

**Inter- American Coordinating Group in Plant Protection**  
**GICSV**  
**Orthoptera pests Working Group**

**Report of WG on Locust (Orthoptera pests) 1/2021**

**Date:** May 27<sup>th</sup> 2021  
**Time** 09:00 am Central America Time  
**Hosted:** Videoconference. Zoom Session.  
**Link to join the meeting** <https://iica.zoom.us/j/86434887870?pwd=d2pjMHBWdThjVVhZaEFGVzRTUS9DUT09>  
 Contraseña: 4R5Yrs  
 ID: 864 3488 7870

**I. Participants**

<b>Locust</b>	<b>CAHFSA</b>		
	Amel Baksh	Trinidad y Tobago NPPO	amelbaksh@gmail.com
	<b>CAN</b>		
	Daniel Sanchez	SENASAG	Daniesan-26@hotmail.com
	Ramón Canizares	Secretaría Gral. CAN	rcanizares@comunidadandina.org
	<b>COSAVE</b>		
	Héctor Medina	Senasa Argentina	hmedina@senasa.gob.ar
	Ricardo Solano	Senasa Perú	rsolano@senasa.gob.pe
	<b>NAPPO</b>		
	Stephanie Bloem	NAPPO	Stephanie.Bloem@nappo.org
	Jesús García Feria	SENASICA	jesus.garcia@senasica.gob.mx
	Maribel Hurtado	NAPPO	maribel.hurtado@nappo.org
	<b>OIRSA</b>		
	Mario Poot Petech	CESVY	mpootpech@gmail.com

## 1. Opening session.

Dr. Stephanie Bloem, GICSV Coordinator, welcomes the participants and explains that at the beginning of this year GICSV Coordination was renewed and she is the new Coordinator, on behalf of NAPPO.

## 2. Meeting objectives. Consideration and adoption of the agenda

WG Coordinator, Eng. Héctor Medina welcomed the participants and expresses his hope that everyone is in good health.

He lets the agenda for WG consideration, which is approved without modifications

Draft Agenda
1. Opening session. <i>GICSV Coordinator.</i>
2. Meeting objectives. Consideration and adoption of the agenda. <i>GICSV Coordinator, Mrs. Stephanie Bloem.</i>
3. Locust WG deliverables defined in GICSV Work Plan 2021 - 2023. <i>Moderator: Locust WG Coordinator, Mr. Héctor Medina.</i>
4. Use of Unmanned Aerial Vehicles for monitoring and control. <i>Moderator: Locust WG Coordinator, Mr. Héctor Medina.</i>
5. Biological control with emphasis on <i>Metarhizium anisopliae</i> var. <i>acidum</i> and <i>Nosema locustae</i> . <i>Moderator: Locust WG Coordinator, Mr. Héctor Medina.</i>
6. Active ingredients and doses used in America and Caribe and their correspondence with FAO Pesticide Referee Group (PRG) documents. <i>Moderator: Locust WG Coordinator, Mr. Héctor Medina</i>
7. Date and topics for next meeting. <i>Moderator: Group Coordinator</i>

Eng Ramón Canizares, CAN representative, reports about a new CAN representative for Locust WG, who is welcomed by WG Coordinator.

Before starting the agenda items, WG Coordinator propos each RPPO briefly report on regional locust status, which is accepted:

CHAFSA: endemic grasshopper species has had outbreaks in Trinidad areas and shared RPPO's interest in new biological control developments.

COSAVE points out that South American locust does not has outbreaks in any country in the region, the state of emergency raised in 2020 remains in force and will cease shortly. All countries continue with surveillance.

The two species present in Peru are in solitary state. *S. piceifrons* peruviana in the center of the country without crisis and *S. interrita* in calm in northern region, presumably due to the absence of the El Niño phenomenon. All species remain under official control, SENASA maintains the necessary logistics to attend and control the outbreaks that could occur.

OIRSA mentions that, from Guatemala to Panama, the locust population remains low, the first generation is about to begin, which came along with the rains. The highest incidence occurs in Guatemala with nymph patches.

