



## **Greenstar II to Topcon X20 connections and settings.**

**(with a single point connector on a Starfire 3000 receiver)**

- the following pages show the connections and settings to allow the X20 to use the GPS signal from the **Greenstar II**.
- GPS signal is needed for Variable Rate Control, Section Control and/or Guidance.



**HOW TO INSTALL JOHN DEERE PF90350 GPS RECEIVER HARNESS TO 3<sup>rd</sup> PARTY  
CONTROLLER FOR GPS SIGNAL ON SINGLE POINT STARFIRE CONNECTOR**



# 2011



- REQUIRED EQUIPMENT**

- FEMALE/FEMALE CONNECTOR PFP10470**

- (COMES WITH SINGLE POINT STARFIRE 3000 RECEIVER)

- MALE/MALE CONNECTOR PF80722**

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**CONNECT FEMALE TO  
FEMALE PFP10470 TO THE  
RECEIVER SINGLE POINT  
PLUG**





**CONNECT MALE/MALE  
CONNECTOR PF80722  
INTO THE FEMALE  
CONNECTOR ON THE  
PF90350 GPS SPEED  
CABLE**



**CONNECT THE  
MALE/MALE PF80722  
CONNECTOR INTO THE  
FEMALE PLUG ON THE  
ROOF OF THE  
TRACTOR**





**FOLLOW THE STEPS ON  
THE FOLLOWING PAGES  
TO SETUP THE DISPLAY  
BAUD RATE TO 38400  
AND 10Hz ON BOTH THE  
RECEIVER SETTINGS  
AND THE X20 SETTINGS**

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## WARNING

Automatic Guidance System detected. Activating a guidance system on roadways may cause loss of vehicle control.

To avoid death or serious injury, disable the guidance system before entering roadways.

