

# Latin American Pesticide Residue Mitigation through the Promotion of Biopesticides and other Integrated Pest Management Control Options for the Enhancement of Agricultural Trade Opportunities



# Objective

Promote the use of biopesticides and other integrated pest control options on export crops in Latin America and the Caribbean to improve compliance with pesticide MRLs and facilitate agricultural trade.

## Supporting countries, institutions

- Argentina-Servicio Nacional de Sanidad y Calidad Agroalimentaria (Senasa)
- Paraguay-Servicio Nacional de Calidad y Sanidad Vegetal y de Semillas (SENAVE)
- Bolivia-Servicio Nacional de Sanidad Agropecuaria e Inocuidad alimentaria (SENASAG)
- Perú-Servicio Nacional de Sanidad Agraria (Senasa)
- Ecuador-Agrocalidad
- Colombia-Ministerio de Agricultura y Desarrollo Rural (MADR)
- Costa Rica – Servicio Fitosanitario del Estado (SFE)
- Nicaragua - Instituto de Protección y Sanidad Agropecuaria (IPSA)
- El Salvador – Dirección General de Sanidad Vegetal – Ministerio de Agricultura.
- Honduras – Servicio Nacional de Sanidad e Inocuidad Agroalimentaria (SAG-SENASA)
- Guatemala – Viceministerio de Sanidad Agropecuaria y Regulaciones VISAR - MAGA
- CropLife para Latinoamérica
- Asociación Colombiana de Bioinsumos (ASOBIOCOL)
- Asociación Gremial de Exportadores de Pasifloras de Colombia-AVANCE PASIFLORAS
- Dominican Republic-TBD



## Project Preparation Grant – 2021-2022

Start Date 01/04/2021

### LATIN AMERICAN RESIDUE MITIGATION THROUGH THE PROMOTION OF BIOPESTICIDES FOR ENHANCEMENT OF TRADE OPPORTUNITIES

The aim of this PPG is to prepare a project proposal to develop and implement a coordinated regional approach on biopesticides in the Latin American region, which would support the inclusion of biopesticides as part of Integrated Pest Management (IPM) programmes. This PPG complements STDF's work on biopesticides in Africa and Asia.

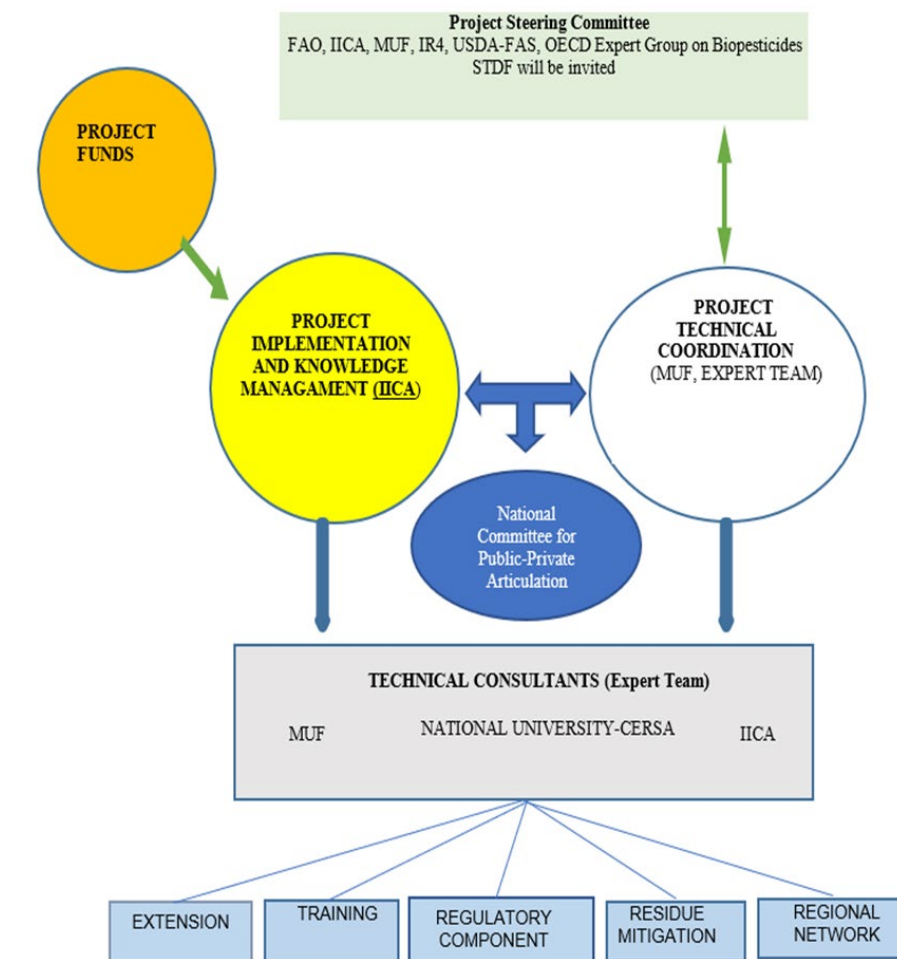
STDF/PPG/753	
STATUS	On-going
PROJECT VALUE (US\$)	32,928
STDF CONTRIBUTION (US\$)	32,928
BENEFICIARIES	
Argentina	
Bolivia	
Colombia	
Costa Rica	
Ecuador	
El Salvador	
Guatemala	
Honduras	
Nicaragua	
Peru	
Paraguay	
PARTNERS	
Inter-American Institute for Cooperation on Agriculture (IICA)	

