



IPM and Pesticides work at Rainforest Alliance

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**OUR VISION
IS A WORLD
WHERE
PEOPLE**



**AND
NATURE
THRIVE IN
HARMONY**

Our global reach

TODAY

7.5+ million

farmers and workers on certified farms

5.7+ million

hectares of certified farmland

7,600

company partners

42,000+

products carry the Rainforest Alliance seal

109

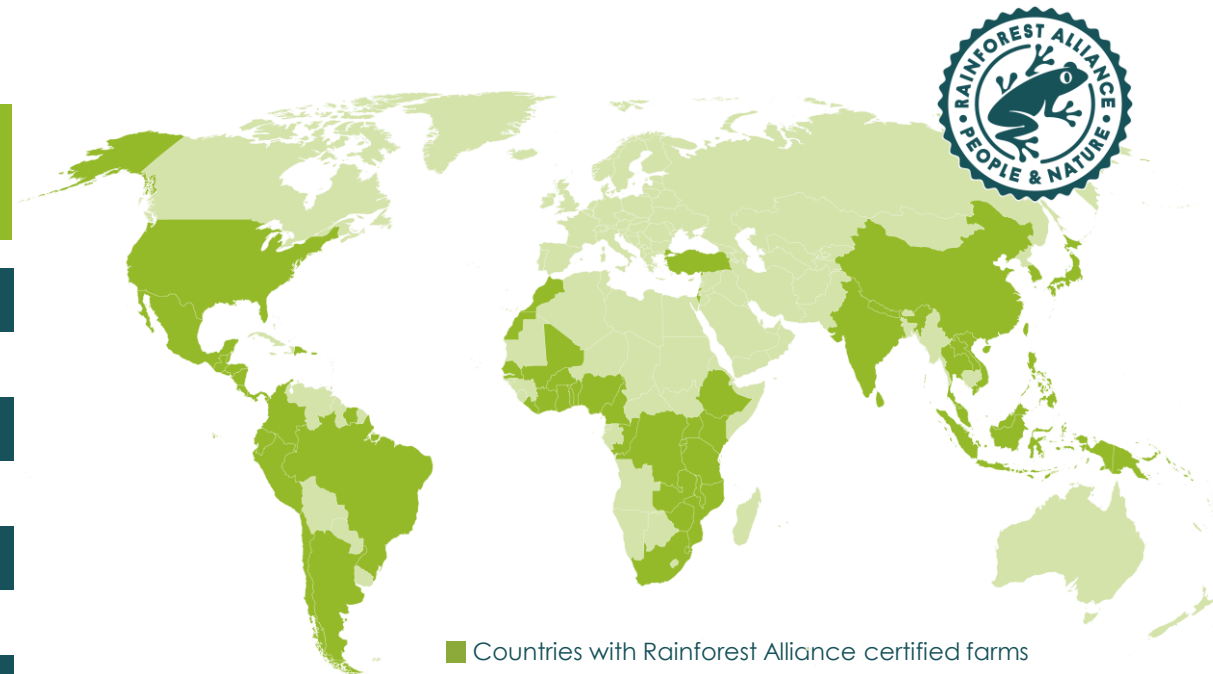
active programs

62

countries with certified farms and projects

61

coalitions and platforms allied with



**Among the largest
farm-to-consumer
standards in the world**

Commodities in Scope



*Rainforest Alliance
certified commodities*

Coffee



Tea



Cocoa



Bananas



Spices



Fruits & Veggies



Flowers



Coconut



Nuts



*Non-RA certified commodities
but present in our landscapes
(impact programs work)*

Palm



Soy



Timber



Rubber



Pulp & Paper



Dairy



IPM strategy – conceptual framework

The Vision is of a holistic approach to IPM

The Practice is of a realistic, science and field-based approach



Climate Smart

Regenerative
Agriculture

Vision



Resilient and productive farms:
reduced use of pesticide, higher biodiversity conservation

Old approach

- Top-down
- Generalized
- Farmers lack resources and information



New approach

- Bottom-up
- Context specific
- More effective training
- Ensure access to information, experts and resources



- Need to harness farmer knowledge and farm data
- Need to compile IPM needs per region



Integrating Pesticide Risk Reduction Across Our Programs



IMPACT PROGRAMS

- Large scale landscape projects, many of them on sustainable or regenerative agriculture with focal topic IPM and reduced pesticide use
- Technical support and capacity building