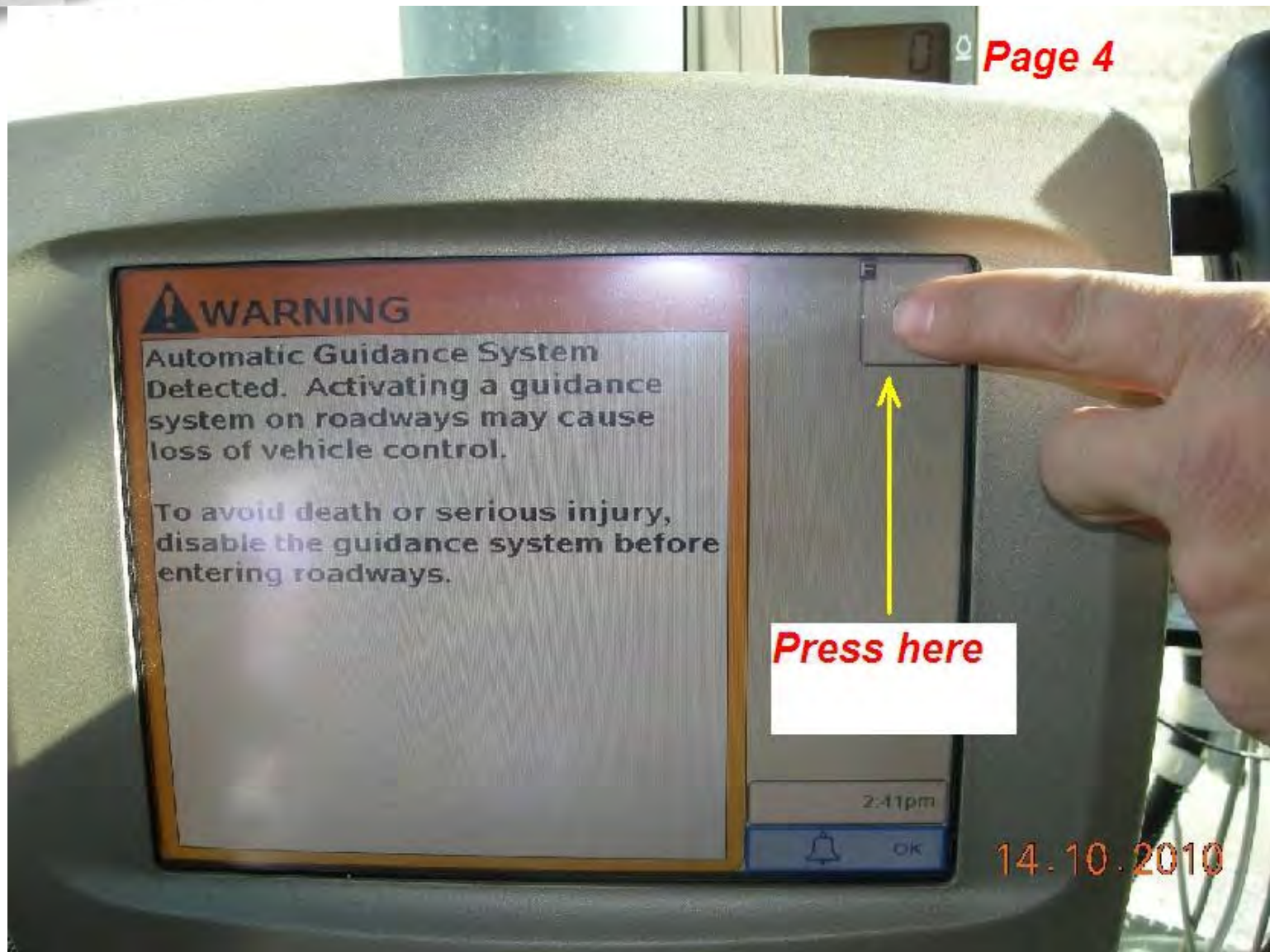
**Power up  
Greenstar II  
monitor**

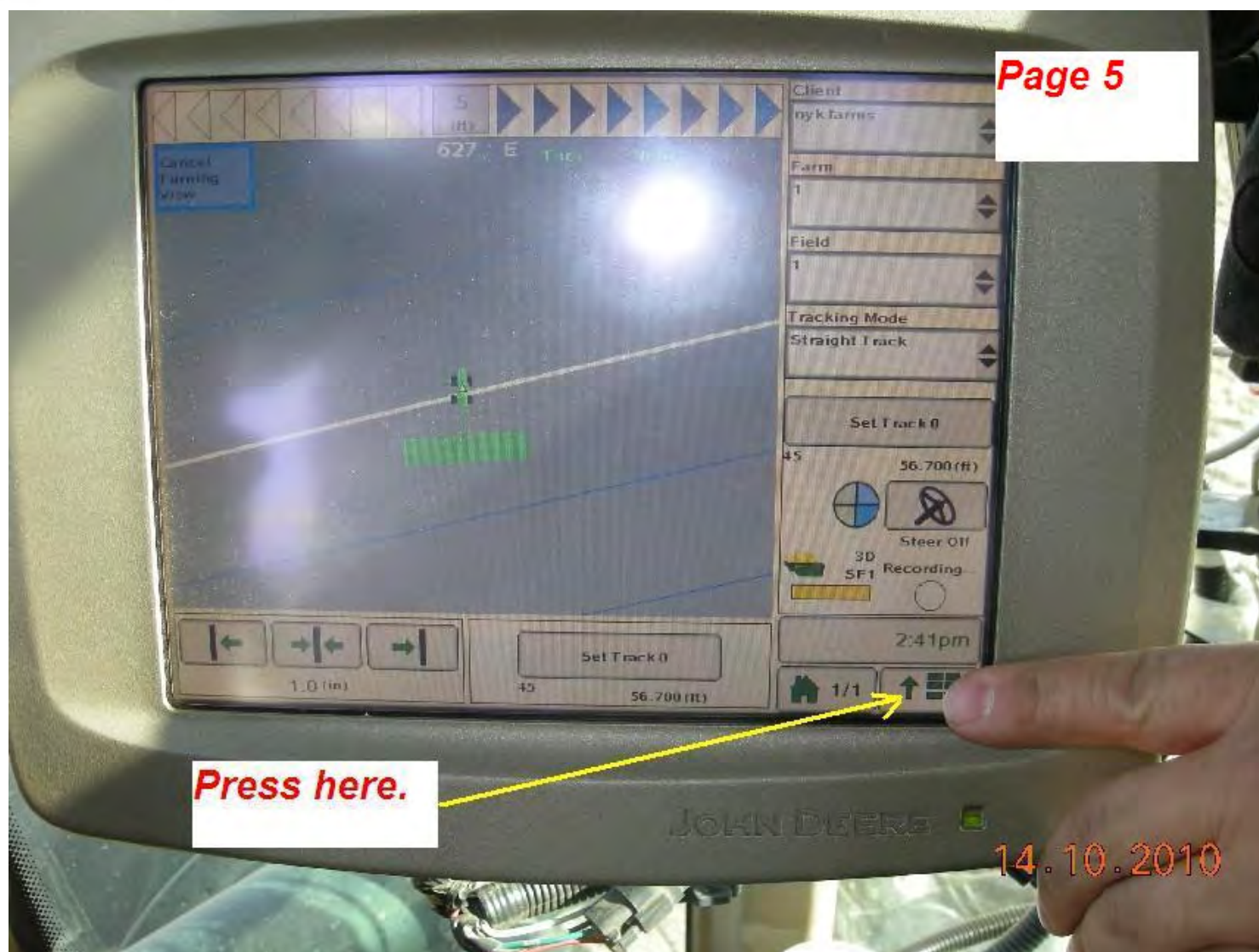
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Press Starfire  
iTC Machine



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Press Serial Port



