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Prelims PYQ, Mains model answers, and copy evaluation. Write to the desk for this paper, a doubt, or the AI waitlist.

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Q7

What is water-use efficiency? Describe the role of micro-irrigation in increasing the water-use efficiency.

UPSC Civil Services Mains 2016 · GS III · 12 marks · Crops, Irrigation and Marketing

Major crops - cropping patterns in various parts of the country; different types of irrigation and irrigation systems; storage, transport and marketing of agricultural produce and issues and related constraints; e-technology in the aid of farmers.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

<https://wrapexams.com/upsc/mains-answers/gs-3/2016/what-is-water-use-efficiency-describe-the-role-of-micro-irrigation-in-increasing-the-water-use-efficiency/>

PMKSY

Pradhan Mantri Krishi Sinchayee Yojana (2015): umbrella irrigation mission, including Har Khet Ko Pani and Per Drop More Crop.

Per Drop More Crop

PMKSY component that subsidises drip and sprinkler systems to raise on-farm water-use efficiency.

Drip irrigation

Emitters deliver water to the root zone; well suited to horticulture, cotton, sugarcane and vegetables.

Sprinkler irrigation

Overhead spray resembling rain; useful for field crops on uneven land.

Fertigation

Applying fertiliser through the micro-irrigation line so nutrients reach the root zone with less leaching.

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