

ANUAL REPORT 2020

OIRSA BELIZE

Ing. Fermin Blanco Representante en Belize

30th April 2021



1. Introduction
2. SITC 2020
3. Budget 2020 & 2021
4. Trainings
5. Local Programs
6. Biological control program
7. Regional programs



Covid 19 Pandemic declared in March, 2020



Land borders & Airports were closed



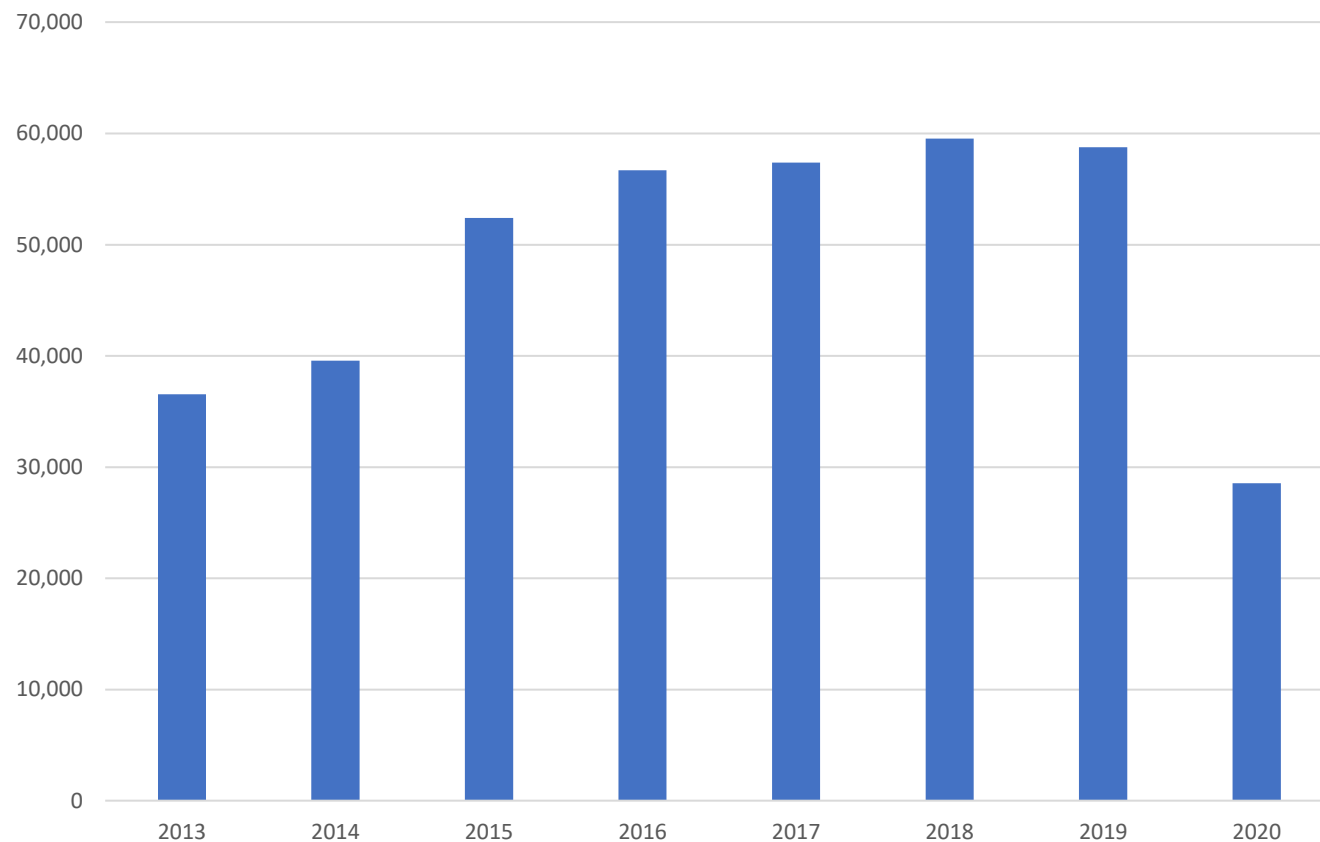
SITC 2020

-51.4% 2020 in comparison with 2019 data

Month	Quarantine Treatments							
	Año							
	2013	2014	2015	2016	2017	2018	2019	2020
January	3069	2906	4173	4208	5412	4812	5416.00	4266
February	2640	2855	4224	5068	4455	4918	4508.00	4509
March	3584	3135	5658	5317	5238	5629	4778.00	3931
April	3306	3741	4861	4647	5447	5245	6102.00	1515
May	3067	3434	4401	4661	4862	4896	4942.00	1675
June	3166	3324	4129	4813	4854	4958	4818.00	1759
July	3130	3332	4075	4847	4579	4730	4665.00	1900
August	3010	3088	3853	4175	4236	4715	4841.00	1953
September	2682	2771	3789	4225	3674	3961	3897.00	1740
October	2619	2801	3631	4314	4442	4796	4207.00	1919
November	2719	3396	4290	4522	4443	4825	4489.00	1719
Dicember	3566	4792	5316	5905	5752	6044	6109.00	1671
Total	36,558	39,575	52,400	56,702	57,394	59,529	58,772.00	28,557