### 3. Locust WG deliverables defined in GICSV Work Plan 2021 - 2023

WG Coordinator conducts the review of work plan activities proposed, concluding:

- 3.4.4. Information exchange activity is confirmed and RPPOs are invited to have fluid communication to keep GICSV website updated.
- 3.4.5. Technical sheets made can be found on the GICSV website and, until now, updating is not necessary. WG Coordinator informs that will be translated into English by the Global Locust Initiative (Arizona University) and, after WG reviewed them, will be uploaded to the GICSV website. WG decided to advance in other technical sheets elaboration for grasshoppers' species relevant to the region. Grasshopper species from *Tropidacris* and *moruga* genus, are mentioned in a first approach. At the next meeting, the species to be worked on, the technical sheet structure and deadlines will be defined.
- 3.4.6. Activity related to the harmonization of surveillance and control manuals. It is agreed that, as first step in harmonization process, a meeting will be held (date to be defined) where each RPPO will briefly present its surveillance and control method to identify common aspects and differences between regions.
- 3.4.7. To analyse a Unique Mobile Surveillance System implementation. A meeting, as first step, will be held in a date to be defined, where each RPPO will briefly present its surveillance system.

For topics 3.4.6. and 3.4.7 presentations, the WG Coordinator will send in advance an index of the topics that are expected to be presented.

- 3.4.8; 3.4.9 y 3.4.10 In order to promote the use of Geographic Information Systems, models and satellite images that helps with issuance of early warnings and the use of Unmanned Aerial Vehicles for monitoring and control, it is resolved:
  - Promote and participate in the Workshop "Public - Private Alliance and Locust management in America and Africa" that IICA is organizing with Bayer and SENASA Argentina to analyzing public - private interaction for locust surveillance and management. Agenda for this event will be shared in advance with the Group. It is proposed to make presentations on GICSV locusts and grasshoppers WG objectives (brief, 5 minutes) and on OIRSA's experience of drones uses and its future perspectives.
  - To organize workshops or seminars on uses of remote sensing and Unmanned Aerial Vehicles (UAVs) for monitoring, control, and pest management with an emphasis on biocontrol. It is suggested to invite USDA for their experience using models with various pests, including grasshoppers and different models, which will enrich the Webinar. In a future meeting, webinars structure and topics to be discussed.
- 3.4.11. To analyze the implementation of an information visualization portal at continental level. It could be linked with unique mobile monitoring system; it is proposed like a topic for a next meeting.
- 3.4.12. To analyze and compare active ingredients and doses used in America and Caribe and their correspondence with FAO Pesticide Referee Group (PRG) documents. WG agreed to prepare a table with active ingredients registered and authorized for locust and grasshoppers in the Regions. This table will be defined on based of COSAVE ones. Recognizing the problem of shortage of registered and authorized active principles for locust and grasshoppers' control, an analysis and discussion process at America and

Caribe level could be strategic in order to identify problems and have a more strategic interaction with industry.

- 3.4.13. To promote the use of biological control with emphasis on *Metarhizium anisopliae* var. *acidum* and *Nosema locustae*. It will join the Webinars to be carried out to know the progress and share experiences with other regions.

#### 4. Use of Unmanned Aerial Vehicles for monitoring and control.

It was analyzed in the review of Agenda, item 3.

#### 5. Biological control with emphasis on *Metarhizium anisopliae* var. *acidum* and *Nosema locustae*.

It was analyzed in the review of Agenda, item 3.

#### 6. Active ingredients and doses used in America and Caribe and their correspondence with FAO Pesticide Referee Group (PRG) documents

It was analyzed in the review of Agenda, item 3.

#### 7. Date and topics for next meeting.

Next meeting will be held on June 24 at 9 am (Costa Rica time)

#### 1. Commitments

Commitment	Responsible	Compliance date
Keep information exchange to hold updated the GICSV website.	RPPOs	Permanent
Share an index for the topics that are expected to be presented during the next meeting by the RPPOs on work plan tasks 3.4.6. and 3.4.7.	WG Coordinator	TBD base on next meeting definitions.
Share the agenda of "Public – Private Alliance and Locust management in America and Africa"	WG Coordinator	18/06/2021
Send to the RPPOs the COSAVE table as proposal for the analysis of active ingredients registered and authorized for locusts and grasshoppers control in the Regions.	WG Coordinator	11/06/2021
Complete the information in the table on registered and authorized active ingredients for locusts and grasshoppers' control in Regions and send it to WG Coordinator.	RPPOs	24/06/2021 (next meeting date)

Sitio de GICSV: <http://apps.iica.int/GICSV/default.aspx>