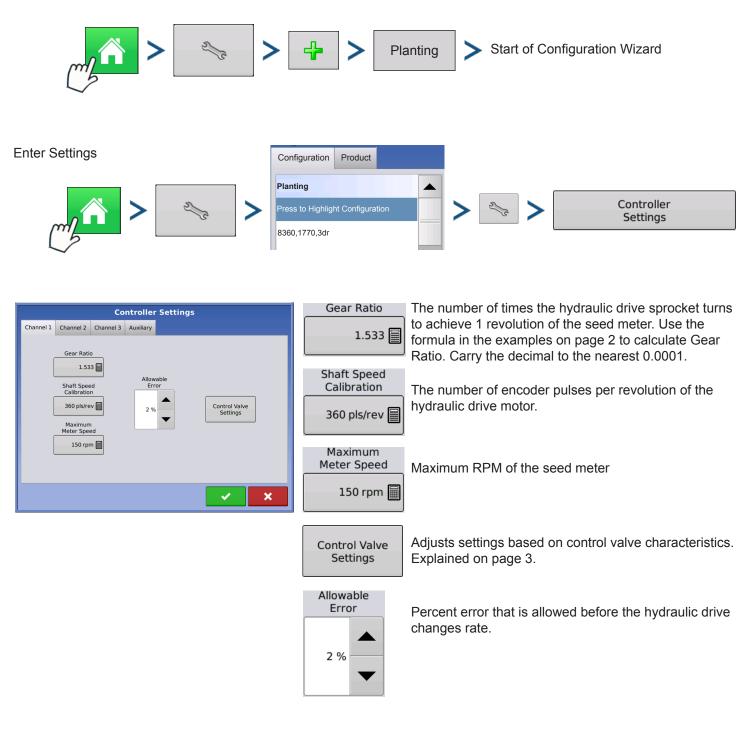
Leader Hydraulic Seed Control

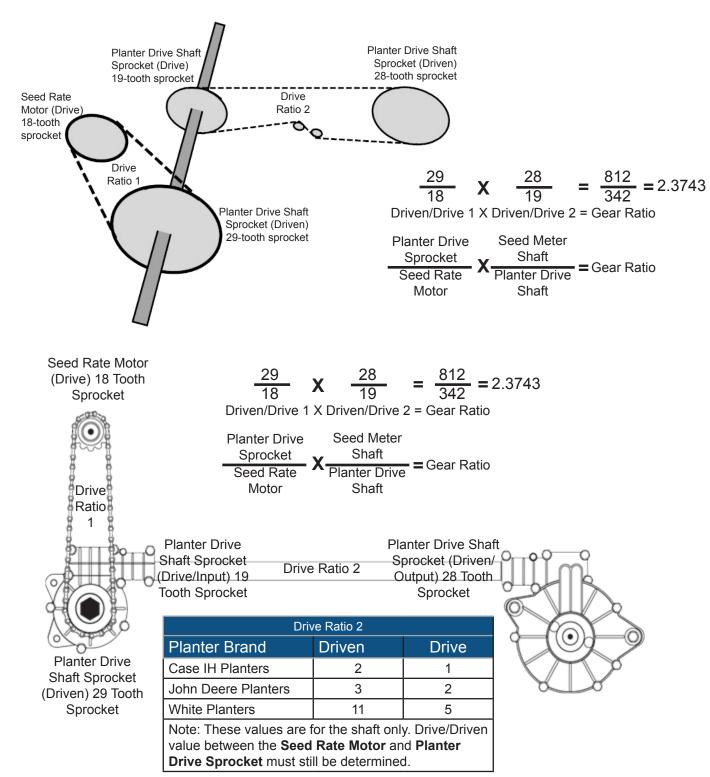
To create a configuration, make the following button presses to start the Configuration Wizard and then follow the instructions given on the display.



/ERSA

<u>Ag Leader</u> Hydraulic Seed Control

Calculating Gear Ratio



If determining shaft ratios for any shaft not listed in the table above, rotate input shaft (driver) 10 times. Count how many times the output (driven) shaft turns. Divide number of turns of the input shaft by the number of turns of the output shaft.