SITC 2020

Quarantine Treatments



-51.4% 2020 in comparison with 2019 data



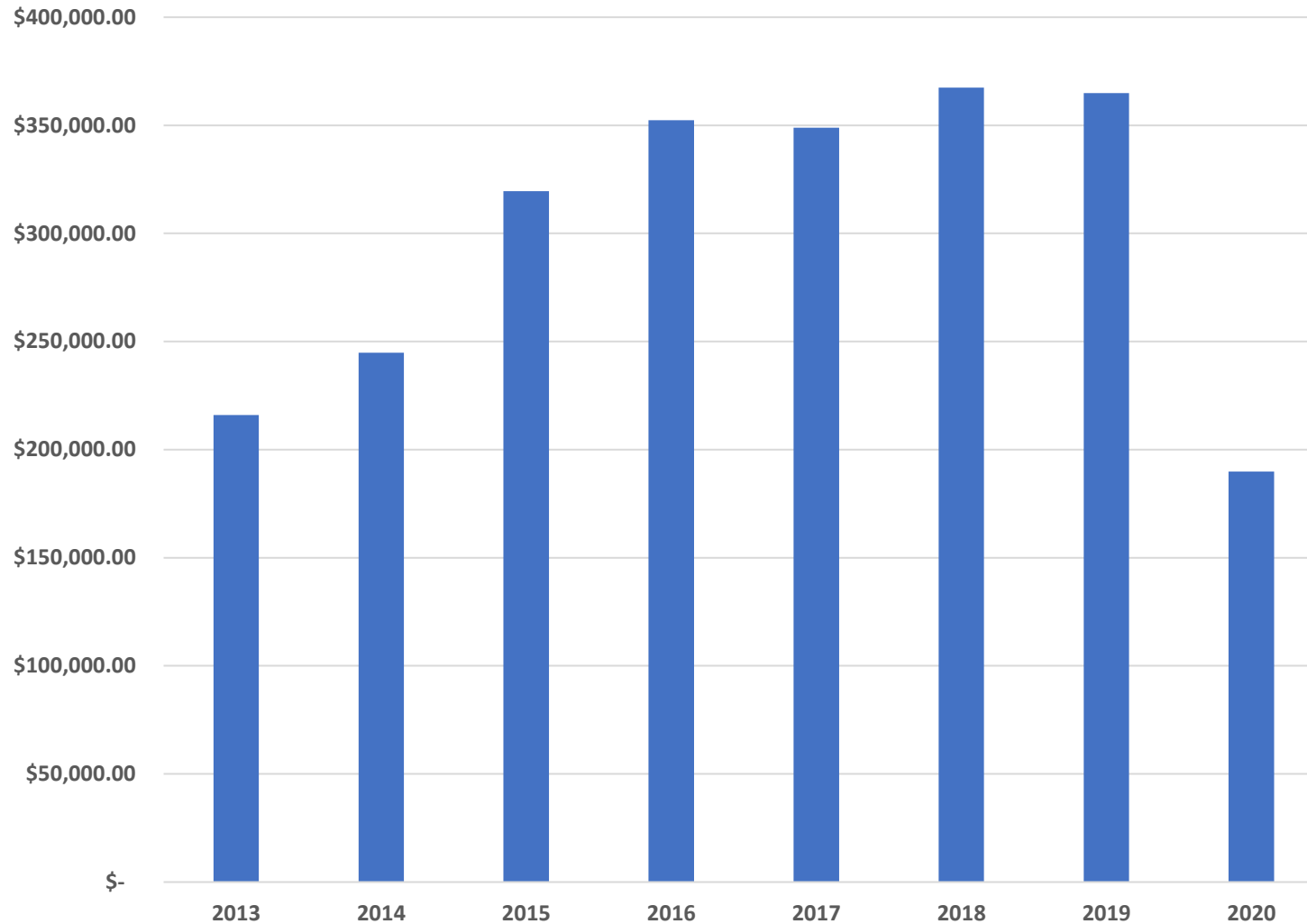
SITC 2020

Mes	Income per Treatments US\$							
	Año							
	2013	2014	2015	2016	2017	2018	2019	2020
Enero	\$ 17,950.00	\$ 18,770.00	\$ 26,579.50	\$ 29,835.50	\$ 33,286.50	\$ 30,326.50	\$ 34,502.50	\$ 29,101.00
Febrero	\$ 16,588.50	\$ 17,084.50	\$ 25,111.00	\$ 28,283.00	\$ 28,553.50	\$ 28,477.00	\$ 29,535.50	\$ 26,783.50
Marzo	\$ 20,510.50	\$ 20,115.00	\$ 32,723.00	\$ 32,946.00	\$ 31,207.50	\$ 35,687.00	\$ 31,561.50	\$ 24,925.50
Abril	\$ 18,785.50	\$ 22,646.00	\$ 28,711.00	\$ 28,161.00	\$ 32,111.00	\$ 31,988.50	\$ 37,255.00	\$ 9,716.50
Mayo	\$ 18,721.50	\$ 20,360.50	\$ 26,059.00	\$ 29,031.00	\$ 28,828.00	\$ 30,784.50	\$ 30,432.00	\$ 10,991.50
Junio	\$ 18,873.00	\$ 19,502.00	\$ 26,216.00	\$ 30,553.00	\$ 29,239.00	\$ 29,009.50	\$ 30,305.00	\$ 11,311.00
Julio	\$ 18,431.00	\$ 20,236.50	\$ 25,971.50	\$ 30,300.50	\$ 29,045.00	\$ 30,367.50	\$ 31,312.50	\$ 11,758.00
Agosto	\$ 17,288.50	\$ 19,868.00	\$ 23,790.00	\$ 26,622.00	\$ 26,660.50	\$ 29,861.50	\$ 29,420.50	\$ 12,521.50
Septiembre	\$ 14,729.00	\$ 17,022.50	\$ 22,116.50	\$ 25,368.00	\$ 22,386.50	\$ 24,706.00	\$ 23,354.00	\$ 11,553.00
Octubre	\$ 17,407.00	\$ 19,380.50	\$ 23,309.50	\$ 25,385.50	\$ 25,998.50	\$ 28,295.50	\$ 25,216.50	\$ 13,247.50
Noviembre	\$ 17,100.50	\$ 21,073.00	\$ 27,151.00	\$ 30,243.50	\$ 27,638.50	\$ 31,275.50	\$ 26,397.50	\$ 12,158.50
Diciembre	\$ 19,573.50	\$ 28,688.00	\$ 31,730.00	\$ 35,652.50	\$ 33,958.50	\$ 36,645.50	\$ 35,607.50	\$ 15,723.50
Total	\$ 215,958.50	\$ 244,746.50	\$ 319,468.00	\$ 352,381.50	\$ 348,913.00	\$ 367,424.50	\$ 364,900.00	\$ 189,791.00

