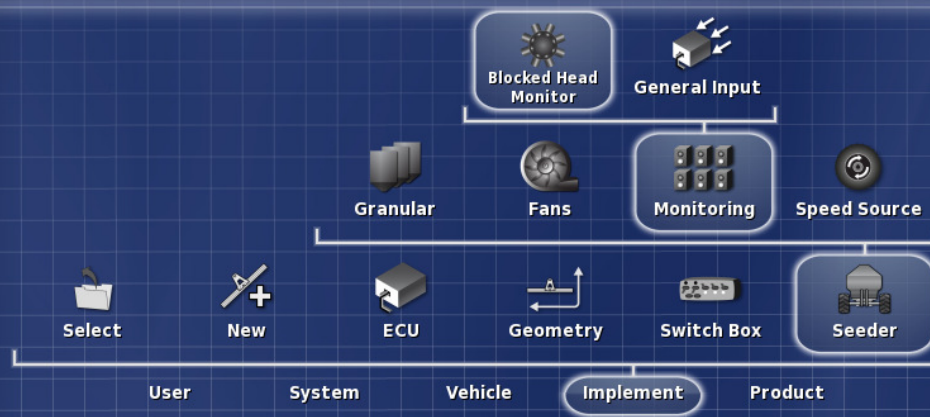
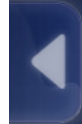
**X30**

Monitor/Controller

Blocked Head Monitor Setup - 7700 4TANK-MTRG-T5 2FAN\_3320-86 10SPCG HF



BLOCKED HEAD MONITOR  
Disabled



Select Implement/Seeder/Monitoring/Blocked Head Monitor

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Monitor/Controller

Blocked Head Monitor Setup - 7700 4TANK-MTRG-T5 2FAN\_3320-86 10SPCG HF



BLOCKED HEAD MONITOR  
Disabled



Disabled

Enabled



Enable the BLOCKED HEAD MONITOR the touch the green check

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Monitor/Controller

### Blocked Head Monitor Setup - 7700 4TANK-MTRG-T5 2FAN\_3320-86 10SPCG HF

 **BLOCKED HEAD MONITOR**  
Enabled

 **BLOCKED HEAD SENSOR TYPE**  
DICKY-john

 **HEAD MONITORING**  
Double Shoot

 **ENABLED HEAD SYSTEM**  
Seed and Fertiliser

 **NUMBER OF DISTRIBUTION HEADS**  
1|2|3 20

#### Seed Heads

SEED3 LH  
SEED4 LH  
SEED5 LF  
SEED6 RH  
SEED7 RH  
SEED8 RH  
SEED9 RH  
SEED10 RH

#### Fertiliser Heads


FERT3 RH  
FERT4 RH  
FERT5 RH  
FERT6 RH  
FERT7 RH  
FERT8 RH  
FERT9 RH  
FERT10 RH


Standard

DICKY-john




Detect and Assign Sensors


 **Blocked Head Monitor**

 **General Input**

 **Granular**

 **Fans**

 **Monitoring**

 **Speed Source**

 **Select**

 **New**

 **ECU**

 **Geometry**

 **Switch Box**

 **Seeder**

User

System

Vehicle

Implement

Product

Touch **BLOCKED HEAD SENSOR TYPE**, select **DICKY-john** and touch the green check.



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# X30


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## Blocked Head Monitor Setup - 7700 4TANK-MTRG-T5 2FAN\_3320-86 10SPCG HF

