



ANUAL REPORT 2021

OIRSA BELIZE

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22nd April, 2022
Belmopan, Belize

SITC (International Quarantine Treatment Service)

1. SITC 2021
2. Non-Intrusive Quarantine Inspection
3. APR – Regional Program Assistance
4. Traceability
5. Regional & Local Programs
6. Biological Control Program

QUARANTINE TREATMENTS SITC 2021

Month	YEAR			
	2018	2019	2020	2021
January	4812	5416.00	4266	1696
February	4918	4508.00	4509	13492
March	5629	4778.00	3931	16787
April	5245	6102.00	1515	18588
May	4896	4942.00	1675	20791
June	4958	4818.00	1759	8340
July	4730	4665.00	1900	5871
August	4715	4841.00	1953	2705
September	3961	3897.00	1740	2582
October	4796	4207.00	1919	2650
November	4825	4489.00	1719	3275
December	6044	6109.00	1671	3293
Total	59,529	58,772	28,557	100,070
				CFZ = 68,874

9.24%
31,196

INGRESOS SITC 2021

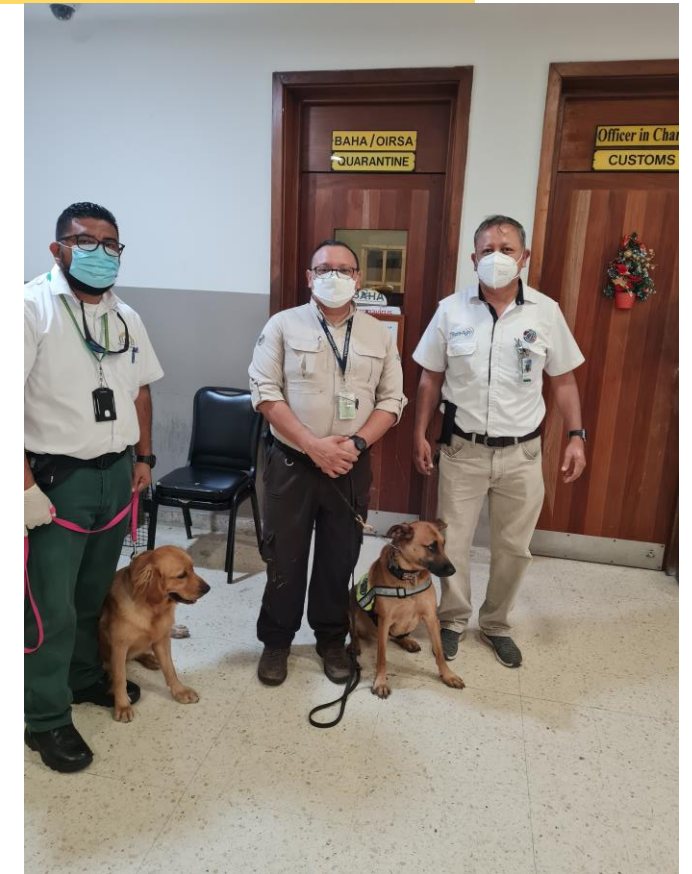
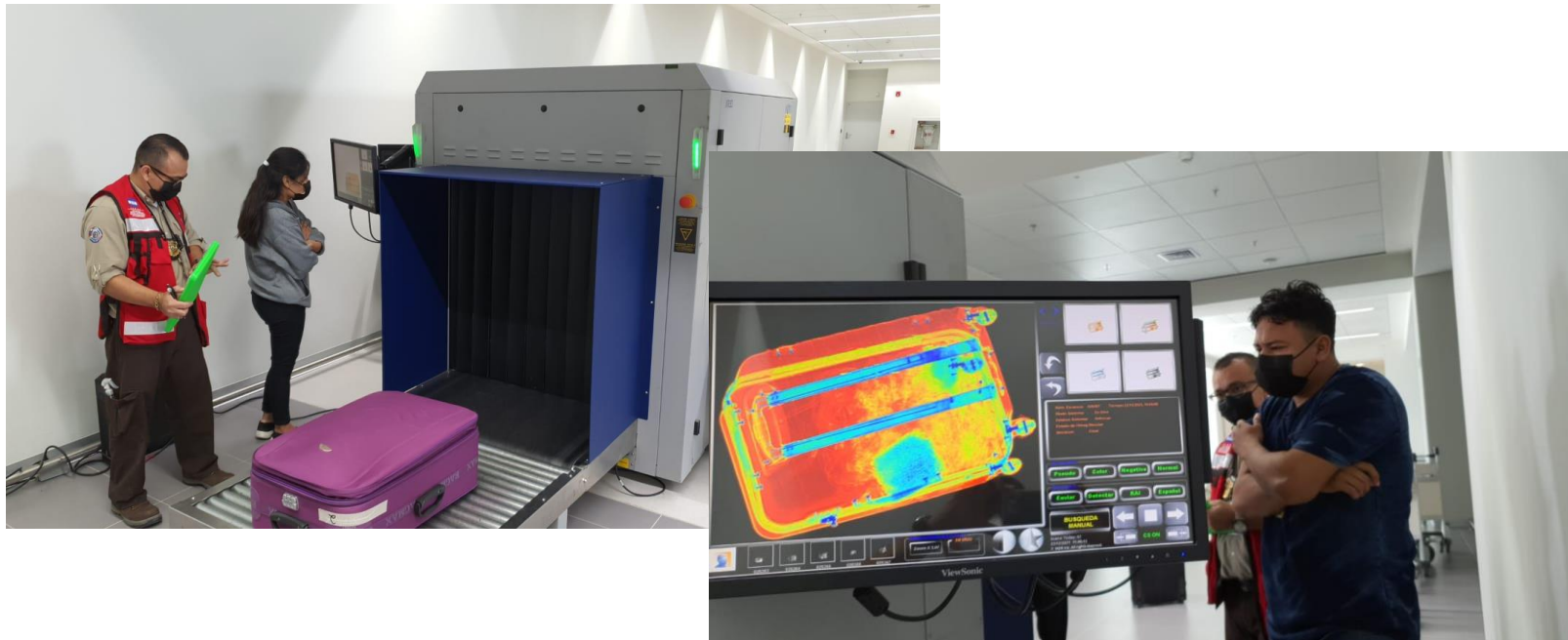
Month	2018	2019	2020	2021
January	\$ 30,326.50	\$ 34,502.50	\$ 29,101.00	\$ 21,149.50
February	\$ 28,477.00	\$ 29,535.50	\$ 26,783.50	\$ 14,965.50