-47.99% 2020
in comparison
with 2019

SITC 2020

Income per Treatments



-47.99% de
2020 en
comparación
con 2019

TRAINING

- A. Due to the Covid 19 pandemic – No participatory training was conducted.
- B. All trainings was done on line (Virtual) –
 - A. Australia fumigation standard (AFAS) with Methyl Bromide. 5 persons from OIRSA SITC; 29 from BAHA
 - B. PrepVet: 1 OIRSA, 3 BAHA & 2 Private sector
 - C. Regional Workshop fusarium tropical race 4 (Foc R4T) among others
 - D. Flying locust & others....

El Organismo Internacional Regional de Sanidad Agropecuaria

Reconoce que:

Carlos Humberto May

Ha completado con éxito el siguiente curso:

Procedimientos en tratamientos cuarentenarios con bromuro de metilo conforme a la norma australiana de fumigación (AFAS)

con una duración de 60 horas estimadas de estudio.

San Salvador, El Salvador, 12 de julio de 2020.

Constancia de Participación



II JORNADA FITOSANITARIA VIRTUAL

1. Reunión del comando fitosanitario: situación actual de la marchitez del banano por FocR4T. 6 de mayo 2020

2. Medidas de higiene y bioseguridad para prevenir COVID-19 en la producción pecuaria, acuícola y pesquera y garantizar la inocuidad. 13 de mayo de 2020

3. Foro sobre Amenazas Fitosanitarias ante pandemia del COVID-19. 20 de mayo 2020

4. Cambio climático en la adversidad por COVID-19. 27 de mayo 2020

Todas las sesiones:
9:00 horas Centroamérica / 10:00 horas México y Panamá / 10:00 horas: Bogotá, Quito, Lima / 11:00 horas: La Paz

Videoconferencias a través de **You Tube** en: <https://bit.ly/2R56Buo>

Logos: FAO, OIRSA, COMUNIDAD ANDINA, AÑO INTERNACIONAL DE LA SANIDAD VEGETAL 2020

JORNADA FITOSANITARIA EN ÉPOCA DE PANDEMIA COVID-19

Videoconferencias sobre:

7 de abril 2020
11:00 horas México / 10:00 horas Centroamérica
Análisis de riesgo de plagas como herramienta ante una pandemia

14 de abril 2020
11:00 horas México / 10:00 horas Centroamérica
Intercambio de experiencia en medidas de bioseguridad, para prevenir casos de COVID-19 en la cadena producción de banana y plátano

21 de abril 2020
11:00 horas México, 10:00 horas Centroamérica
Caficultura vs COVID-19

28 de abril 2020
11:00 horas México / 10:00 horas Centroamérica
Prevenición y manejo fitosanitario durante pandemias humanas: COVID-19

Logos: FAO, OIRSA, COMUNIDAD ANDINA, AÑO INTERNACIONAL DE LA SANIDAD VEGETAL 2020

AGM MAFSE 2021



NATIONAL PROGRAMS

- The Budget allocated for APN was US\$4,008.26
 - 4 laptops were purchased for BAHA to be used by Quarantine at the ports of entry, Acecuda



V. PHMB Program & Biological control of pest

Resolution of LXVIII Virtual Meeting of CIRSA 8/05/20

1. Continue with the financial assistance for the production of *Anagyrus kamali* until there is demand of the product by member countries...
2. That portion of the funds assigned for *A. kamali* be used to implement a Project for rearing of other natural enemies of pest until it is financially sustainable.
3. That the laboratory in Belize implement the production of other parasitoids for the integrated control of pest and disease for the OIRSA member countries like *Chrysoperla* and *Trichogramma*, authorizing Dr. Carlos Urias, Technical director of Plant Health, to assist in the implementation.

