Office Memorandum

Sub:- Standards for Fall Army Worm (FAW) pheromone lures and traps-reg.

The FAW is noticed on Maize crop in several states during Kharif 2019. The FAW is an invasive pest, which need to be controlled by timely interventions.

2. A meeting to review the present status of FAW was held on 1st October, 2019 under the Chairmanship of Secretary (DAC&FW) at Krishi Bhawan, New Delhi. It was decided in the meeting to develop and disseminate standards for pheromone lures and traps for effective management of FAW. Accordingly, Indian Institute of Maize Research has developed standards for FAW pheromone lures and traps. Further, the standards were reviewed and finalised in the meeting held on 31st October, 2019 under the Chairmanship of Agriculture Commissioner. These standards/specifications need to be promoted in various Training/HRD/awareness programmes.

3. It is requested that the same may be disseminated to all the stakeholders through the Extension bodies of the State such as ATMA, KVKS, etc.

4. The Central Integrated Pest Management Centers (CIPMCs) in all the concerned States is directed to follow up the matter with State Agriculture Departments and to submit an ATR fortnightly to Head Quarter, Dte. of PPQ&S (e-mail address: appa.ipm-ppqs@gov.in).

Encl: As above

(Rajesh Malik)
Plant Protection Adviser

Distribution:
1. Principal Secretary/ Agriculture Commissioner of all the States.
2. Director (Extension), DAC&FW with a request to issue necessary directions to all the Extension functionaries.
3. JD (IPM), DPPQ&S with a request to issue directions to all the CIPMCs for para 4 above.

Copy for information:
1. PPS to Secretary, DAC&FW
2. PPS to JS (PP)
Specifications for FAW *Spodoptera frugiperda* pheromone lure and trap

**Lure composition**

Z9-Tetradecenyl acetate (Major compound); Z7 - Dodecenyl acetate; Z11 - Hexadecenyl acetate blend (Minor compound) (altogether 3 – 5 mg per vial) in 10 -15 mg of amorphous powder in polyethylene vial Or 3 – 5 mg of pheromone blend loaded in silicon / rubber septa.

- Efficacy duration should be minimum 30 days
- Shelf life should be for a period of 12 months

**Trap Type:** Funnel shaped trap or sleeve trap.

**Parts and dimensions of trap:** Trap to have three parts, viz., canopy, funnel shaped trap base and collection device.

**Canopy:** Diameter: 140 mm.

**Funnel:** Top Diameter: 110 mm; bottom opening: 30 mm
Ring diameter: 112 mm.

**Collection device:** Non collapsible polyethylene bag 0.33 gauge of length – 760 mm.

Trap material: Virgin plastic (No reprocessed material to be permitted) (Yellow / Green color), Should withstand the Sunlight, rain and wind for 6 months (To be certified by Central Institute for Plastic Engineering and Technology).

**Number of traps, installation and lure change**

No. of traps for monitoring: 4 traps/acre

No. of traps for mass trapping: 15 traps/ac

Installation: Install within a week of sowing maize, ideally before germination. The height of the trap should be adjusted every week matching the crop canopy.

Replacement of lures: Once in 30 days