 **BLOCKED HEAD MONITOR**  
Enabled

 **BLOCKED HEAD SENSOR TYPE**  
DICKEY-john

 **HEAD MONITORING**  
Double Shoot

 **ENABLED HEAD SYSTEM**  
Seed and Fertiliser

 **NUMBER OF DISTRIBUTORS**  
1|2|3 20

### Seed Heads

SEED3 LH  
SEED4 LH  
SEED5 LF  
SEED6 RH  
SEED7 RH  
SEED8 RH  
SEED9 RH  
SEED10 RH

### Fertiliser Heads

FERT3 RH  
FERT4 RH  
FERT5 RH  
FERT6 RH  
FERT7 RH  
FERT8 RH  
FERT9 RH  
FERT10 RH

Single Shoot

Double Shoot



Detect and Assign Sensors



Select

New

ECU

Geometry

Switch Box

Seeder

User

System

Vehicle

Implement

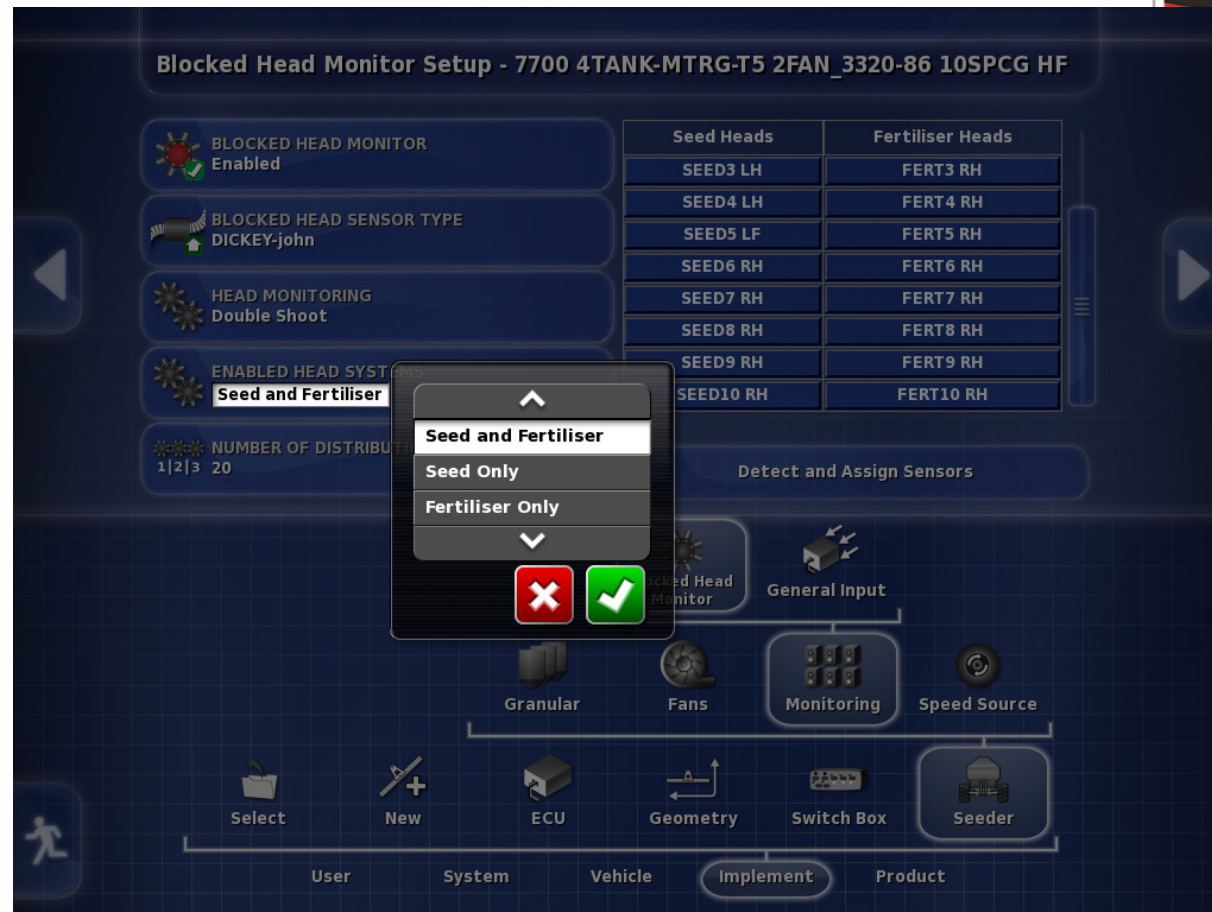
Product

If you have blockage sensors on both seed and fertilizer runs select Double Shoot and if only on seed runs select Single Shoot.

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Monitor/Controller



Touch ENABLED HEAD SYSTEMS and select which runs to be monitored.

*NOTE: If not using either seed or fertilizer runs you would disable it here to avoid unwanted alarms.*



