

Why Drip Irrigation Is Important?

1. Greater water application uniformity and accuracy, resulting in improved water use efficiency and crop uniformity.
2. Reduced soil surface wetting, resulting in lower evaporation losses and weed competition.
3. Greatly reduced periods of anaerobic conditions in the root zone compared to other forms of irrigation.
4. Greater ability to manipulate soil water content at peak demand to improve field access, minimize rutting, etc.
5. Improved disease control due to improved root zone oxygenation or reduced foliar wetting.
6. Ability to apply nutrients directly to the center of the active root zone resulting in very efficient and immediate uptake by crop.
7. Minimize nitrate leaching loss potential to ground water, with good irrigation water management.
8. Flexibility in application timing for nutrients and other crop care products.
9. Little or no application costs compared to any kind of nutrient application made to the soil or the crop canopy.
10. The ability to fertigate eliminates the need for application vehicle traffic through the field, thereby eliminating soil compaction, root pruning or other forms of crop damage.



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DRIP IRRIGATION

Increasing Water Use
Efficiency



*Training and capacity building in sustainable
agricultural water management:
Addressing food security and social instability in
Pakistan (SAWaM-Pak)*