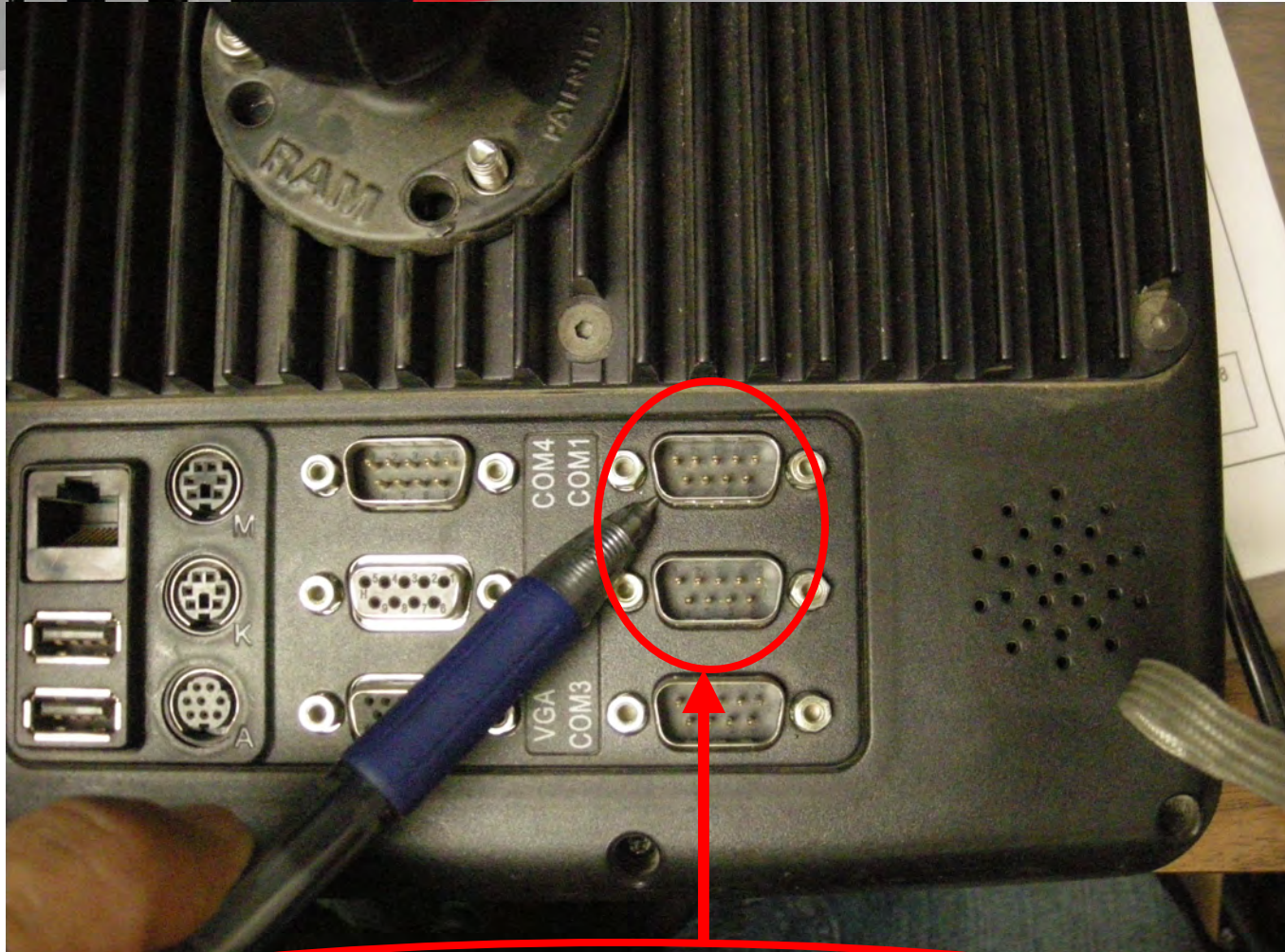
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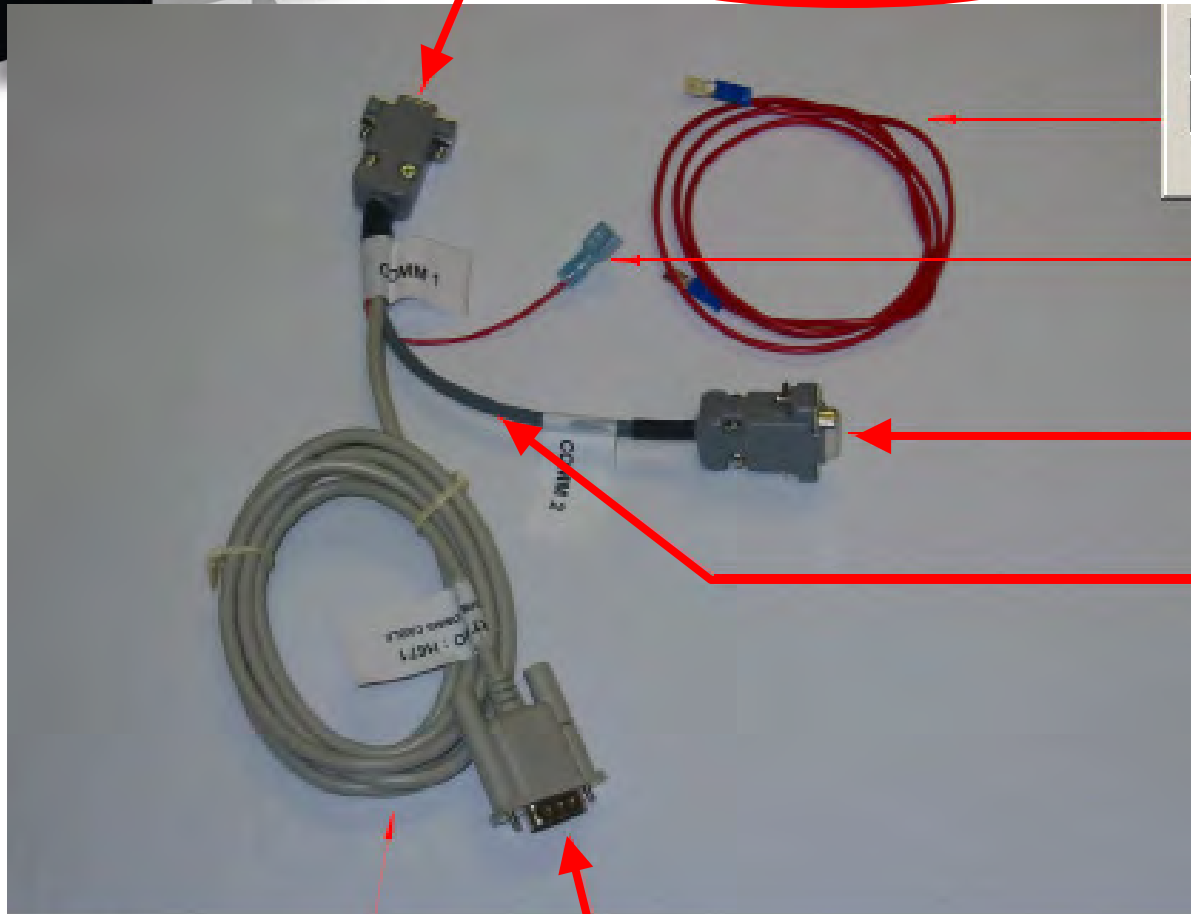
**You must plug the serial port Y cable (3131-07) that comes from the Greenstar II into COM1 and COM2 located on the X20 here.**