March	\$ 35,687.00	\$ 31,561.50	\$ 24,925.50	\$ 25,664.70
April	\$ 31,988.50	\$ 37,255.00	\$ 9,716.50	\$ 25,628.80
May	\$ 30,784.50	\$ 30,432.00	\$ 10,991.50	\$ 28,905.88
June	\$ 29,009.50	\$ 30,305.00	\$ 11,311.00	\$ 22,915.00
July	\$ 30,367.50	\$ 31,312.50	\$ 11,758.00	\$ 22,183.33
August	\$ 29,861.50	\$ 29,420.50	\$ 12,521.50	\$ 19,450.50
September	\$ 24,706.00	\$ 23,354.00	\$ 11,553.00	\$ 17,945.50
October	\$ 28,295.50	\$ 25,216.50	\$ 13,247.50	\$ 18,209.00
November	\$ 31,275.50	\$ 26,397.50	\$ 12,158.50	\$ 22,833.00
December	\$ 36,645.50	\$ 35,607.50	\$ 15,723.50	\$ 24,260.50
Total	\$ 367,424.50	\$ 364,900.00	\$ 189,791.00	\$ 264,111.20
				CFZ = 68873.40

39.16%
2.9%
195,238

Establishing the non-intrusive Quarantine inspection

October 2021 it was agreed to implement the non-intrusive quarantine inspection service with the use of X-Rays

1. Ministry of Tourism to cover cost of operation for the first 3 months
2. OIRSA hires personnel
3. Training in Comayagua, Honduras
4. January 2022, the non-intrusive quarantine inspections starts.



