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Q91

What are the advantages of fertigation in agriculture? 1. Controlling the alkalinity of irrigation water is possible. 2. Efficient application of Rock Phosphate and all other phosphatic fertilizers is possible. 3. Increased availability of nutrients to plants is possible. 4. Reduction in the leaching of chemical nutrients is possible. Select the correct answer using the code given below: (a) 1, 2 and 3 only (b) 1, 2 and 4 only (c) 1,3 and 4 only (d) 2, 3 and 4 only Official key: C.

UPSC Civil Services Prelims 2020 · General Studies · 2 marks · Art and Culture

Indian art, architecture, culture - Prelims GS Paper I.

Explanation

(a)

1, 2 and 3 only. Rock phosphate does not fertigate well (insoluble).

(b)

1, 2 and 4 only. Same rock-phosphate miss.

(c) Official key

1, 3 and 4 only. You can manage irrigation-water pH/alkalinity, raise nutrient availability, and cut leaching. Insoluble rock phosphate is the miss.

(d)

2, 3 and 4 only. Keeps rock phosphate.

Summary

- **Official key is (c) 1, 3 and 4 only. Fertigation:** dose through drip, better availability, less leaching, some control of water chemistry. Rock phosphate is not a drip-friendly soluble fertiliser.

Related possible facts

These can be asked in a future Prelims paper.

Fertigation

Fertiliser in irrigation water; drip/sprinkler.

Water-soluble NPK

The actual tank-mix, not rock phosphate.

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