**(See next page)**





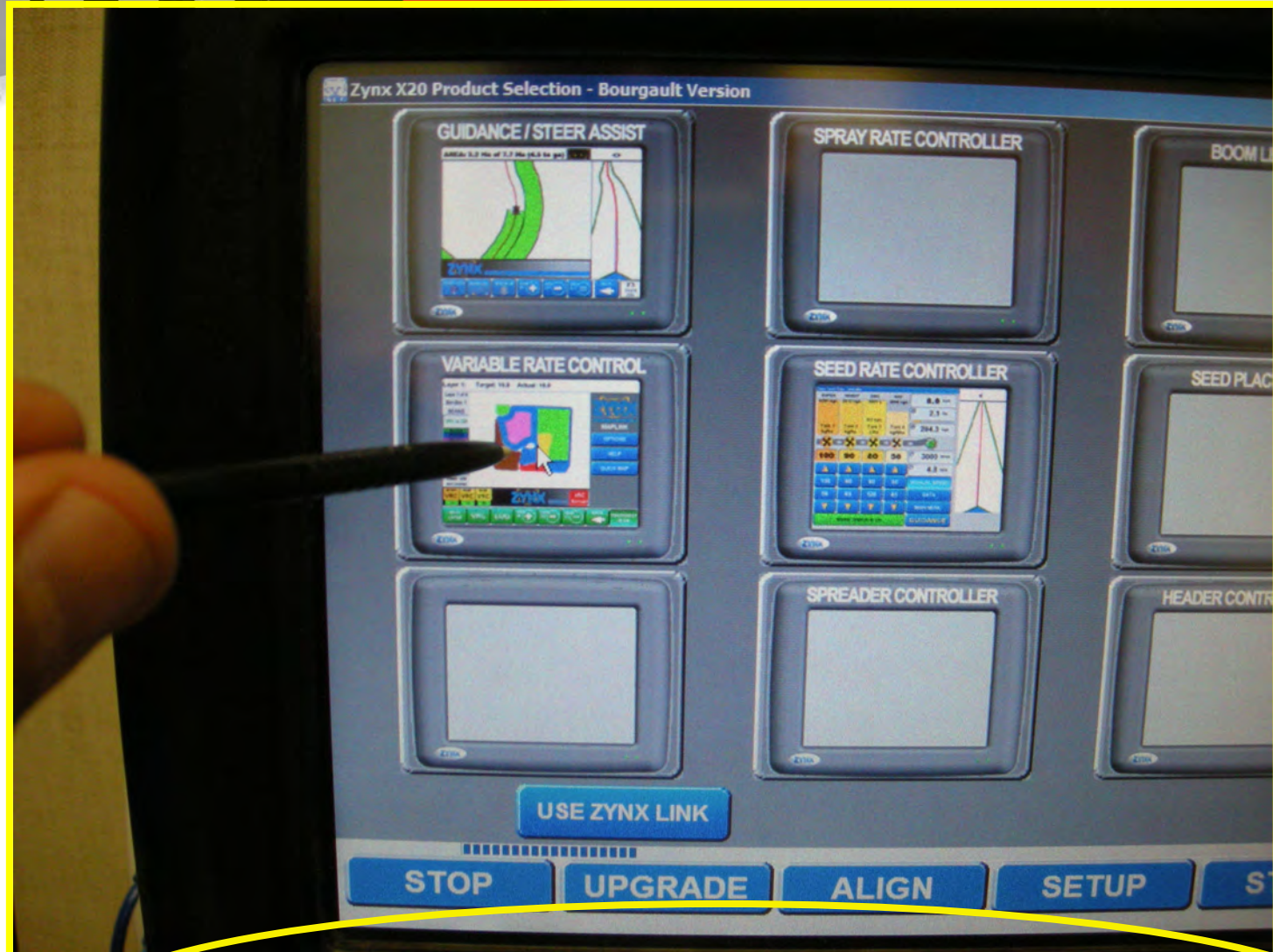
To COM1 port of X20



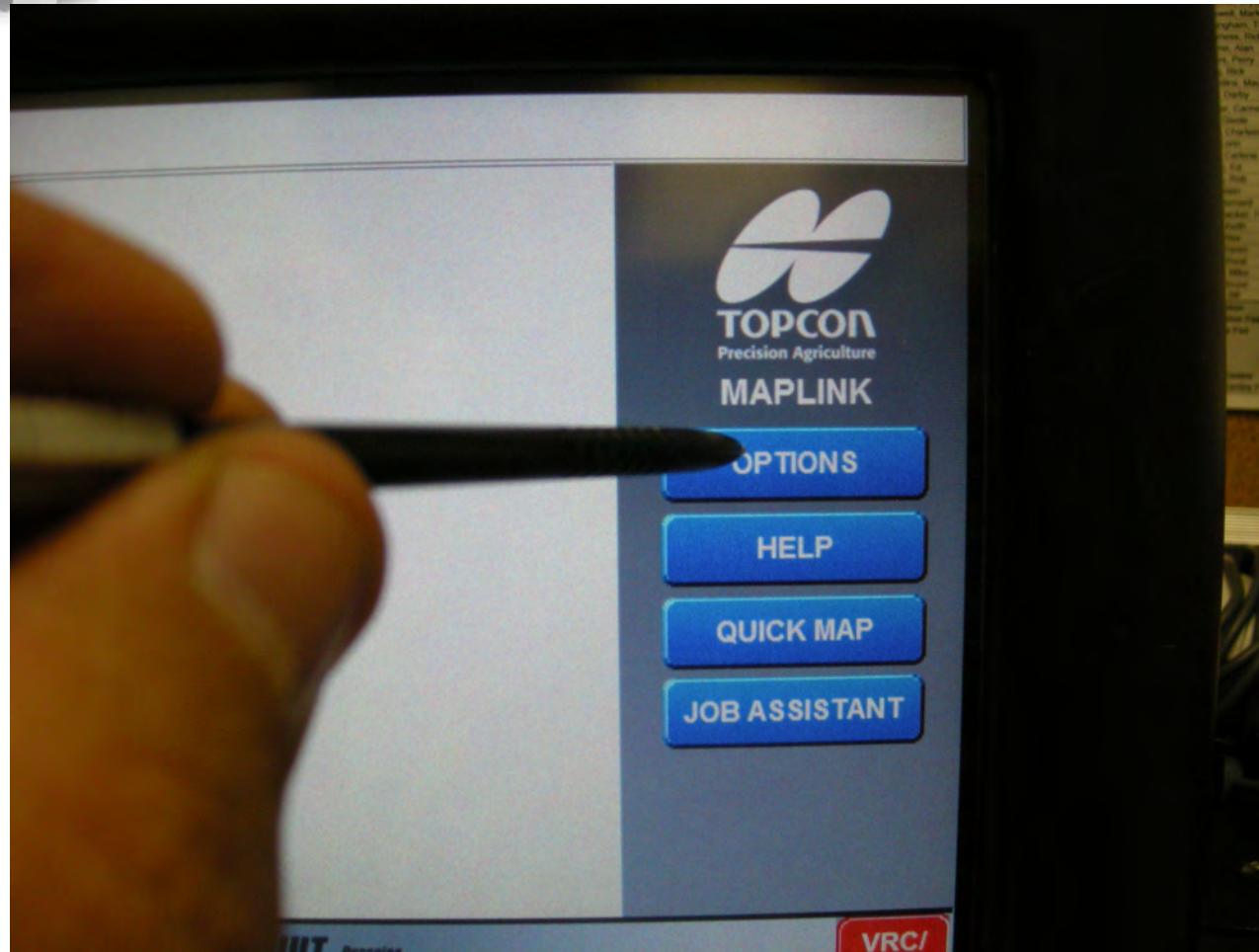
To COM2 port of X20

3131-07 Y cable

To GPS Receiver

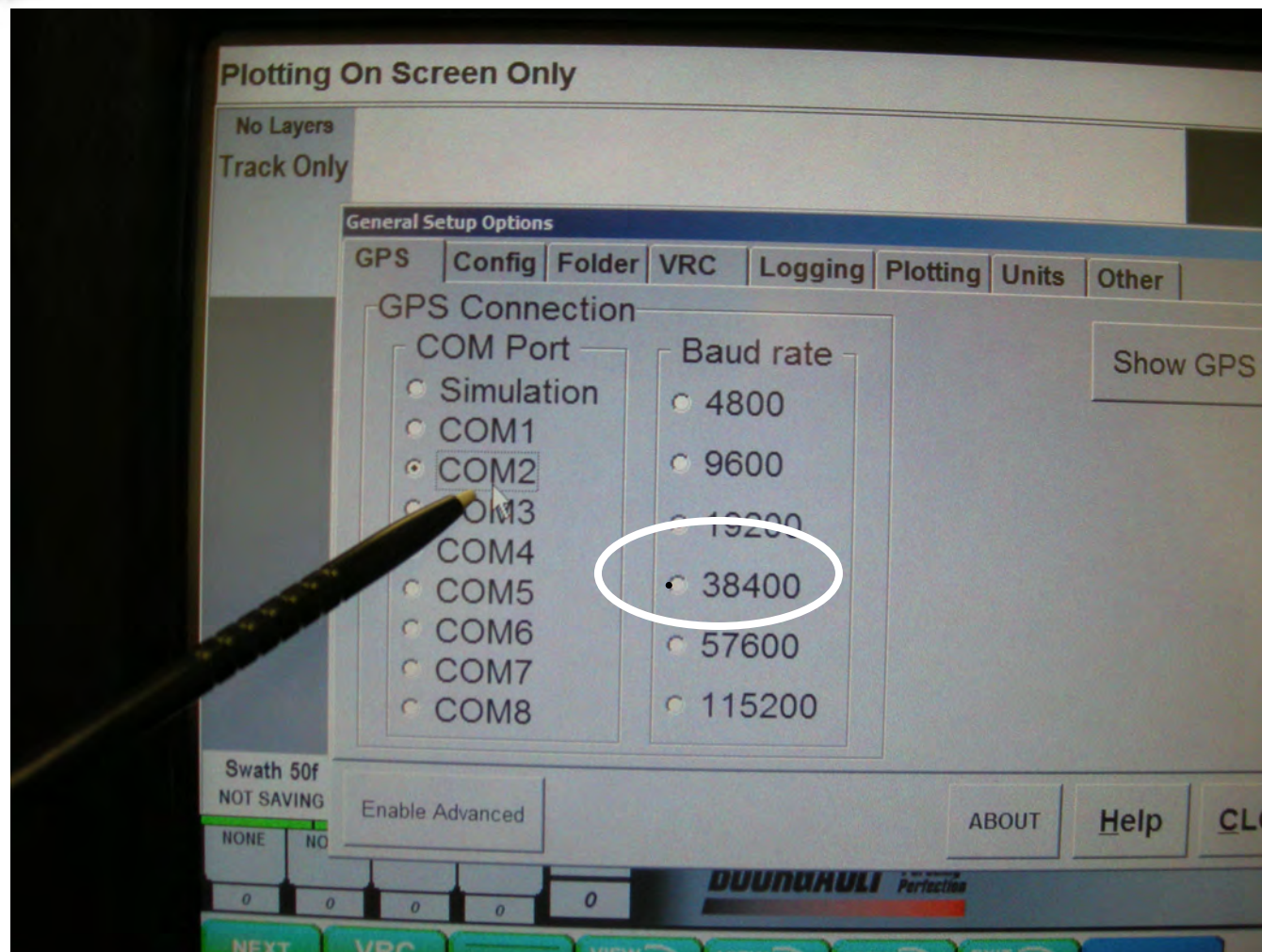


**Select Guidance/Steer, Variable Rate Control and Seed Rate Control when starting the X20.**

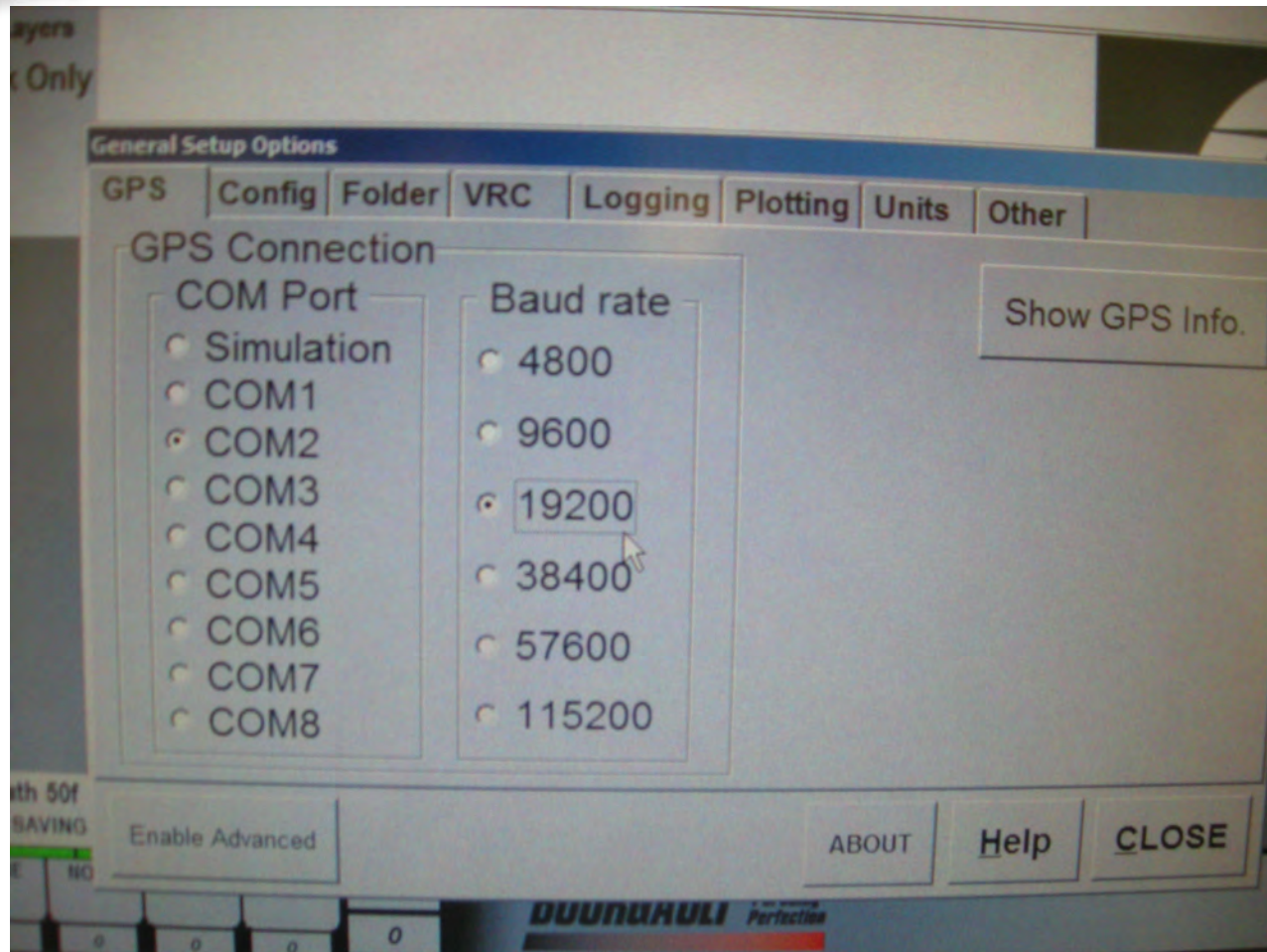