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Monitor/Controller

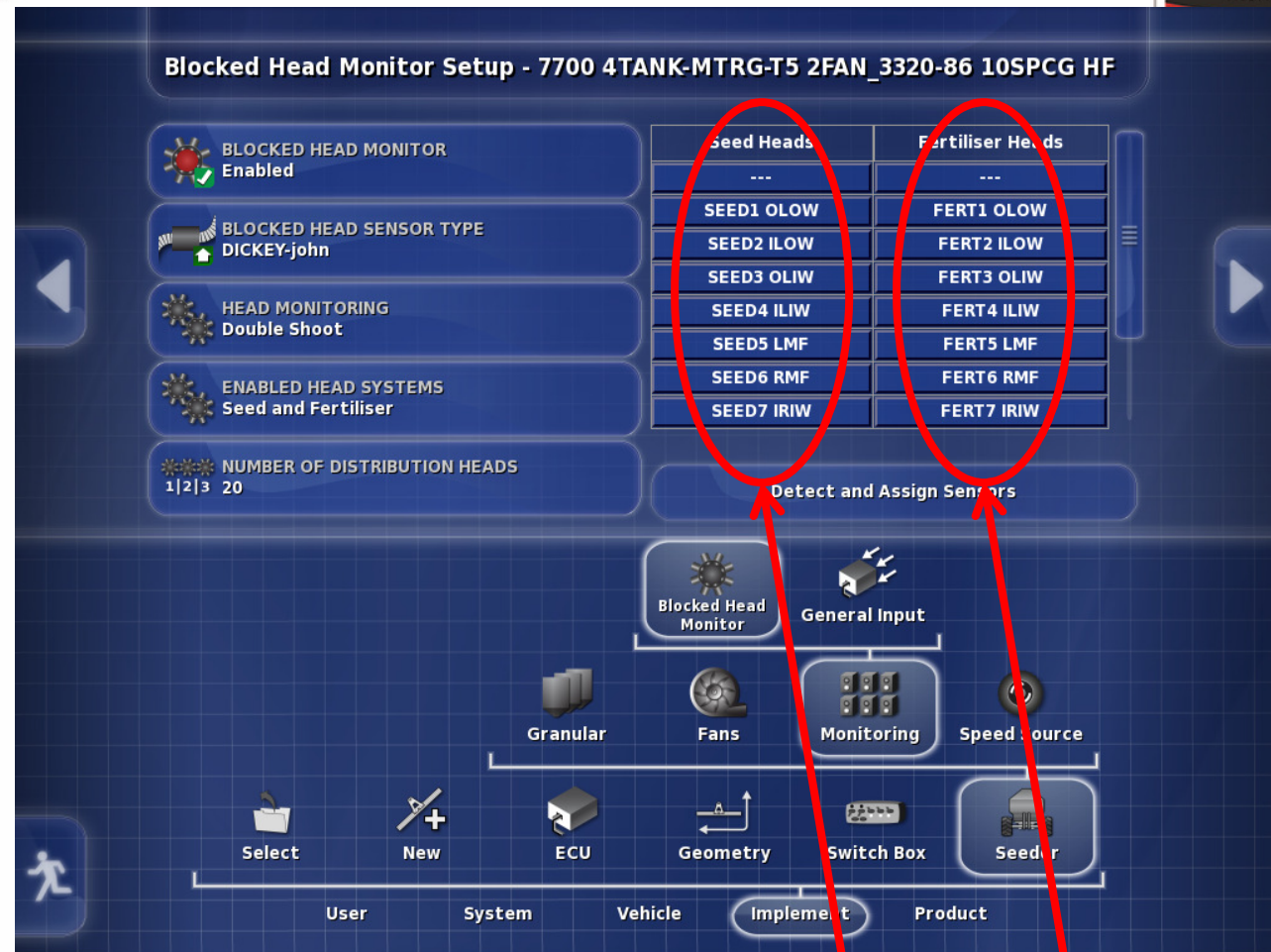


Touch NUMBER OF DISTRIBUTION HEADS and enter the number of SENSORS. *Bourgault systems would normally have one sensor per secondary manifold. The example shown above would be for a 10 