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Guide

Quick Reference

Divide number of turns of the input shaft by the number of turns of the output shaft.

input shaft revolutions output shaft revolutions

<u>Ag Leader</u> Hydraulic Seed Control

Control Valve Settings	1
Controller	· Va 🚽 Settings
Control Valve PWM	•
PWM Frequency	200
PWM Gain	130
Zero Flow Offset	33 🗐
	× ×

Control Valve - PWM

PWM Frequency	200 🗐	Signa being settin manu
PWM Gain	130 🗐	Aggr adjus respo
Zero Flow Offset	33 🗐	Maxii sent any f
Too low - seedin	a rate is slow to get on t	arnet a

Signal pulses per second (Hz) being sent to valve. The correct setting is defined by the valve manufacturer.

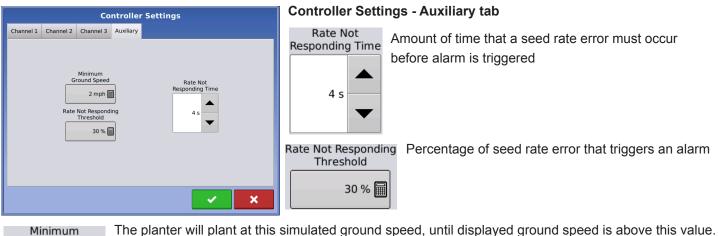
Aggressiveness of rate change adjustments. Higher values will respond more aggressively.

Maximum duty cycle that can be sent to valve without producing any flow.

Too low - seeding rate is slow to get on target at the beginning of a pass. Too high - seeding rate will be too high at slower travel speeds.

Hydraulic Seed Meter Calibration Numbers						
Planter Brand	Control Valve Configuration	PWM Frequency	PWM Gain	Zero Flow Offset	Gear Ratio	Pulsed/ Revolution
John Deere Planters	PWM	175	110	40	2.374 (chain) 2.417 (ProShaft)	360
White Planters	PWM	200	90	30	5.5	360
Case IH Planters	PWM	100	90	40	6.803	360

Prior to calibrating the Hydraulic Seed Meter, the numbers that appear in the Meter Calibration box in the Planter Control window should be similar to the numbers that appear above. If they are not, the seed meter may be working incorrectly or the Gear Ratio may be incorrect. Contact Technical Support for further assistance.



Planting at the minimum ground speed will occur when any of the following conditions are met:

a) Ground speed is less than the above setting

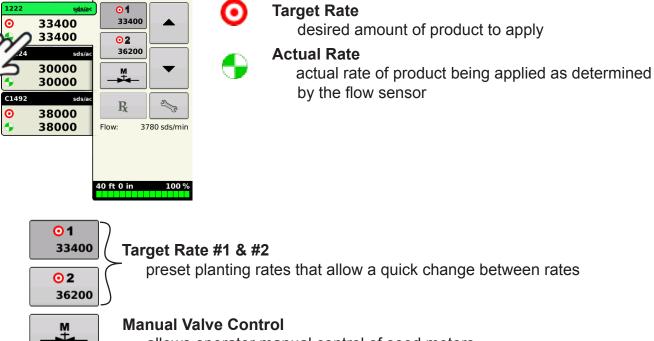
Ground Speed

2 mph 🖩

- b) Wheel motion is detected. Requires wheel motion sensor
 - c) Jump start switch is depressed. Requires jump start switch kit

Caller Hydraulic Seed Control

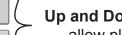
Product Control Toolbox



allows operator manual control of seed meters

Prescription

allows planting rates to be determined by a loaded prescription



Up and Down Arrows

allow planting rates to be adjusted manually



R

Settings button

opens Rate Control Settings screen

Rate Control	Rate	Contr	gs	
1222 (sds) Rate 1	Rate 2	Increment	Minimum Flow	Rx
33400 🗐	36200 🛄	500	0 sds/min 🗐	\$
C1224 (sds) Rate 1	Rate 2	Increment	Minimum Flow	Rx
30000	32000	500	0 sds/min	\$
C1492 (sds)				
Rate 1	Rate 2	Increment	Minimum Flow	Rx
38000 🗐	36000 🗐	500 🗐	0 sds/min 🗐	~

/ERSA