V. PHMB Program & other biological control agents

Month	Re Stock	Release	Total	%
Jan	6,815	24,000	30,815	4
Feb	24,735	33,500	58,235	8
Mar	42,820	63,250	106,070	15
Apr	39,595	37,750	77,345	11
May	21,550	40,000	61,550	9
Jun	18,170	10,250	28,420	4
Jul	34,800	34,250	69,050	10
Aug	31,055	35,250	66,305	9
Sept	36,315	70,500	106,815	15
Oct	17,180	38,500	55,680	8
Nov	10,745	4,000	14,745	2
Dec	11,645	11,500	23,145	3
Total	295,425	402,750	698,175	100
	42	58	100	100

- **Production of *Anagyrus kamali* 2020**

- **Release of *Anagyrus kamali***

District	No. A. kamali	%
Corozal	0	0
Orange Walk	4,000	1
Belize	14,000	3.5
Cayo	84,250	21
Stann Creek	82,500	20
El Salvador	0	0
Guatemala	218,000	54
Costa Rica		0
Toledo	0	0
Total	402,750	100

PHMB Program & other biological control agents

Objectives

1. Start the production of Chrysoperlas
2. Start the production of Trichogramma
3. Reestructure the lab building to accommodate these 2 species.



Chrysoperla carnea

- 3 ml of eggs planted in the Lab
- Up to the 31st December 2020 have collected 15.636 grams of eggs of *C. carnea*
- Eggs are planted when collected