port double shoot system found on an 86' 3320 @ 10" with MRB's*

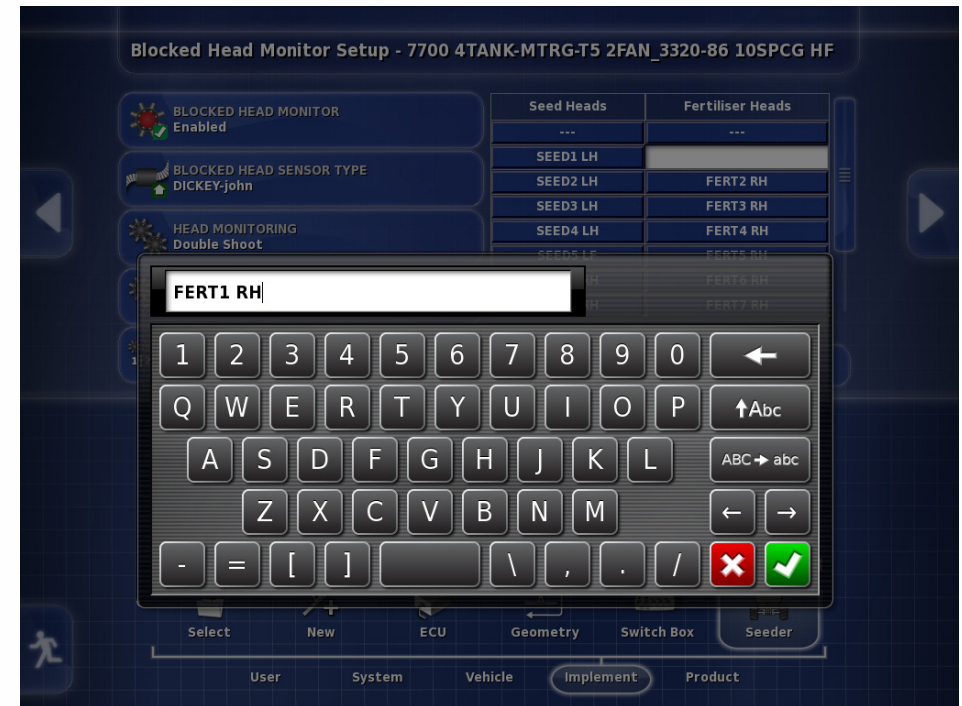
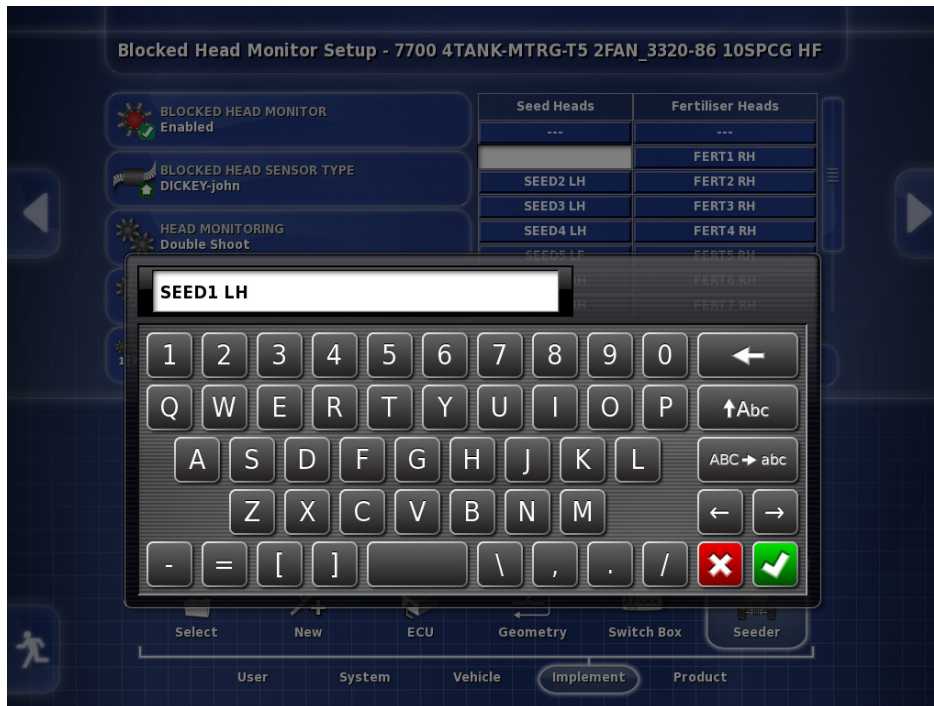
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You can and should rename the seed and fertilizer heads by touching each of them from this screen.



