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CLOSELY SPACED EMITTERS

A CONTINUOUS WETTING PATTERN AND BETTER RESULTS



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CLOSELY SPACED EMITTERS

Aqua-Traxx® PBX, the original Toro drip tape, provides unmatched clog resistance, durability and precision placement of your valuable water and fertilizer.

THE CHOICE OF THE TAPE

When choosing the right spacing between the emitters, several variables must be taken into account, such as the crop, the type of soil, the orography of the ground and certainly the type of planting layout chosen.

Numerous studies highlight the great advantages of adopting closely spaced emitters. This is particularly important for those crops with a reduced root system.



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CLOSELY SPACED EMITTERS

CONTINUOUS WETTING PATTERN

Closely spaced emitters allow to obtain a correct and continuous wetting pattern.

A quick implementation of a continuous wetting pattern is important for delivering to all plants - at the same time - the same amount of water and nutrients.

This allows to have uniform crop and to maximize the yield.

In the case of larger spacing, the wait for a continuous wetting pattern to form gives rise to unwanted percolation phenomena with a waste of water and fertilizers.

LOOSE SOILS

The adoption of closely spaced emitters become even more important in loose soils.

In fact, in loose soils the force of gravity prevails over the horizontal movement of the water and it is advisable to prefer closely spaced emitters in order to favour the rapid formation of a continuous wetting pattern.



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CLOSELY SPACED EMITTERS

Two drip tapes with the same flow rate per meter, specifically 5.70 l/h/m. The left drip tape has a 1.14 l/h emitter with a 20 cm spacing, the right one has a 0.57 l/h emitter with a 10 cm spacing.

It is therefore obvious that the drip tape with a close spacing are faster in forming a continuous wetting pattern.



BENEFITS WITH NO ADDITIONAL COSTS

With Aqua-Traxx® PBX you can design your system by choosing the product that best meets your needs.

CHOOSE CLOSELY SPACED EMITTERS, 10 and 15 cm, WITH NO COST INCREASE