**DOCUMENTS**

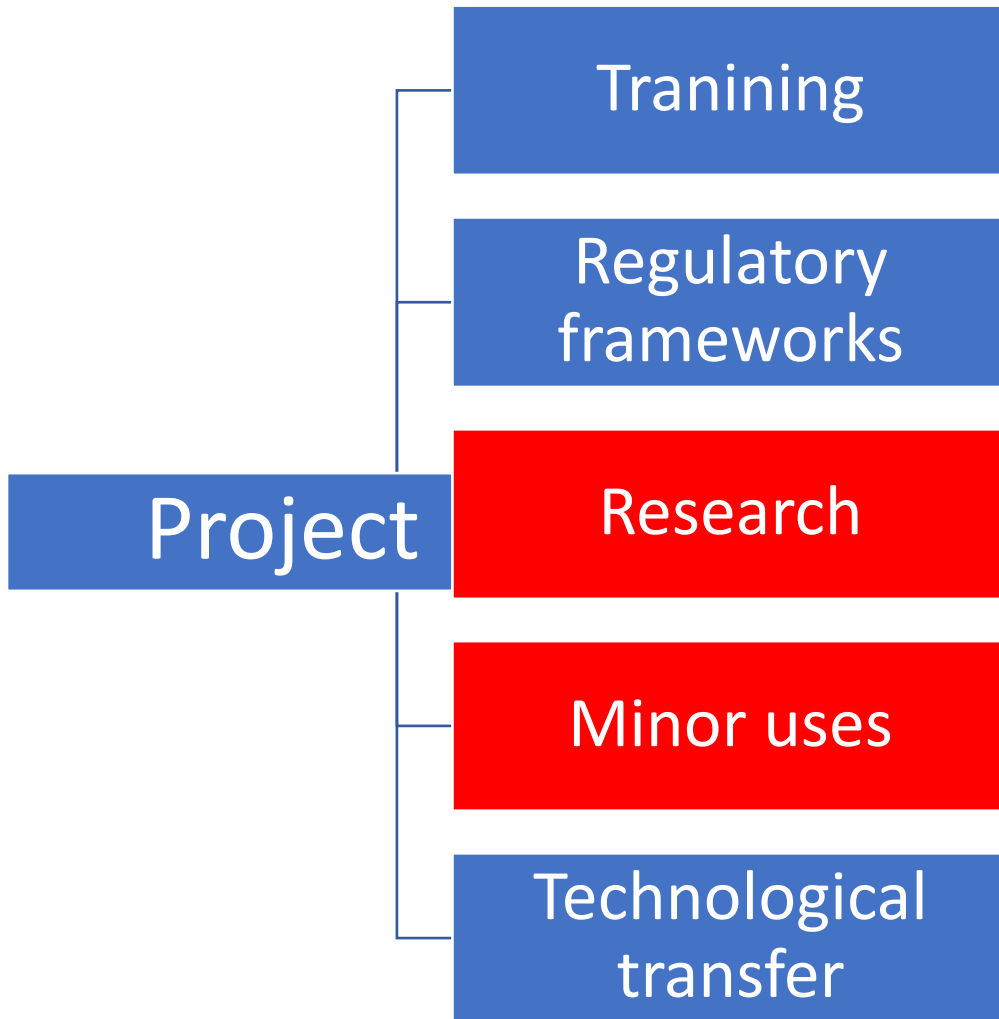
Attachment	Size
<a href="#">STDF/PPG/753 - Application Form.pdf</a>	398.39 KB