When renaming the Distribution Heads keep in mind that #1 seed head is on the left side and #1 fertilizer head is on the right side. A 10 port double shoot system would have sensors 1 thru 10 for the seed and 11 thru 20 for the fertilizer.



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**X30**

Monitor/Controller

Blocked Head Monitor Setup - 7700 4TANK-MTRG-T5 2FAN\_3320-86 10SPCG HF

 **BLOCKED HEAD MONITOR**  
Enabled

 **BLOCKED HEAD SENSOR TYPE**  
DICKEY-john

 **HEAD MONITORING**  
Double Shoot

 **ENABLED HEAD SYSTEMS**  
Seed and Fertiliser

 **NUMBER OF DISTRIBUTION HEADS**  
1|2|3 20

Seed Heads

Fertiliser Heads

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SEED1 LH

FERT1 RH

SEED2 LH

FERT2 RH

SEED3 LH

FERT3 RH

SEED4 LH

FERT4 RH

SEED5 LF

FERT5 RH

SEED6 RH

FERT6 RH

SEED7 RH

FERT7 RH

Detect and Assign Sensors


 **Blocked Head Monitor**

General Input

Granular

 Fans

 Monitoring

 Speed Source

 Select

 New

 ECU

 Geometry

 Switch Box

 Seeder

User

System

Vehicle

Implemen

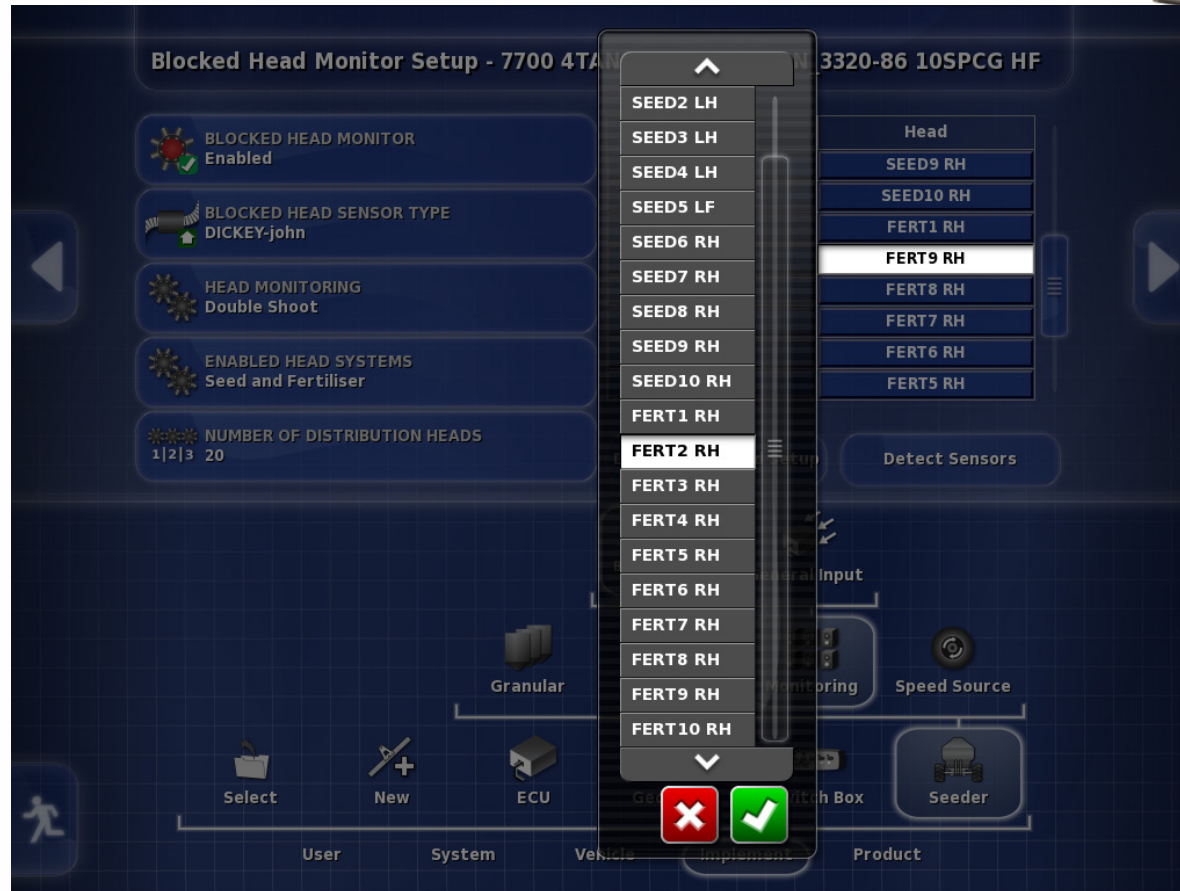
Product

After naming all of the Distribution Heads you will have to touch Detect and Assign Sensors

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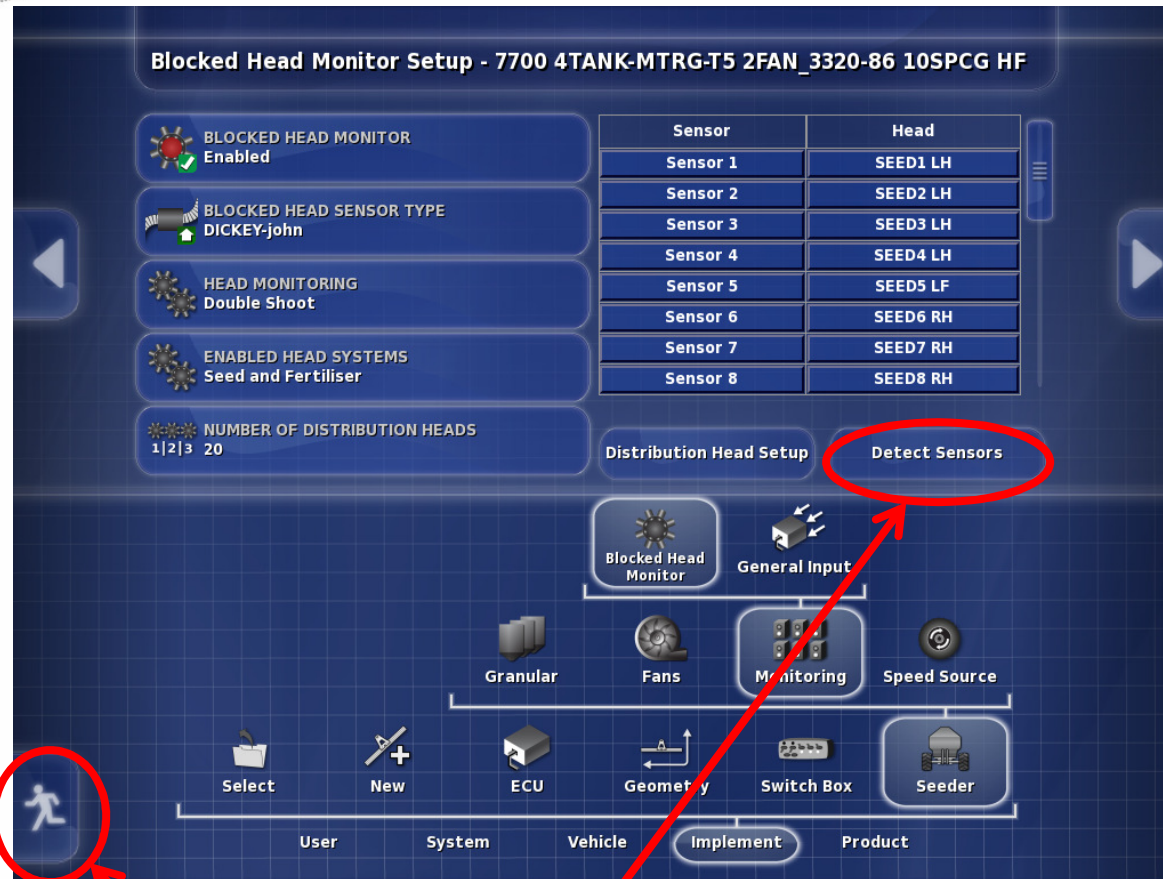


You will now be required to assign each sensor to a Distribution Head, touch the sensor for that location then touch the green check