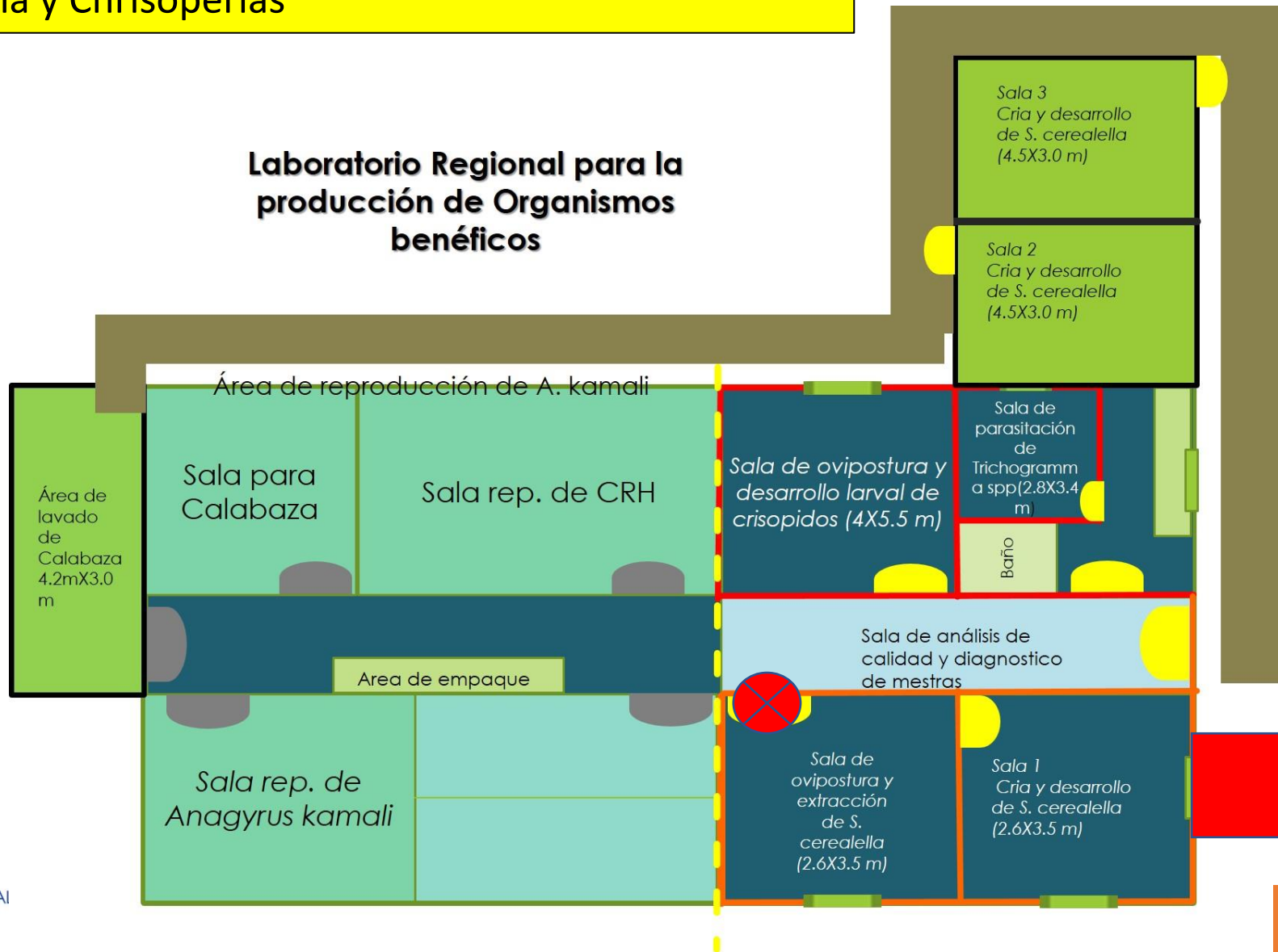


Trichogramma pretiosum

- Date of planting: 16th November 2020
- Up to 31st December, some 113.5 sheets of 50² inches, from 2 sheets planted

Reestructure of the building to accommodate