August 2021 Training in Panama of Canine Unit
December 2021 starts in PGIA

Establishing the non-intrusive Quarantine inspection

Date	# of Bags Tag	Items Detected
1	5	Dog food, Liquid Detergent, Tide Pod, Seaweed, Dog treats, Pork Sausage , Apple, Banana
2	17	Henna, Pretzel, Gluten free flour, tea bags, roasted nuts, peanut butter, cheese, proteins shake, roasted nuts, organic vitamins, vegan meats (sausage, patties, wings, tortillas), granola bars, Indian cakes & pastries, candies, coffee, beef jerky, biscuit, trail mix, coffee mate.
3	8	Corn flakes, Roasted pecans, Biscuits, Candies, Peanuts, Vitamin C tablets, Orange , Cake, Cheese, Ceramic oats, Tangerine , Canned chopped ham, Pepperoni, Apples
4	5	Trial Mix, Water, Lotions, Ramen, Canned foods, Cookies, Chocolates
5	12	Medical Supplies, Clothing, Kitchen Supplies, Snacks, Lotions

Regional Assistance Program A.P.R. 2021

	Aprobado	Ejecutado
Hurricane Eta & Iota	\$ 100,000.00	\$ 98,676.00
Giant African Snail	\$ 16,000.00	\$ 5,199.00
African Swine Fever	\$ 3,622.50	\$ 3,622.50
Newcastle Disease	\$ 19,315.00	\$12,700.00 *
Flying Locust	\$ 3,868.50	0.0
Foc TR4	\$ 4,360.75	0.0

Newcastle Disease outbreak – Toledo/Bze Dist.
+US\$19,000.00

TRACEABILITY 2021

Acquire a 40ft container for storage facility.



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



TZ

APIARY



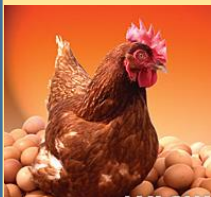
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SWINE



TZ

POULTRY



TZ

SHRIMP



TZ

LOBSTER



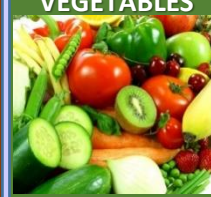
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COFFEE



TZ

FRUITS &
VEGETABLES



TZ

CITRUS



TZ

Sheep & Goat,



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

TRAZAR – AGRO

THIRD
LEVEL

SECOND
LEVEL

FIRST
LEVEL



ORGANISMO INTERNACIONAL
REGIONAL DE SANIDAD
AGROPECUARIA

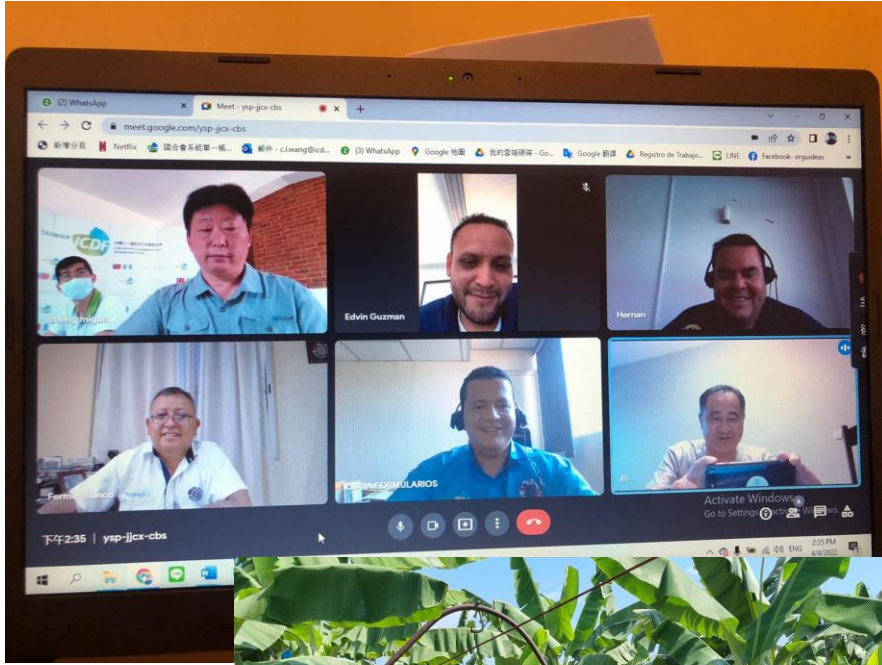
POST EVALUATION OF HLB Project 2021

Post evaluation of HLB Project carried out, financed by ROC Taiwan & OIRSA.