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Monitor/Controller



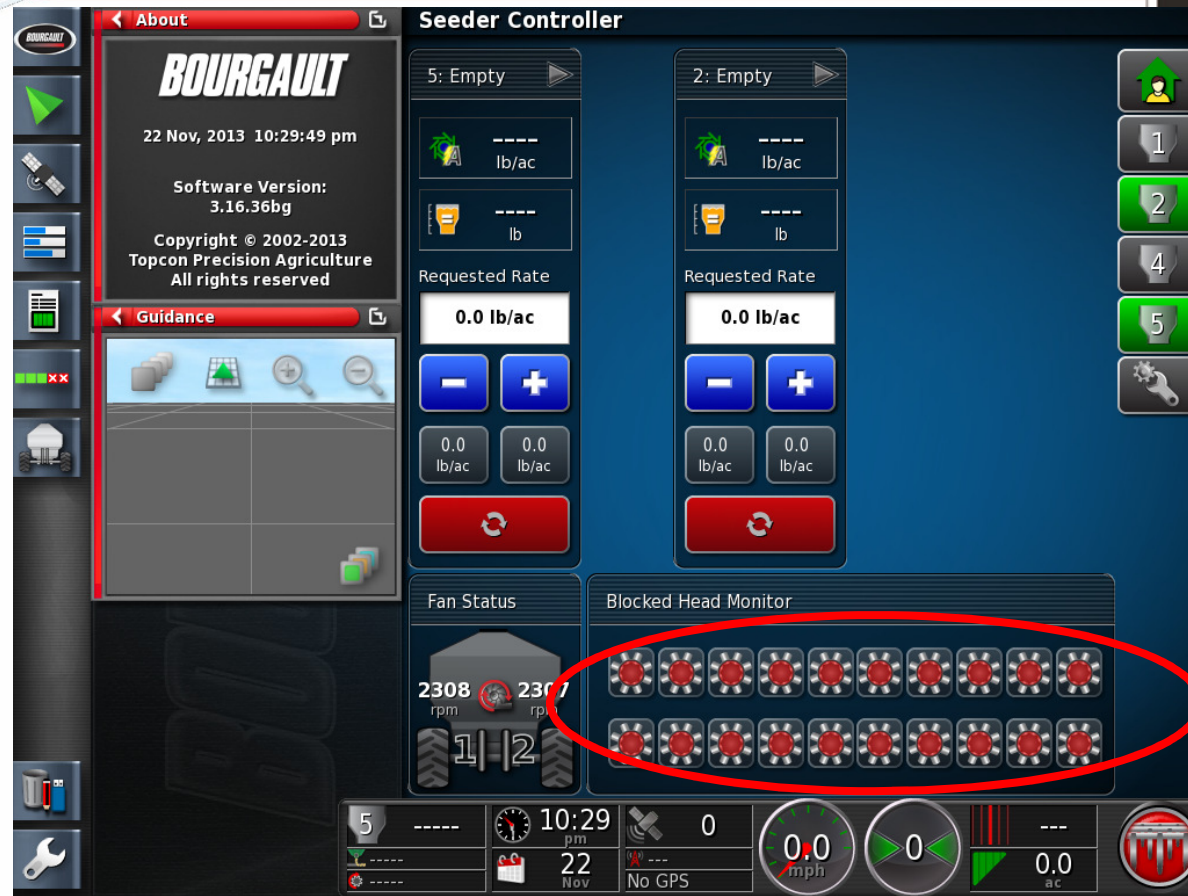
You should scroll through the sensors and heads to verify the labels then touch Detect Sensors. After the detection is complete touch on the Running Man to go back to the operating screen.



