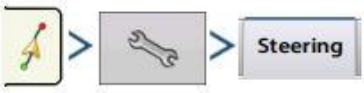
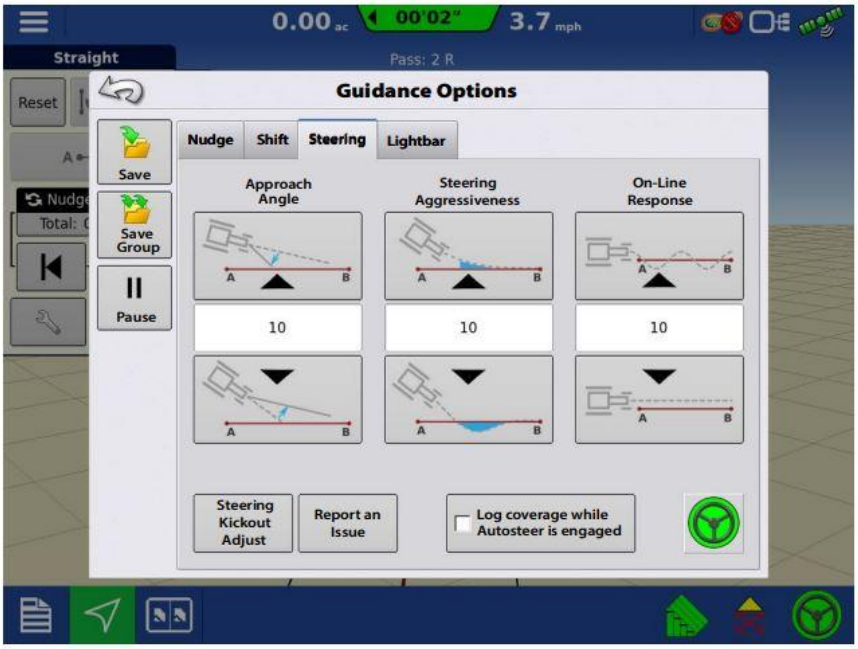


Auto Steer Tuning



Approach Angle

Changes the approach angle to the line.

A more aggressive approach angle will bring the vehicle to the line more quickly and may cause a larger overshoot.

Differences in speed will change the angle. For example: An engagement at 5 mph will have a sharper approach angle than at 10 mph engagement.

• Higher speed will not have a sharp approach angle.

Steering Aggressiveness

This is a transitional stage where the system goes from steering the vehicle to the line, to steering the vehicle on the line. This setting determines how quickly the system transitions from getting to the line to following the line. The setting changes overshoot aggressiveness and overshoot distance. It determines how quickly the vehicle turns back to the line from the approach angle.

• High value will cause oscillations.

• Lower the value will make the steering less responsive.

• This setting may be more of a factor when steering at high speeds, on side hills, and on self propelled applicators.

On Line Response

Changes how aggressively the control system responds to the vehicles distance from the path. Higher value may result in weaving/oscillations that get larger over time. Lower value may result in vehicles behavior consistent to one side of the guidance line.

• Increase value if vehicle is “lazy” getting to the line (hangs off one side of the line).

• Decrease value to smooth out oscillations.

• This setting works in conjunction with Steering Aggressiveness.

AutoSwath Adjust

AutoSwathFunction	Problem	Recommended Action	Result
Turn Off Look-Ahead	Overplanting	Increase look-ahead number	The AutoSwath anticipates headlands sooner and turns the planter off sooner.
	Underplanting	Decrease look-ahead number	The AutoSwath anticipates headlands later and turns the planter off later.
Turn On Look-Ahead	Overplanting	Decrease look-ahead number	The AutoSwath anticipates headlands later and turns the planter on later.
	Underplanting	Increase look-ahead number	The AutoSwath anticipates headlands sooner and turns the planter on sooner.

Setting your planter or your sprayer to turn on or off correctly is always a challenge.

*It is important to get the correct measurement from hitch to application point, and all your tractor GPS offsets. These directly affect your Turn Ons and Turn Offs.

Application point is the bottom of the seedtube, or sprayer nozzle, or wherever the product is being dispensed.

With this table you can fine tune your adjustments according to what you're seeing in the field.