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**F.No 3-6/2022-23/IPM/Advisory**  
**भारतसरकार/ Government of India**

कृषि एवं किसान कल्याण मंत्रालय / Ministry of Agriculture & Farmers Welfare  
कृषि एवं किसान कल्याण विभाग / Department of Agriculture & Farmers Welfare  
वनस्पति संरक्षण, संगरोध एवं संग्रहनिदेशालय / Directorate of Plant Protection, Quarantine & Storage  
एनएच4, फरीदाबाद(हरियाणा) – 121 001/NH-IV, Faridabad (Haryana) – 121 001

Dated: 09.09.2022

To

The Directors of Agriculture  
Maharashtra

**Sub: Advisory on White Grub (*Holotrichia serrata*) on Sugarcane crop -reg.**

Sir,

This is to bring to your notice that the incidence of **White Grub (*Holotrichia serrata*)** is reported above Economic Threshold Level (ETL) intensity from various parts of the sugarcane growing areas of Maharashtra state. White grub is an important soil pest of sugarcane which may cause serious damage in sugarcane crop. Eggs of white grub are pear like white, grub is fleshy 'C' shaped whitish yellow in color. Pupae are tan to brown colored and found deeper in the soil while the adults are rusty red colored to black and feeds on the foliage of host trees like Neem, *Ailanthus*, Acacia etc. Therefore, sugarcane crop should be monitored regularly for pest build up and adopt Integrated Pest Management techniques. Agro Ecosystem Analysis (AESA) based IPM Package of practices of sugarcane is available at DPPQ&S website in the link <http://ppqs.gov.in/ipm-packages>. **Important IPM practices for white grub are listed below:**

**Management:**

- Provide adequate irrigation.
- Collect and destroy the adult beetles harboring on Neem, acacia and other hosts.
- Apply entopathogenic fungus *Beauveria brongniortii* @ 2.5 kg/ha.
- Entomopathogenic nematodes (EPNs) infected cadavers of Galleria/Corcyra larvae containing live infective juveniles (IJs) are implanted in soil at plant bases at the rate of four cadavers per plant during May/ June and/or September for sugarcane root grub control.
- Judicious use of Fipronil 40% + imidacloprid 40% WG@175-200 g in 400-500 litre of water/acre or phorate 10% CG @ 10,000 g/acre can be done if pest attain ETL status.

**After harvesting:**

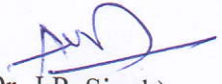
- Destroy the stubble in white grub infested fields properly
- Avoid ratoon cropping
- Deep ploughing immediately after harvesting
- Stagnating water upto 24 hrs in the field so that the grub will come out from the soil.

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The detailed information on pest incidence may also be sent to the directorate through email [ppa@nic.in](mailto:ppa@nic.in) or [appa.ipm-dppqs@gov.in](mailto:appa.ipm-dppqs@gov.in) urgently to apprise the same to Department of Agriculture & Farmers' Welfare.

**Encl: as above**

Yours faithfully

  
(Dr. J.P. Singh)  
Plant Protection Adviser

Copy for information:

1. PPS to Joint Secretary(PP), DAC & FW, Krishi Bhawan, New Delhi- 110001
2. The Directors of Agriculture of other sugarcane growing states with the request to keep close watch on pest build up & take appropriate measures as indicated above
3. PPS to PPA for information
4. Officer In-charges, all CIPMCs of sugarcane growing states with directions to conduct regular survey in the area to ensure and necessary follow-up with the state authorities.