# BOURGAULT

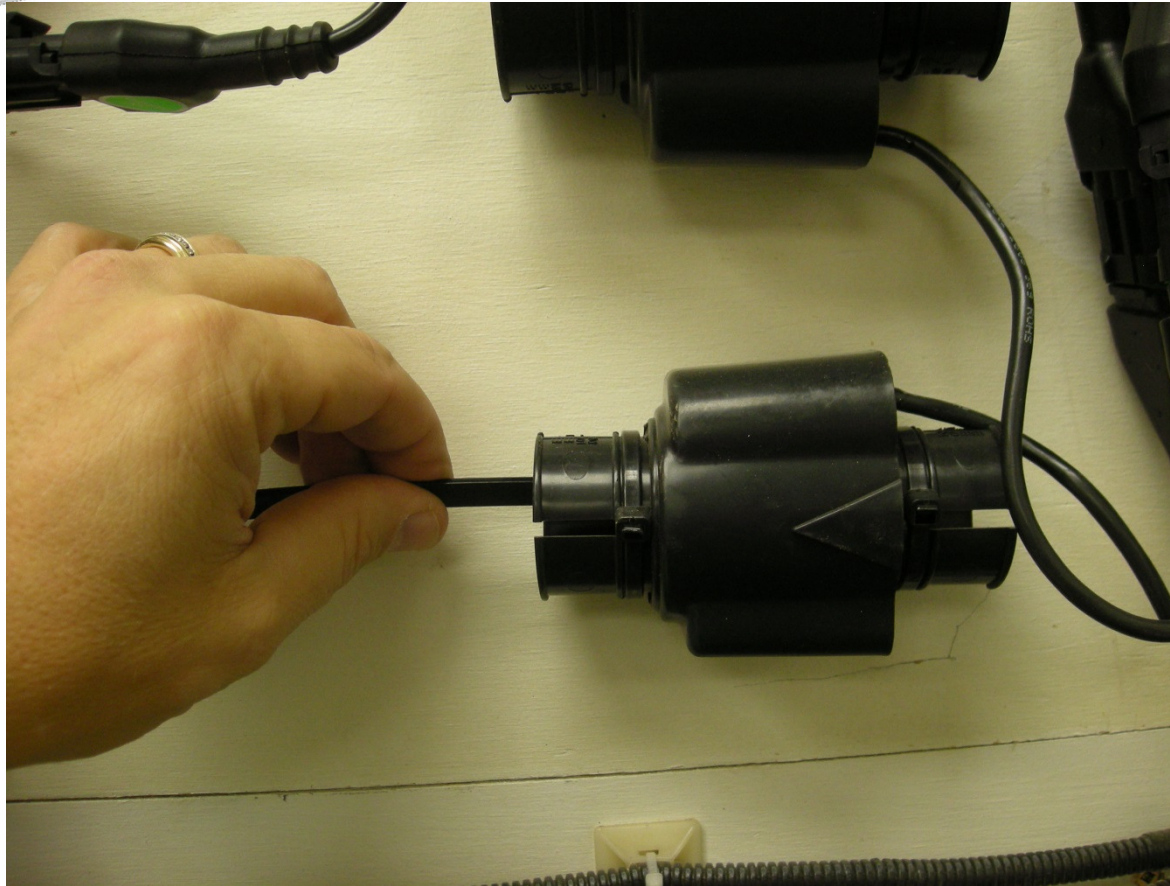
# X30

Monitor/Controller

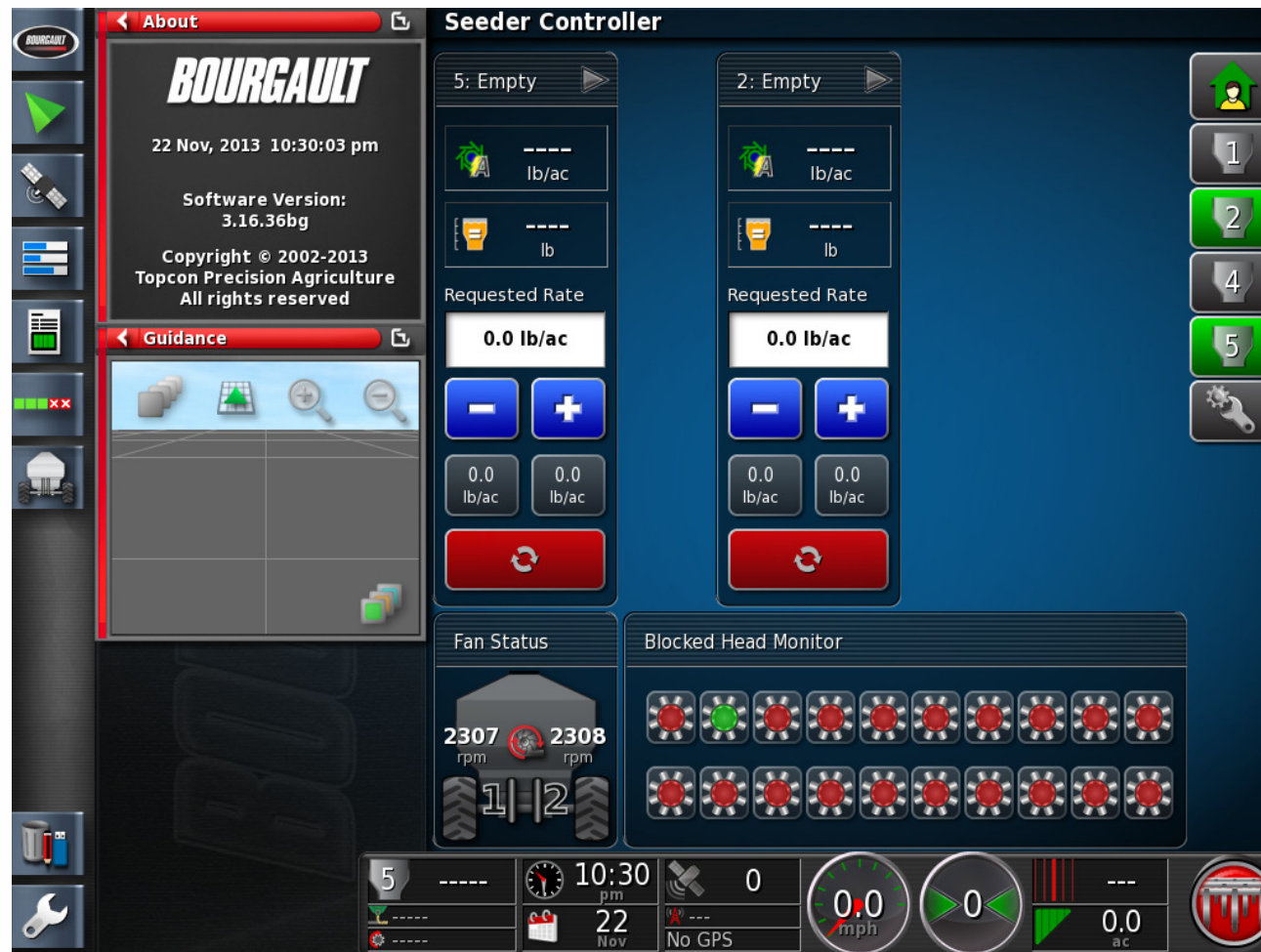


With no product moving through the sensors all of the distribution heads will be red as shown above.

*Shown is a 10 port double shoot system with 20 heads.*



A reliable way to test function/location of each sensor is to remove one of the hoses and tap an object such as a zip tie in the sensor to simulate product moving through the hose.