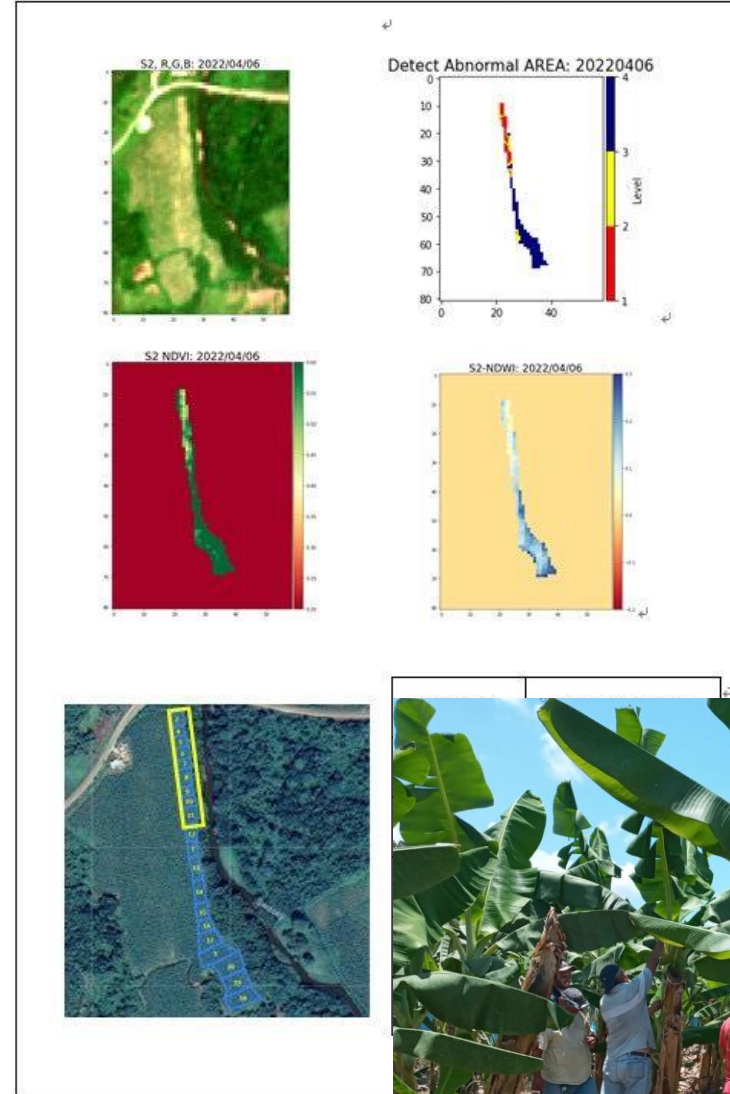


Banana Wilt (Fusarium)

Pilot project for monitoring using satellite imagery, ROC Taiwan/OIRSA



植物病害監測發布通知





Banana Wilt (*Fusarium oxysporum* TR4)

- Project for strengthening the banana industry against Foc TR4
- Laboratory capacity



Banana Wilt (*Fusarium oxysporum* TR4)

- Project for strengthening the banana industry against Foc TR4
- Tolerant varieties – Tissue culture UB CF
- Strengthen BIOSECURITY



Banana Wilt (*Fusarium oxysporum* TR4)