[PDF](#)

## Project Grant – 2022-2025



# Outputs



**Residue data and improved knowledge to interpret it on the use of biopesticides (Residue Mitigation Studies)**

**Regional strategy to improve the supply of phytosanitary solutions for minor crops established (Minor Use Foundation Chapter Latin America)**



## Scenario 1: MRL exists in target markets, but MRLs exceeded

Crops	Pest(s)	Chemical pesticide(s)
Plantain	<i>Fusarium oxysporum</i> f.sp. cubense	imazalil, diflubenzurón, tebuconazol
Plantain	Antrachnose ( <i>Colletotrichum musae</i> )	imazalil, diflubenzurón, tebuconazol
Plantain	Thrips ( <i>Frankliniella párvula</i> - <i>Chaetanaphothrips signipennis</i> )	chlorpyrifos, imidacloprid, pyrethroids
Avocado	Mites	spiromesifen, abamectina
Avocado	Whiteflies	spiromefesina, abamectina
Avocado	Leaf miners	espiromefesina, abamectina
Passion fruit	<i>Cladosporium</i> (Roña) ( <i>Cladosporium cladosporioides</i> ) <i>Botrytis</i> ( <i>Botrytis cinerea</i> ) Antrachnose ( <i>Colletotrichum gloesporioides</i> )	difenoconazol
Snow peas	Various insects	profenophos, thiamethoxam, abamectin, emamectin benzoate
Citrus	Various pathogens (spots, fungi)	carbendazim, imazalil, mancozeb

## Scenario 2: There are no MRLs for pesticides in destination markets, causing trade disruptions

Crop	Pest(s)	Chemical pesticide(s)
Plantain	Black Sigatoka ( <i>Mycosphaerella fijiensis</i> )	mancozeb, methyl thiophanate, carbendazim, triazoles
Plantain	Banana weevil ( <i>Cosmopolites sordidus</i> )	chlorpyrifos
Café	Coffee borer beetle ( <i>Hypothenemus campei</i> )	chlorpyrifos
Passion fruit	Insect pests	metomilo, fipronil, cipermetrina, dimetoato, omethoate
Snow peas	Fungal pathogens	clorotalonil
Cilantro	Insect pests	acephate, diazinon, dimethoate, fipronil, indoxacarb, omethoate
Sweet potato	Insect pests	flonicamid
Sesame	Cutter ants, loccust, caterpillars, aphids, thrips	clorpirifos, fipronil, carbaril, imidaclopid, ethropos
Avocado	Fungal pathogens	flutrialfol

