

Pest Report (IPPC Portal)

- **Title** : Report of first detection of Fall Armyworm (FAW) in Republic of Korea
- **Country** : Republic of Korea
- **Pest Identification** : Fall Armyworm (*Spodoptera frugiperda*)
 - Method of verification : DNA barcoding
- **Geographical distribution** : Jeju island in Republic of Korea
- **Detection records**
 - First occurrence date : 14 June, 2019
 - Growth Stage : larvae (1~3 instar)
 - Places : 4 corn fields at Chujwa-eup (3 spots) and Jocheon-eup (1 spot) of Jeju island*
 - * Jeju island is located at the southernmost of Korea and is min. 80km away from the main land.
 - Damage rate : 1~5%
- **Pest Status** : Transient (actionable, under eradication program)
- **Summary**
 - Ministry of Agriculture, Food and Rural Affairs established a committee in May 2019 for early detection and action for FAW to coordinate activities of relevant bodies for survey, border inspection, information collection etc.

- APQA(National Plant Protection Organization of Rep. of Korea) and RDA(Rural Development Administration) and local governments have conducted national survey for FAW in host crop fields and borders.
- In the course of the survey, suspected larvae were first detected at 4 corn fields in Jeju island on 14 June 2019. They were identified as *Spodoptera frugiperda* by DNA barcoding on 19 June 2019. This is the first detection of FAW in Republic of Korea.
- The emergency measures were conducted to spray with registered agricultural pesticides.
- "Detection Survey Areas" was confined with 1km radius of the infected area.
- Furthermore, the government continues to conduct intensive specific survey for FAW by pheromone traps in host plants growing areas and borders preparing to the possible spread by wind or other means from Jeju island.

◦ **Hosts or Articles concerned**

- Maize, rice, sorghum, etc.

◦ **Nature of Immediate or Potential Danger**

- FAW may not over-winter due to climate condition in Korea. However there is risk of introduction along with wind and through regulated articles to cause seasonal outbreak. The damage by FAW in Korea may not be significant due to intensive pest management control.

◦ **Contact for more information**

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