•Touch the Options tab in Maplink





**Select COM2 to match where the Maplink serial cable is connected to on the back of the X20**



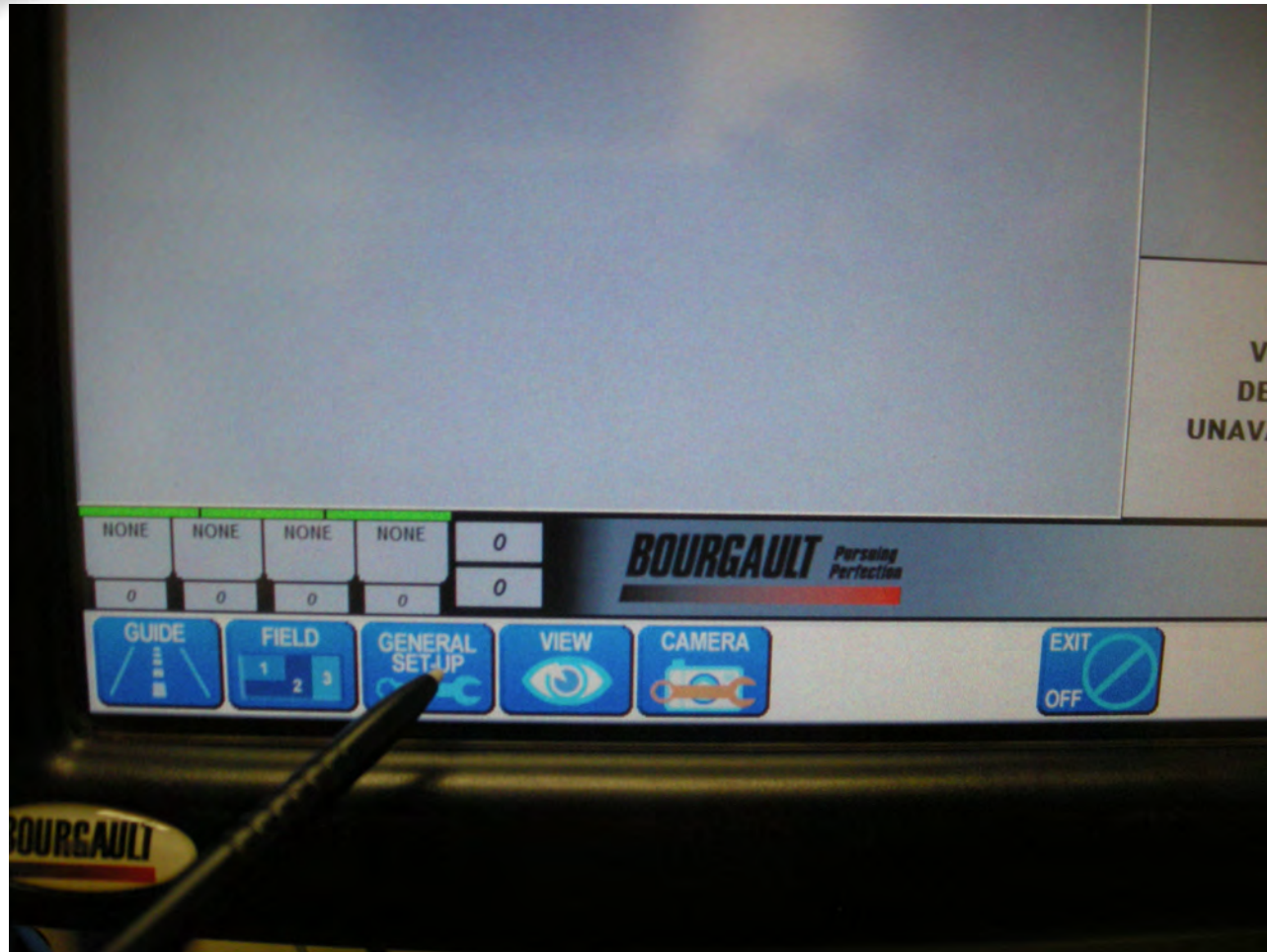
**The Baud rate must match the Baud rate you have selected in your Greenstar II. It can be either 19200 or 38400, the picture above shows that 19200 is selected.**