## Scenario 3: Pests with available IPM strategies

Crop	Pest(s)	Chemical pesticide(s)
Coffee	Antrachnose	coxicloruro superior
Cilantro	Fungal pathogens	tebuconazol, triadimenol
Cocoa	<i>Phytophthora</i> sp.	mancozeb, ethaboxam, fluopicolide, proparmocarb, amectotradin, dimethomorph, metalaxyl
Dragon fruit	Insect pests	dimethoate, emmamectin benzoate, cyhalothrin lambda, profenofos
Pineapple	<i>Phytophthora</i> sp.	mancozeb, ethaboxam, fluopicolide, proparmocarb, amectotradin, dimethomorph, metalaxyl
Sweet potato	Fungal pathogens	carbendazim, thiophanate-methyl, prochloraz



# What is expected from the workshop in September 27th?

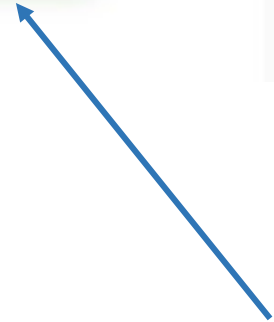
For companies and experts to nominate new solutions or biological solutions for the prioritized crop/pesticide combinations, so they could be included in the Project's experimental trials (decline curves and efficacy studies)

Deadline: July 26th





# Submit Solutions – 2022 LAC Regional Priority Setting Workshop

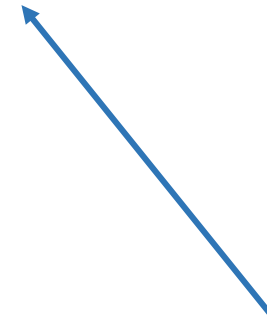
[Workshop Info](#)[Nominate Priorities](#)[Submit Solutions](#)

## Instructions

View the list of crop/pest combinations and existing plant protection products and consider alternate chemical, biological, or integrated pest management solutions to submit for consideration in experimental trials.

[Click to view the Prioritized Crop/Pest Combinations and Existing Plant Protection Products.](#)

Download



## Scenario 1: MRL exists in target markets, but MRLs exceeded

Crops	Pest(s)	Chemical pesticide(s)
Plantain	Fusarium oxysporum f.sp. cubense	imazalil, diflubenzurón, tebuconazol
Plantain	Antracnosa (Colletotrichum musae)	imazalil, diflubenzurón, tebuconazol
Plantain	Thrips (Frankliniella parvula)(Chaetanaphothrips signipennis)	chlorpyrifos, imidacloprid, pyrethroids
Avocado	Mites	spiromesifen, abamectina
Avocado	Whiteflies	spiromefesina, abamectina
Avocado	Leaf miners	espiromefesina, abamectina
Passion fruit	Cladosporium (Roña) (Cladosporium cladosporioides) Botrytis (Botrytis cinerea) Antracnosa (Colletotrichum gloeosporioides)	difenoconazol
Tirabeques	Various insects	profenophos, thiamethoxam, abamectin, emamectin benzoate
Citrus	Various pathogens (spots, fungi)	carbendazim, imazalil, mancozeb



Scenario 2: There are no MRLs for pesticides in destination markets, causing trade disruptions

[Download Prioritized Crop/Pesticide Combinations](#)
[Download](#)

# Submit Solutions

✓ Well done! All errors are fixed. Done

English (US) -

Click on the language selector for Spanish or Portuguese. Please forgive automatic translation mistakes.

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### LAC Regional Workshop 2022 Solution Submission

Submit new chemical, biological, or integrated pest management solutions for prioritized crop/pest combinations

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### Your Information

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**Name \***

First Name Last Name

**Email \***

example@example.com

**Organization \***



# Submit Solutions

Select the prioritized crop/pesticide combination for which you are submitting new chemical, biological, or integrated pest management solutions from the list below.