STRATEGY SUPPORT

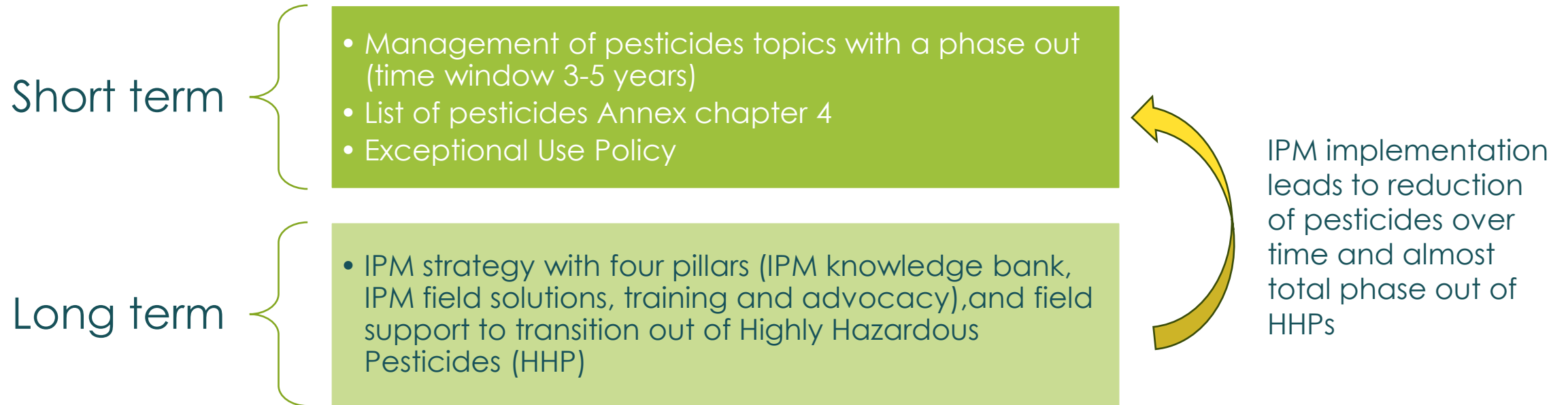
- Supply chain risk assessment for non- certified supply.
- Recommended field projects to help reduce identified risk.
- Focus topic IPM and reduced pesticide use



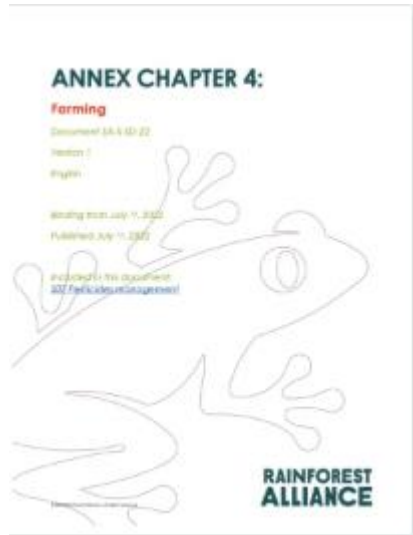
CERTIFICATION SOLUTIONS

- Sustainable Agriculture Standard – Farm requirements (Chapter 4, IPM, Agrochemicals Management)
- Annex chapter 4 – Pesticides Management

The long- and short-term approach



In the certification program



List of Prohibited Pesticides based on FAO/WHO's HHPs classification

- Based on FAO/WHO classification of Highly Hazardous Pesticides
- The list includes **160 active ingredients**
- These substances cannot be used within the certified area

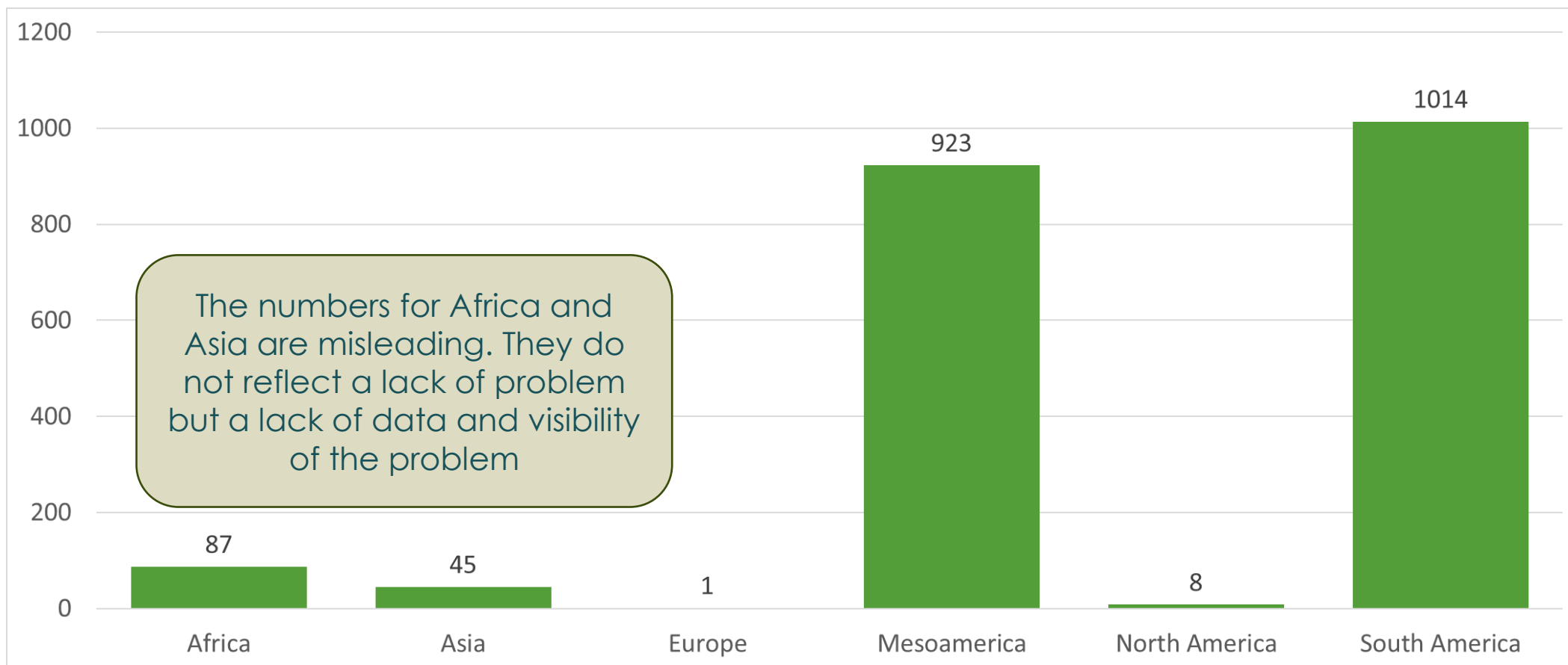
Risk Mitigation List developed with IPMPrime (OSU IPPC) and updated based on a scientific paper with risk mitigation requirements.