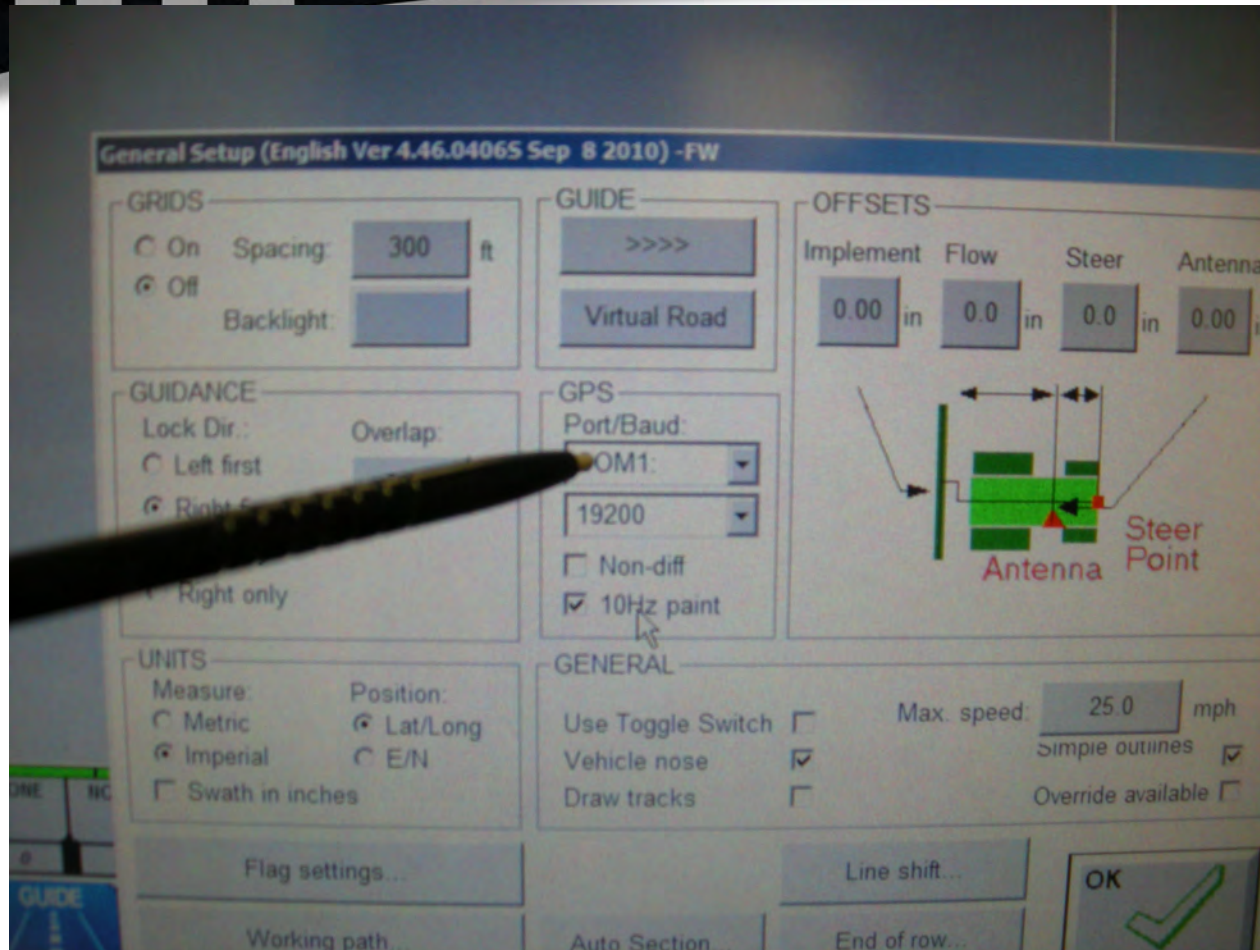
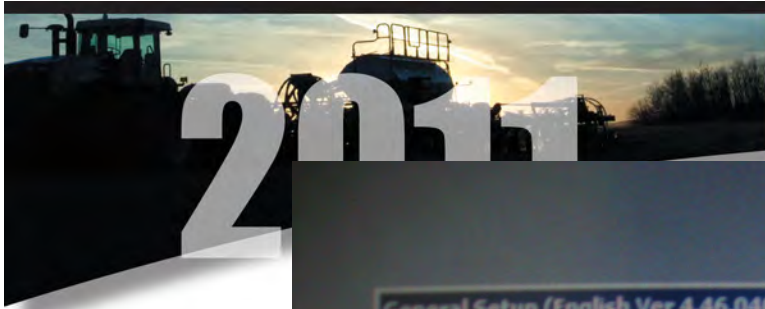


Select the **VRC/Guide** tab to cycle between Maplink and Guidance.



