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Q67

Wolbachia method' is sometimes talked about with reference to which one of the following? (a) Controlling the viral diseases spread by mosquitoes (b) Converting crop residues into packing material (c) Producing biodegradable plastics (d) Producing biochar from thermochemical conversion of biomass Official key: A.

UPSC Civil Services Prelims 2023 · General Studies · 2 marks · Current Affairs and GK
Current events, government schemes, miscellaneous GK - Prelims GS Paper I.

Explanation**(a) Official key**

Controlling mosquito-borne viral disease. **Wolbachia**-infected Aedes reduce dengue (and related) transmission.

(b)

Crop residue to packing. Unrelated.

(c)

Biodegradable plastics. Unrelated.

(d)

Biochar. Unrelated.

Summary

Official key is (a). The **Wolbachia** method infects Aedes mosquitoes so that dengue, Zika and similar viruses replicate poorly, or so that incompatible males suppress the wild population. It is not a plastics or biochar technique.

Related possible facts

These can be asked in a future Prelims paper.

Wolbachia

A common insect endosymbiont bacterium.

World Mosquito Program

Releases Wolbachia Aedes in dengue cities.