the production of Trichogramma y Chrisoperlas

Laboratorio Regional para la producción de Organismos benéficos



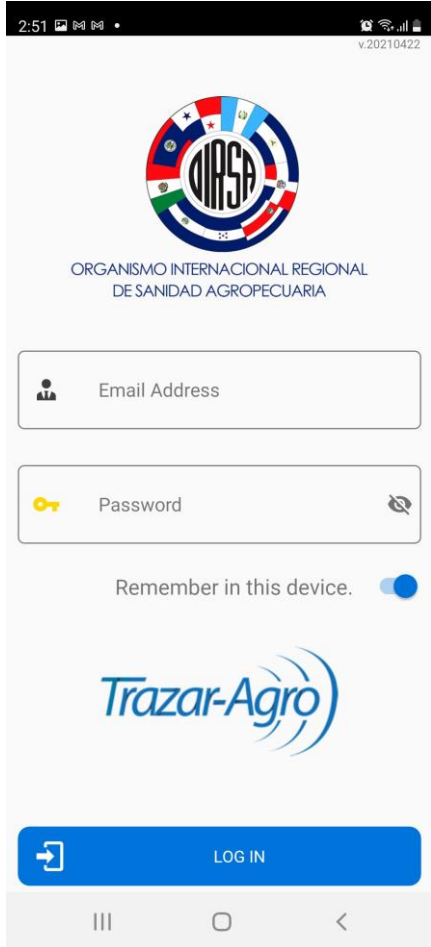
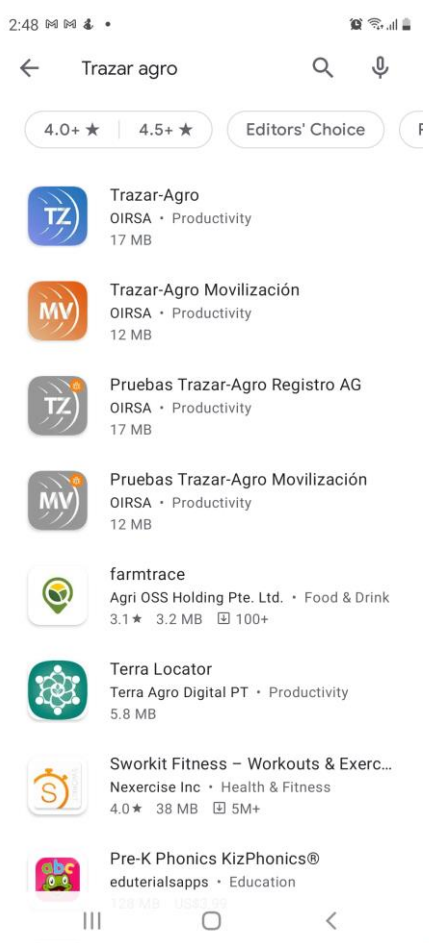
PROGRAMMED ACTIVITIES 2021

