



Passes with Different Implements (Nudge Feature)

The problem:

A customer plants corn at 22 inch spacing with a 16 row planter. This makes implement 352 inches wide. For his second operation, the farmer wants to cultivate with his 23 foot (276 inch) cultivator set at 22 inch row spacings.

The question:

So how does he enter the field for cultivation using the previous Field File (planting)?

Solution:

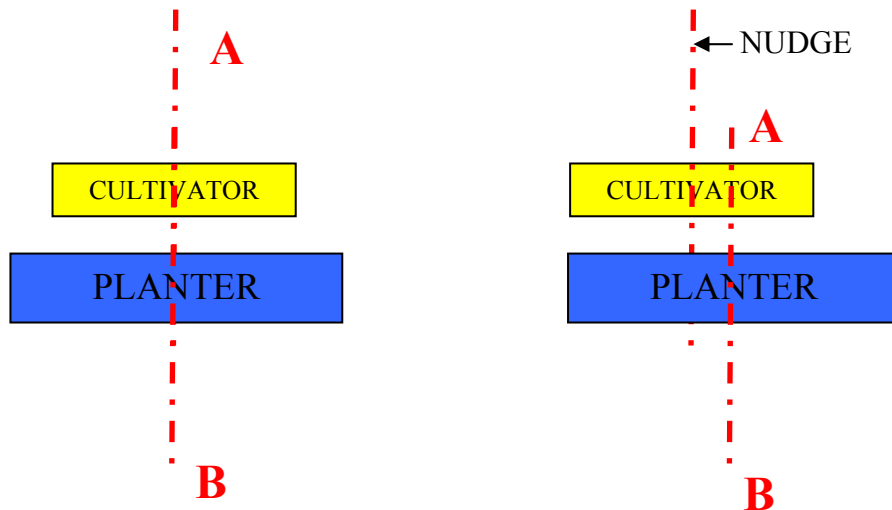
Notes:

- 1) The effective width of this cultivator is only 264 inches (12 rows at 22 inches)
- 2) AutoFarm stores the A-B line when storing a job. This corresponds to the center of the tractor at the beginning and end of the row. The width of the implement, number of beds, other nudges etc are NOT stored.
- 3) Row spacings are calculated every time the system is turned on based on the width of the current implement selected.

In this case the farmer wants to line up the outside row:

$$\begin{aligned}
 [\text{planter width}] - [\text{cultivator width}] &= 352 \text{ inches} - 264 \text{ inches} \\
 &= 88 \text{ inches}
 \end{aligned}$$

The cultivator is 88 inches smaller than the planter, but AutoFarm measures from the center of the tractor so it is actually 44 inches wider on each side. The farmer needs to move over the distance on one side, 44 inches (four 22 inch rows), to line up the outside row.



Action:

The driver should enter the field and use the NUDGE feature to move the center of the tractor over 44 inches. Pressing the large nudge four times (4 x 10 inches) and the small nudge four times (4 x 1 inch) will accomplish this.