- Key Players

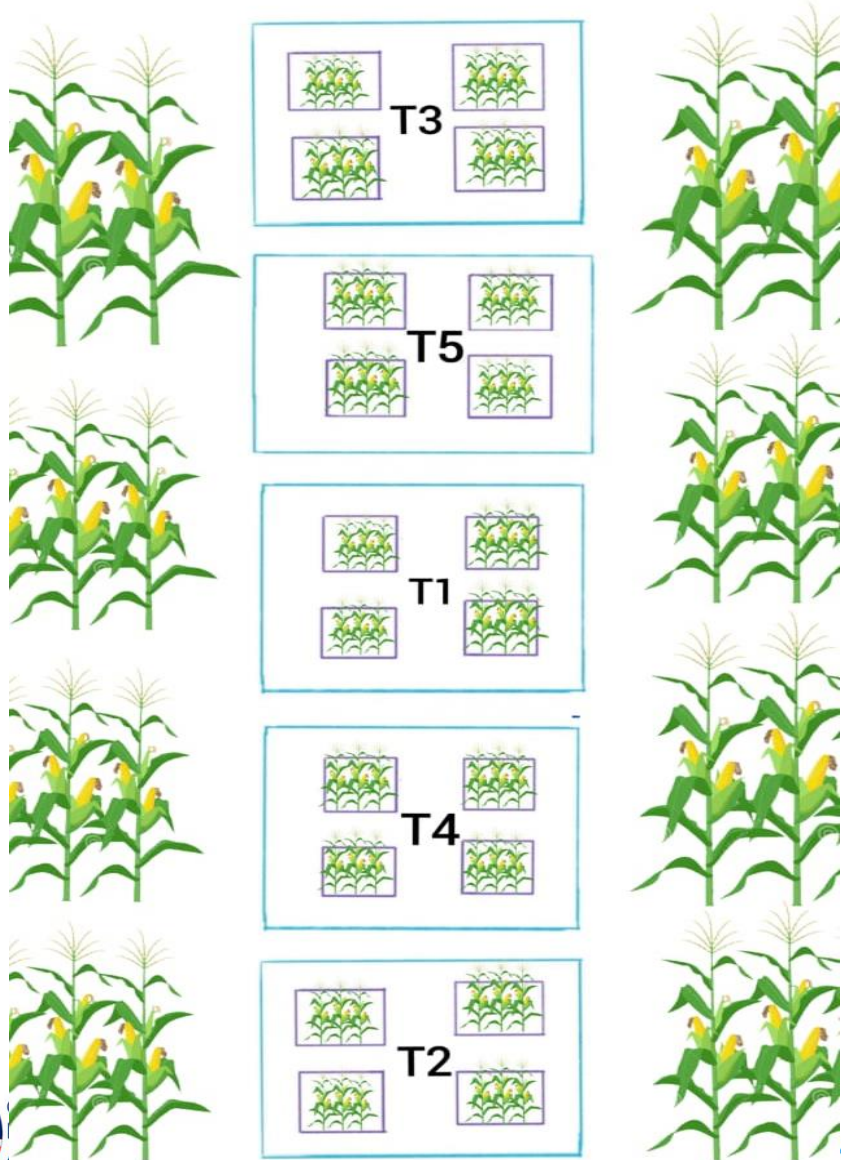


BIOLOGICAL CONTROL PROGRAM 2021

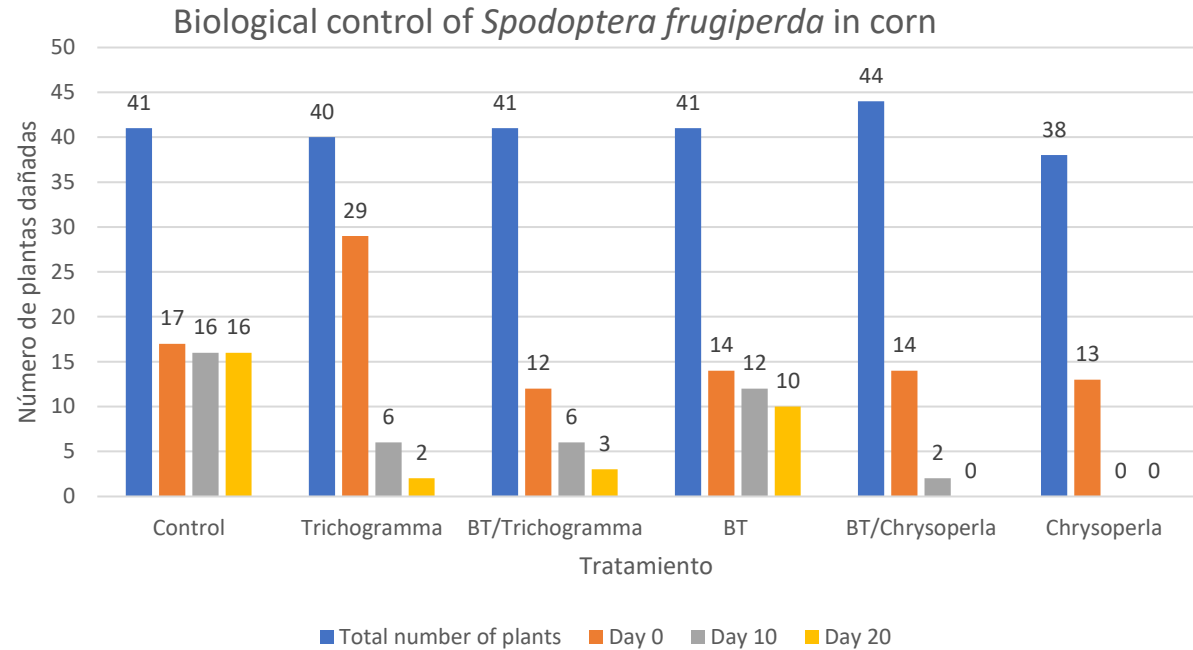
	Reproduction	Released	Total
<i>Anagyrus kamali</i>	117,105	235,750	352,855
<i>Crysoperla carnea</i>	248.517ml	215.28 + 36.75ml	500.55ml
<i>Trichogramma pretiosum</i>	24,675 inch ²	5,350 + 110 inch ²	39,087.5 inch ²



