TOPIC -13

AGRILEARNER APP TEAM

YouTube channel

AGRICULTURE IMPORTANT TOPIC FOR IBPS AFO

SELECTED BY ANALYSING PREVIOUS YEAR QUESTION PAPER.



SUBSCRIBE AGRILEARNER APP TEAM YOUTUBE CHANNEL

+91 6201733962

AGRILEARNERAPP

WWW.AGRIGURU.IN

Agrilearner

IBPS AFO IMPORTANT TOPICS SERIES BY AGRILEARNER APP TEAM YOUTUBE CHANNEL

Q:- Bt cotton acts against which of the following insect pest?

- **Aphid**
- **Whitefly**
- **Bollworm**
- **Bugs**
- **Thrips**

Ans:- Bollworm

SUBSCRIBE AGRILEARNER APP TEAM YOUTUBE CHANNEL

Instagram: - @agrilearnerapp

Telegram: - @agrilearnerapp

Facebook:- @agrilearnerappp

All Copyright Reserved By Agrilearner App Team.
We Provide Full Preparation Course For IBPS AFO Mains & Interview Check Out Detail On www.agriguru.in WHATSAPP:- 6201733962

Answer with Explanation

Genetically Modified Crops: Bt Cotton

- Cotton the most important commercial crop of India, **often referred as the White Gold**, consumes more than 45% of the total pesticides used in our country.
- The most important insect pests that affect cotton production are **jassids, white fly, aphids and thrips among the sap sucking pests and Boll worms (American, Pink and Spotted) and *Spodoptera* among the leaf eating caterpillars.**
- Of these cotton pests, the **American boll worms** alone cause yield reduction up to **40 – 70 % under severe incidence.**
- **All Bt cotton plants contain one or more foreign genes derived from the soil-dwelling bacterium, *Bacillus thuringiensis*; thus, they are transgenic plants.**

All Copyright Reserved By Agrilearner App Team.
We Provide Full Preparation Course For IBPS AFO Mains & Interview Check Out Detail On
www.agriguru.in WHATSAPP:- 6201733962

- The insertion of the genes from ***Bacillus thuringiensis*** causes cotton plant cells to produce crystal insecticidal proteins, often referred to as **Cry proteins**.

- These insecticidal proteins are effective in killing some of the most **injurious caterpillar pests of cotton, such as the larvae of tobacco budworms and bollworms.**

- The **Bt transgenic cotton (Bollgard of Monsanto)** has thus been developed successfully in **USA,** which has the **ability to control the bollworms** at the **early stages of crop growth (up to 90 days) effectively.**

- The first commercial Bt cotton variety was released in **USA by M/S. Monsanto (Bollgard),** which **contains Cry 1Ac gene of *Bacillus thuringiensis*.**

All Copyright Reserved By Agrilearner App Team.
We Provide Full Preparation Course For IBPS AFO Mains & Interview Check Out Detail On
www.agriguru.in WHATSAPP:- 6201733962

IBPS AFO IMPORTANT TOPICS SERIES BY AGRILEARNER APP TEAM YOUTUBE CHANNEL

Bollworm larva feeding in boll



Cotton boll damage from budworm/bollworm larvae



All Copyright Reserved By Agrilearner App Team.
We Provide Full Preparation Course For IBPS AFO Mains & Interview Check Out Detail On
www.agriguru.in WHATSAPP:- 6201733962

IBPS AFO IMPORTANT TOPICS SERIES BY AGRILEARNER APP TEAM YOUTUBE CHANNEL

SUBSCRIBE AGRILEARNER APP TEAM YOUTUBE CHANNEL

Instagram: - @agrilearnerapp

Telegram: - @agrilearnerapp

Facebook:- @agrilearnerappp

Click To Check Video Lecture

JOIN FULL PREPRATION COURSE FOR IBPS AFO MAINS & INTERVIEW ON www.agriguru.in WhatsApp :- 6201733962



All Copyright Reserved By Agrilearner App Team.
We Provide Full Preparation Course For IBPS AFO Mains & Interview Check Out Detail On www.agriguru.in WHATSAPP:- 6201733962

Join IBPS AFO Preparation Course For Mains & Interview By Agrilearner { agriguru.in }

Weekly Full Length Mock-test On The Pattern Of IBPS AFO

Monthly Agriculture Current Affairs In Detail & MCQ With Explanation

Subject Wise Notes In Very Short And Concise Way

All Agriculture Subject Is Divided Into Modules In Course & All Modules Are Arranged In On The Basis Of Their Importance

Important Downloadable Notes Are Provided + Summery Sheet Before Exam For Quick Revision

Whole Course Is Designed By Observation Of 10 Year Previous Paper & And Syllabus Of IBPS AFO

Full Guideline By The Scholars {Pre Qualified Students} For The Preparation Of Pre , Mains & Interview

Chat Support For Any Doubt Clearance Related To Subjects By Experts.

Every Module Have Video Explanation Of That Topic

Price Is Very Much Low That Every Student Who Wants To Become AFO Can Enrol In This Course Normal Price Rs: 2500/- With Coupon Code "agrilearner" It Will Cost Rs: 1899/- Only

CLICK TO CHECK COURSE