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Q89

With reference to the current trends in the cultivation of sugarcane in India, consider the following statements: 1. A substantial saving in seed material is made when 'bud chip settlings' are raised in a nursery and transplanted in the main field. 2. When direct planting of setts is done, the germination percentage is better with single-budded setts as compared to setts with many buds. 3. If bad weather conditions prevail when setts are directly planted, single-budded setts have better survival as compared to large setts. 4. Sugarcane can be cultivated using settlings prepared from tissue culture. Which of the statements given above is/are correct? (a) 1 and 2 only (b) 3 only (c) 1 and 4 only (d) 2, 3 and 4 only Official key: C.

UPSC Civil Services Prelims 2020 · General Studies · 2 marks · Current Affairs and GK

Current events, government schemes, miscellaneous GK - Prelims GS Paper I.

Explanation**(a)**

1 and 2 only. Two crops outside the season is not a necessity of short-duration varieties as stated.

(b)

3 only. Tissue-culture settlings can be used, but not as the sole keyed limb.

(c) Official key

1 and 4 only. **Bud-chip** settlings in trays save seed; ratooning is standard. The other two over-claim.

(d)

2, 3 and 4 only. Drops the seed-saving limb; keeps a false must-have second crop.

Summary

Official key is (c) 1 and 4 only. **Bud-chip** tray settlings save a large mass of cane seed. Ratooning is normal practice. Short-duration cane does not force two extra-season crops as worded, and tissue culture is not the official pair.

Related possible facts

These can be asked in a future Prelims paper.

Bud-chip

Single-bud nursery; SSI / sustainable sugarcane.

Ratoon

Regrowth from stubble; cheaper than a planted crop.

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