- May be applied **exclusively in the context of IPM**, and when the risk mitigation measures to protect people and the environment are fully implemented
- The list includes **169 active ingredients**

List of Obsolete Pesticides

- Pesticides that no longer formally registered, produced or that are widely banned, **BUT** some still accessible
- All these substances are **prohibited**
- The list has **24 active ingredients**

Exceptions granted - opportunities to intensify our work on IPM in certain regions



Exceptions granted by sector - opportunities to intensify our work on IPM in certain sectors



Examples of IPM in cocoa countries

Alternatives to neonics for mirid control in cocoa

A. Good cultural practices

Methods: removing ‘chupons’; good pruning; avoiding canopy gaps; shade management

Issues:

- Many farmers do not put a lot of efforts in
- little farm-level data on economic costs/benefits from doing these practices well
- Needs time, some skill and, good pruning tool.

Feasibility: Definitely helps keep mirid levels low but not the single ‘answer’ for many (most?) farms

Examples of IPM in cocoa countries

B. Natural Control

- Enhance the establishment of naturally occurring pest control agents (beneficial organisms):
- Beneficial insects and other organisms
- E.g. Weaver ant : *Oecophylla longinoda* (Latreille))

Methods: manipulating predatory red weaver ants

Issues:

- needs farmer training
- needs willingness + know-how to avoid ant bites
- not compatible with broad-spectrum insecticides

Feasibility: Red weaver ants are effective mirid predators. Combined with good cultural practices can deliver good control without need for insecticides



Examples of IPM in cocoa countries

C. Botanical extracts/Commercial products

Method: Botanical extracts/Commercial products based on pyrethrum flowers or crude aqueous neem extracts

Issues:

- Slightly more expensive than conventional
- Some know-how required to use effectively but good experiences from mainly organic users
- Availability in volumes needed for wide scale use?
- Option for national production

Feasibility: Can be as effective as synthetic insecticides, esp. if combined with good cultural practices



How to get more IPM implemented in cocoa production?

Research evidence & practical experience: combining good cultural management with other IPM methods can deliver good cocoa yields, sometimes with zero insecticide use.

Stakeholders' top 3 views on what's needed to move towards more IPM:

- ✓ **Change to farmer attitude**
- ✓ **More research on alternatives & speed up approvals process for safer products**
- ✓ **Change policy from reliance on pesticides to more active support for IPM**



Do you want to know more?

Our external landing page

ORGANIZATIONAL UPDATES

OUR INTEGRATED PEST MANAGEMENT & PESTICIDE APPROACH

Filed Under: [Certification](#) | Tagged: [Pesticides](#), [Regenerative agriculture](#)
Last updated September 20, 2024



Our close collaboration with CABI

- The CABI BioProtection Portal, a free tool to discover natural, registered biocontrol and biopesticides around the world: [Biocontrol and biopesticide products – BioProtection Portal](#)

Resources for producers in collaboration with CATIE



Do you want to know more?

SECTION 4.5 INTEGRATED PEST MANAGEMENT (IPM) GENERAL GUIDANCE DOCUMENT CROP SPECIFIC GUIDANCE DOCUMENTS

Version 1
Draft 1.0

Date: June 2020

**Guidance
document**

<https://www.rainforest-alliance.org/business/wp-content/uploads/2020/12/guidance-h-integrated-pest-management.pdf>

**RAINFOREST
ALLIANCE**

Integrated Pest Management and Natural Farming Solutions

[Here](#)

Increasing Agriculture's Productivity and Resilience

The Rainforest Alliance is creating a more sustainable world by using social and market forces to protect nature and improve the lives of farmers and forest communities.



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