Select one crop/pesticide combination \*

## Solution/Plant Protection Product Information

Provide information on chemical, biological, or integrated pest management solutions you are submitting for consideration. Please provide supporting information including active ingredient, efficacy data, and technical documents.

## Chemical Solution

Chemical Solution

Active Ingredient

Efficacy Data Available?  Yes  No

File Upload

## Submit Solutions

Select the prioritized crop/pesticide combination for which you are submitting new chemical, biological, or integrated pest management solutions from the list below.

Select one crop/pesticide combination \*

Select crop/pesticide combination

### Scenario 1 MRL exists but exceeded

- Plantain • Fusarium o.f.sp. Cubense • imazalil-diflubenzurón-tebuconazol
- Plantain • Anthracnose • imazalil-diflubenzurón-tebuconazol
- Plantain • Thrips • chlorpyrifos-imidacloprid-pyrethroids
- Avocado • Mites • spiromesifen-abamectina
- Avocado • Whiteflies • spiromesifen-abamectina
- Avocado • Leaf miners • spiromesifen-abamectina
- Passion fruit • Cladosporium (Rofia) • difenoconazol
- Passion fruit • (Cladosporium cladosporioides) • difenoconazol
- Passion fruit • Botrytis (Botrytis cinerea) • difenoconazol
- Passion fruit • Antracnosis • difenoconazol
- Passion fruit • (Colletotrichum gloesporioides) • difenoconazol
- Tirabeques • Various insects • profenophos-thiamethoxam-abamectin-emamectin benzoate
- Citrus • Spots & fungi • carbendazim-imazalil-mancozeb

### Scenario 2 No MRLs

- Plantain • Black Sigatoka • mancozeb-methyl thiophanate-carbendazim-triazoles
- Plantain • Banana weevil • chlorpyrifos
- Café • Coffee borer beetle • chlorpyrifos
- Passion fruit • Insect pests • metomilo-fipronil-cipermetrina-dimetoato-omethoate
- Snow peas • Fungal pathogens • clorotalonil
- Cilantro • Insect pests • acephate-diazinon-dimethoate-fipronil-indoxacarb-omethoate
- Sweet potato • Insect pests • flonicamid
- Sesame • Various insects • clorpirifos-fipronil-carbaril-imidacloprid-ethropos

English

# Submit Solutions

## Solution/Plant Protection Product Information

Provide information on chemical, biological, or integrated pest management solutions you are submitting for consideration. Please provide supporting information including active ingredient, efficacy data, and technical documents.

### Chemical Solution


Chemical Solution

Active Ingredient

Efficacy Data Available?

 Yes No

File Upload

  
**Browse Files**  
Drag and drop files here

Upload important information such as a label, efficacy data, or residue data that will help the Foundation move forward with identifying top solutions for field trials. Any proprietary information provided will be held in strict confidence. Please clearly mark any proprietary information.

 English





## Submit Solutions

Upload important information such as a label, efficacy data, or residue data that will help the Foundation move forward with identifying top solutions for field trials. Any proprietary information provided will be held in strict confidence. Please clearly mark any proprietary information.

### Biological Solution

Biological Solution

Active Ingredient

Efficacy Data Available?

Yes

No

File Upload



**Browse Files**

Drag and drop files here

Upload important information such as a label, efficacy data, or residue data that will help the Foundation move forward with identifying top solutions for field trials. Any proprietary information provided will be held in strict confidence. Please clearly mark any proprietary information.

**Integrated Pest Management Solution**

English

## Integrated Pest Management Solution

IPM Solution

Active Ingredient

Efficacy Data Available?

 Yes No

File Upload



**Browse Files**

Drag and drop files here

Upload important information such as a label, efficacy data, or residue data that will help the Foundation move forward with identifying top solutions for field trials. Any proprietary information provided will be held in strict confidence. Please clearly mark any proprietary information.

Please review the information above before clicking submit. You will be prompted to submit solutions for another prioritized crop/pest combination after clicking submit.

Submit

English