BIOLOGICAL CONTROL PROGRAM 2021



Trial for the control of corn ear worm, *Spodoptera*



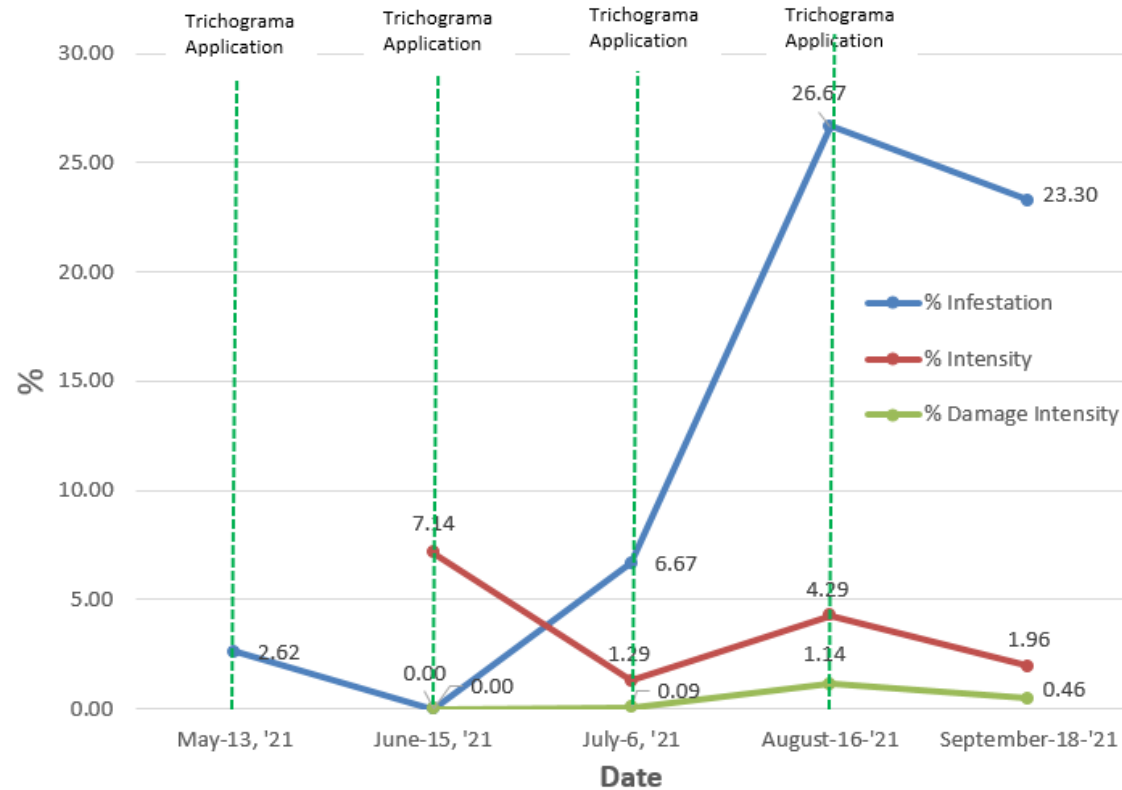
BIOLOGICAL CONTROL PROGRAM 2021

Biological control of *Diatraea saccharalis* on sugar cane plantations with SIRDI.



BIOLOGICAL CONTROL PROGRAM 2021

Results of biological control of *Diatraea saccharialis* on sugar cane plantations with SIRDI.





BIOLOGICAL CONTROL PROGRAM 2021



BIOLOGICAL CONTROL PROGRAM 2021

Recommendations:

- As an alternative for pesticide
- Organic and healthy production systems
- Friendly to the environment
- Ministry should have a Biological control section to promote health food production



GRACIAS / THANK YOU