- Field trials for the control lepidopteras stem borrhers, with the use of Trichogramma
- Field trials for the control of thrips, white fly, aphids among others, with the use of Chrysoperlas
- Public awareness and commercialization of the natural enemies.



REGIONAL PROGRAMS - Bze

- ANIMAL HEALTH
 - Regional meeting – Veterinary Drug Registration group
 - Acuaculture working group
 - Bovine traceability with BLPA
 - Sheep & Goat Registry in place



ANIMAL HEALTH AND FOOD SAFETY (AGRICULTURAL HEALTH)

TRACEABILITY OF ANIMALS, PRODUCTS AND BYPRODUCTS OF AGRICULTURAL ORIGIN

HISTORICAL STOP SYSTEM AND DEATHS (REDUCTION)

MOVEMENT CONTROL SYSTEM

REGISTRY AND IDENTIFICATION SYSTEM

TZ

BOVINE



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APIARY



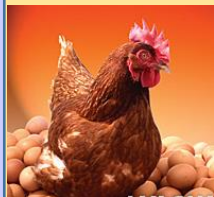
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SWINE



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POULTRY



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SHRIMP



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LOBSTER



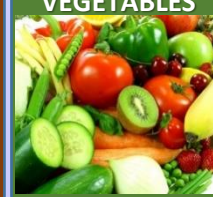
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COFFEE



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FRUITS &
VEGETABLES



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CITRUS



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AGRICULTURE,
LIVESTOCK,
ACUACULTUR,
FISHERIES &
FORESTRY.

NATIONAL REGISTRY OF PERSONS AND AGRICULTURAL ESTABLISHMENTS
AGRICULTURE, LIVESTOCK, ACUACULTURE, FISHERIES AND FORESTRY

THIRD
LEVEL

SECOND
LEVEL

FIRST
LEVEL

TRAZAR – AGRO



ORGANISMO INTERNACIONAL
REGIONAL DE SANIDAD
AGROPECUARIA

REGIONAL PROGRAMS - Bze

- **PLANT HEALTH**
 - **Regional Training – Flying locust**
 - Foc TR4
 - Different working groups (medfly, certification, Foc TR4 etc)
 - **Diploma courses:**
 - Flying locust management
 - Foc TR4 management
- **Coordination of work along with BAHA, MAFSE, Met Dpt, BLPA to work on weather forecast & its possible effects to Agricultural Health**



SEASONAL WEATHER FORECAST & ITS EFFECTS TO AGRICULTURAL HEALTH FOR BELIZE April to June 2020				
				Alert Level
				No Concern
				Drought Watch
				Drought Warning
LIVESTOCK	Zone	District	Possible Effects and actions to mitigate effect	
1 Poultry	North	Corozal & Orange Walk	<p>Possibility of exotic diseases such as avian influenza, fowl pox, new castle being introduced due to migrating birds from the North.</p> <p>Continue to monitor and report any possible case of these diseases. Continue monitoring and provide adequate water and feed supply to poultry barns. Implement adequate ventilation where possible to the barns Implement adequate water storage systems for the upcoming drier months Increase biosecurity measures in poultry farms and barns</p>	
			Possibility of drier months and introduction of exotic diseases due to migrating birds	

REGIONAL PROGRAMS - Bze

FOOD SAFETY

Diploma course on HACCP for
Technician



Hurricane Eta & Iota

13th November, CIRSA approved US\$100,000.00 per member state that was affected.

Bze Developed a work plan: MAFSE 52%, BAHA 46%, Evaluation 2%



Gracias ¡Thank you!