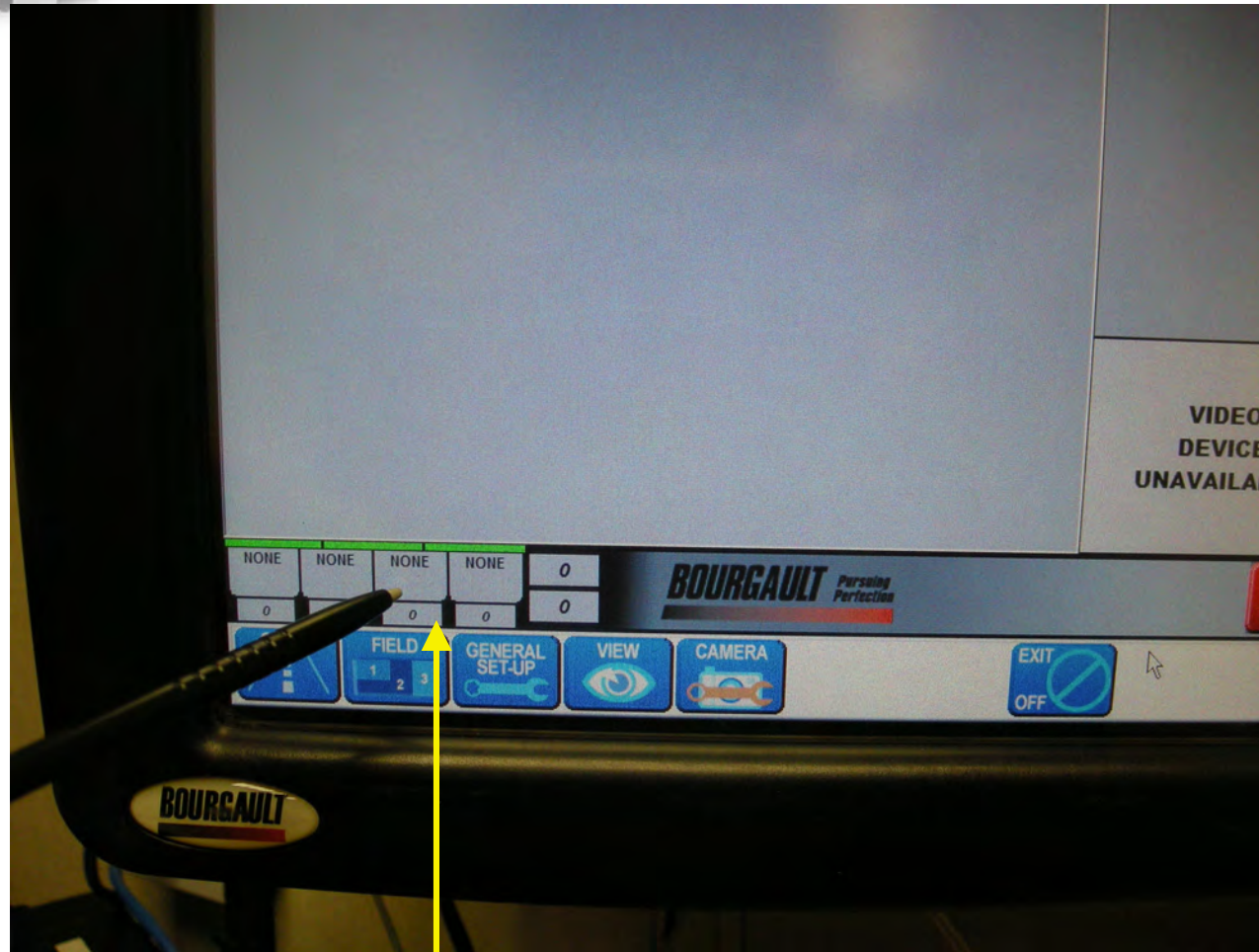


**Select General Set-up in the Guidance program.**



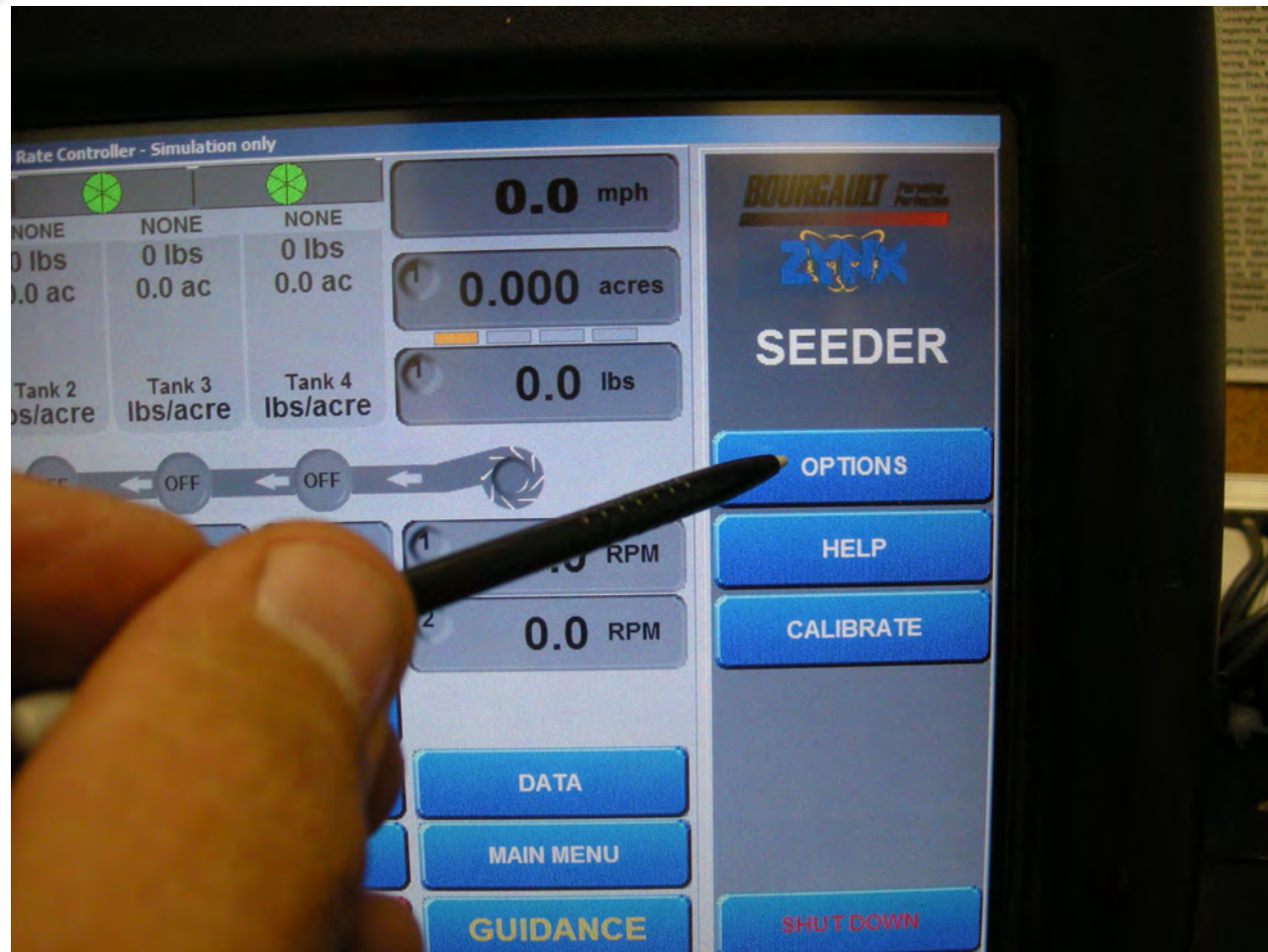
**Always select COM1 for guidance which should be where the serial cable from the Greenstar II is connected to at the back of the X20.**