The icons turn green when there is product moving through the sensor.



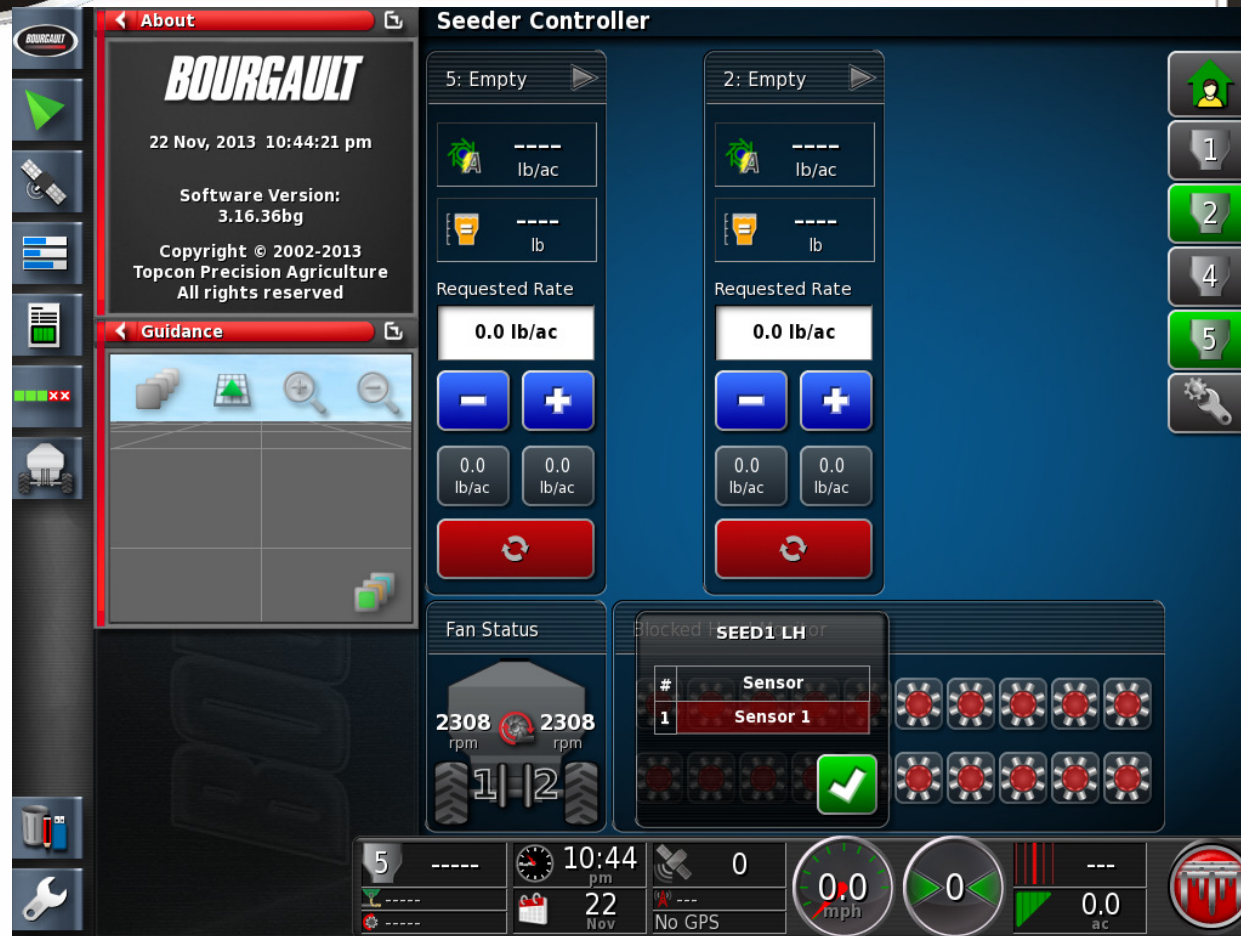


To verify the location touch on Green Icon to expand it and see the sensor assigned to it.

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To check a blocked run you touch head icon that has turned red to see where it is located.