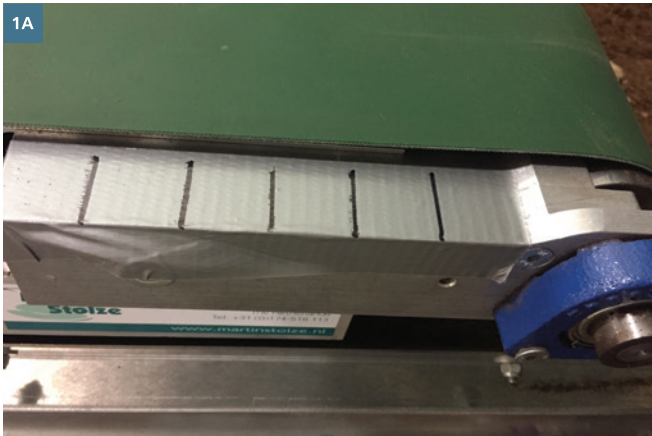


Calculating the Amount of HydraFiber[®] Ultra in the Mix

Before starting this process, we strongly recommend that you check your mixing equipment regularly for proper calibration, following the guidelines in our [Soil Mix Line Calibration with Cubic Foot Blending Box tech sheet](#). Your HydraFiber Technical Account Manager can provide assistance and more details.

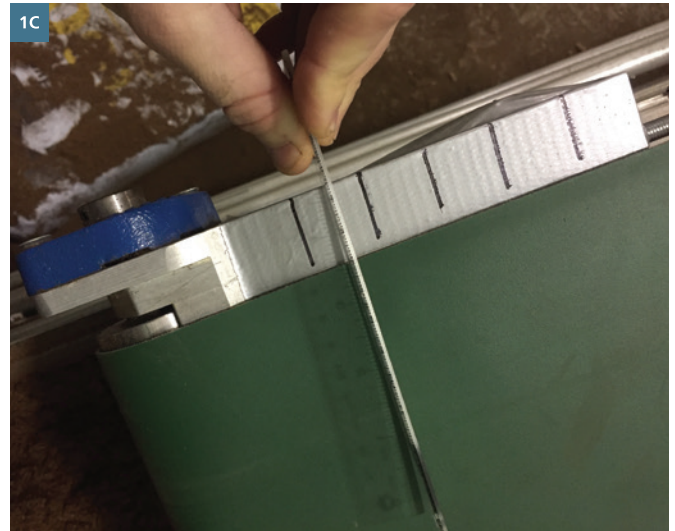
MEASURING USING THE POINT-TO-POINT METHOD

- 1A)** Make a mark on the sidewall or guide close to the tail pulley on your HydraFiber Processing Unit at 1-, 2-, 3- and 4-in. increments.



- 1B)** Start the HydraFiber infeed for the percentage needed for your formulation.

- 1C)** Place a flat edge or a mark on the belt. The flat edge needs to be free moving with the belt.

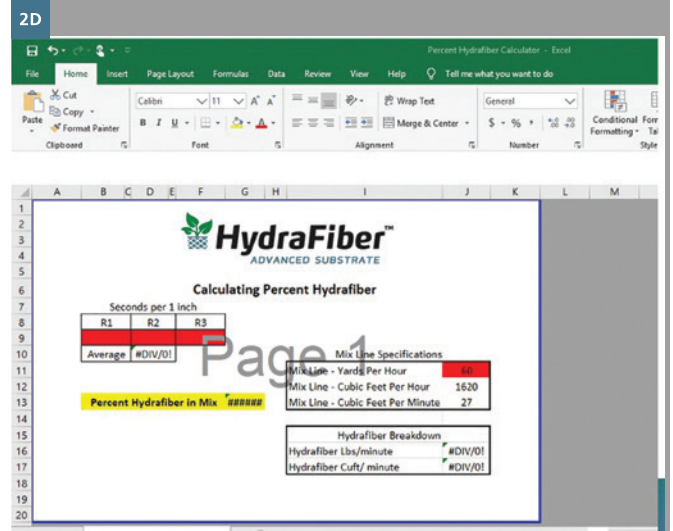


- 1D)** When the infeed starts and hits the first mark, start the stopwatch. When the flat edge reaches the second mark, stop the timer. This provides the seconds it takes for the belt to travel 1 in. TIP: Use the lap feature on the stopwatch to collect multiple numbers.
- 1E)** Repeat the timed measurement above between three and five times to obtain an average measurement.

CALCULATING HYDRAFIBER ULTRA PERCENTAGE

- 2A)** Divide 60 by the number of seconds it takes the HydraFiber Ultra bale to travel 1 in. as measured above.
- > Example: If it takes 6.33 seconds to travel 1 in., the multiplier is 9.47. ($60 \div 6.33 = 9.47$).
- 2B)** Calculate pounds (lbs.) of HydraFiber Ultra per minute.
- > Multiply the seconds-per-inch multiplier from Step 2A by 1.92 (1 in. of compressed HydraFiber Ultra is equal to 1.92 lbs.).
 - > Example: $9.47 \times 1.92 = 18.18$ lbs. of HydraFiber Ultra per minute.
- 2C)** Calculate HydraFiber Ultra cubic feet (cu. ft.) per minute.
- > Divide the lbs. per minute from Step 2B by the HydraFiber Ultra density to determine the cu. ft. per minute.
- Density of HydraFiber Ultra when combined with peat moss is 1.70 lbs./ft.³ up to 40% inclusion. For inclusion rates above 40%, use 1.86 lbs./ft.³*
- Density of HydraFiber Ultra combined with bark, coir or a heavier component is 1.93 lbs./ft.³ up to 40% inclusion. For inclusion rates above 40%, use 2.10lbs./ft.³*
- > Example: $18.18 \text{ lbs. per minute} \div 1.70 \text{ lbs./ft.}^3 = 10.89 \text{ ft.}^3$ of open HydraFiber Ultra per minute.

- 2D)** Calculate the percentage of HydraFiber Ultra in the mix.
- > Divide the cu. ft. from Step 2C by total line setting.
 - > Example: In a 60-yard-per hour system, the cu. ft. per minute is 27. $10.89 \text{ ft.}^3 \div 27 = 40\%$ HydraFiber Ultra.
 - > The HydraFiber Calculator tool is available from your Technical Account Manager or Equipment Support Specialist upon request.



QUESTIONS?

Your HydraFiber Technical Account Manager can assist you with calculations, and guide you through all aspects of mixing. We're here for you!

Contact a HydraFiber expert today at 800-508-8681 or hydrafiber@profileproducts.com.



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