**The Baud rate must match the one selected in the Greenstar II.**

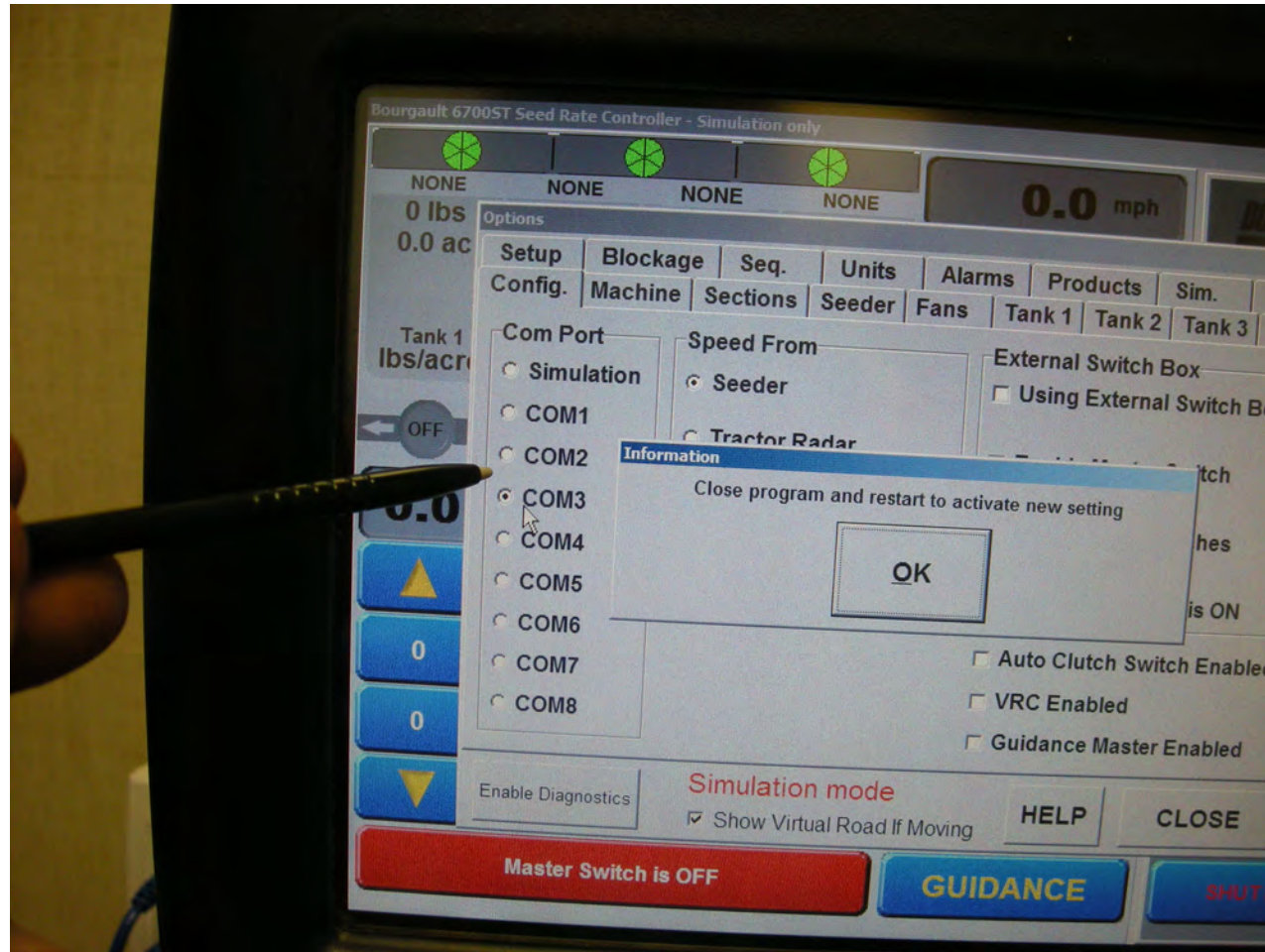


**Touch the screen in this location to access the Seed Rate Controller program.**



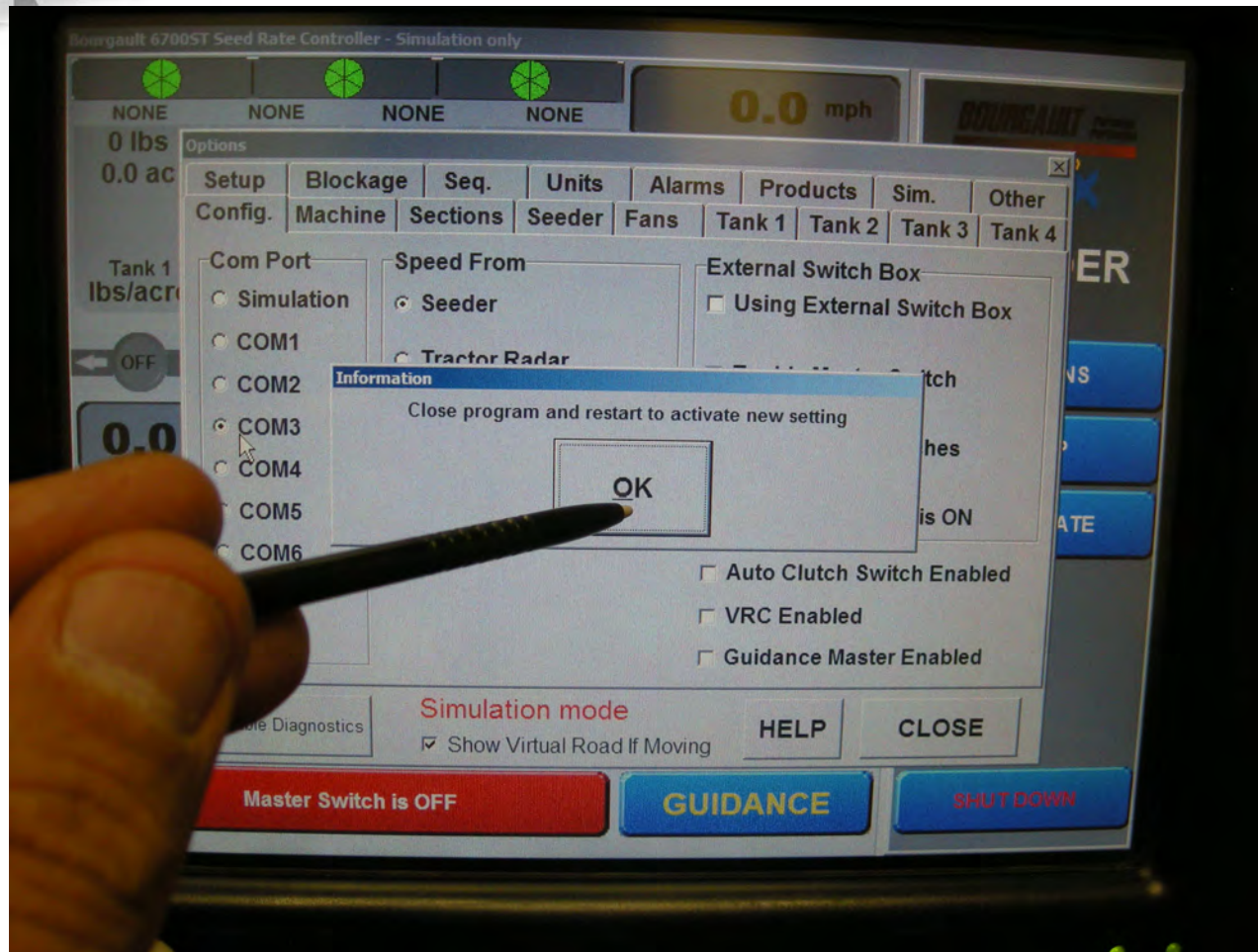
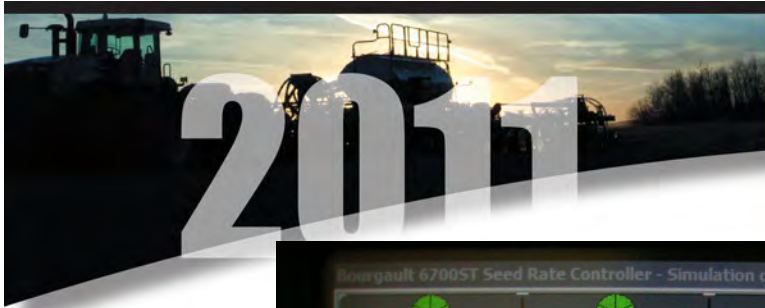


Select Options in the Seed Rate Controller program.



**Select Com3 which matches the Com port the SRC serial cable is connected to at the back of the X20.**





**To lock in the new COM settings you must close the program**