

In Lebanon, irrigation uses around 70% of the water budget



In agriculture, water that should be available for plants is lost because of irrigation system inefficiency, soil evaporation, percolation, and/or runoff



Conserving water in agriculture includes

Properly designing an irrigation schedule

This depends on:

Weather conditions



watering requirements



Soil type



Choosing the proper irrigation system



Farmers in Lebanon have been moving towards adopting **drip irrigation** as it reduces

Reducing loss of water from soil

Using compost

Using mulch



Surface irrigation losses in soil and through runoff

Energy costs in comparison with sprinkler irrigation



Additional ways to conserve water in irrigation include



Using a tensiometer to determine how much water is stored in the soil



Using non-conventional water for irrigation. E.g. by harvesting rainwater



Avoiding water pollution from agricultural chemicals

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