

Product Stewardship Program

Version: 1.0

Date: 14/07/2025

1. Introduction

This Product Stewardship Program outlines the principles and actions that guide our company in the responsible development, manufacturing, distribution, and post-market management of pesticide products. The objective is to ensure the safety of human health and the environment throughout the product lifecycle, while supporting sustainable agriculture. Globachem's product stewardship program is aligned with the guidelines set by Croplife International's International Code of Conduct on Pesticide Management.

2. Product Lifecycle Stewardship

The product stewardship program lists the actions and activities Globachem performs during the complete lifecycle of its products.

A. Research and Development

Our research and development teams focus on creating more sustainable crop protection products. All our novel products are evaluated and receive a sustainability profile. This includes among others product health and safety, effects on environment and climate and biodiversity. The following actions are taken regarding product stewardship:

- Evaluate mode of action and potential for resistance management.
- Conduct preliminary toxicity and environmental impact assessments.
- Screen and select active ingredients with favourable safety profiles.
- Consider applicability in Integrated Pest Management (IPM) programs.
- Assess potential formulation technologies to optimize performance and safety.

B. Product Development

After a research project is transferred to the development phase additional stewardship measures are taken.

- Ensure active ingredients and co-formulants comply with current and future regulatory requirements.
- Further assess physical and chemical properties of formulations (e.g., stability under various environmental conditions, classification, pH).
- Avoid developing formulations requiring inaccessible or uncomfortable personal protective equipment (PPE).
- Select packaging materials that ensure safe transport of the product.
- Ensure compatibility with a wide range of application equipment.

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C. Regulatory Evaluation and Authorization

Once the product formulation is completed and the product is ready for registration. The regulatory department will undertake the following stewardship activities:

- Conduct human and environmental risk assessments.
- Conduct toxicology, ecotoxicology, and residue studies.
- Ensure compliance with Good Laboratory Practice (GLP) for all testing.
- Perform Maximum Residue Level (MRL) assessments.
- Develop and maintain Material Safety Data Sheets (MSDS) and Technical Data Sheets (TDS).
- Evaluate biodegradability and breakdown of product residues.
- Assess and minimize potential soil and water contamination risks.
- Ensure PPE recommendations and responsible use practices are correctly described on the product labels.
- Use drift-reduction strategies to minimize off-target effects.

D. Manufacturing

Once our products are registered and ready for distribution the operational departments (supply chain and quality) will ensure that our products are manufactured following the highest industry standards. In practice, the following tasks are performed:

- Ensure traceability of raw materials and finished products.
- Conduct batch testing and quality assurance prior to product release.
- Monitor for potential contaminants or impurities in products.
- Define and communicate appropriate storage and transportation conditions.

E. Responsible use

The marketing team ensures that our customers receive adequate information on responsible use of our products. This way, the end-user will be able to apply our products with the lowest risk for people and environment possible. The following stewardship actions are taken:

- All our Marketing and Salespeople have the necessary licenses to sell crop protection products additionally we conduct internal training for sales personnel on product stewardship responsibilities for our new products.
- Train distributors and partners on product stewardship, safe handling, and storage.
- Provide clear application guidelines for farmers and end-users.
- Engage with farmers, regulators, and industry partners on stewardship initiatives.
- Support the development and implementation of the easy-connect system to minimize spot contamination during filling of the spray tanks.

- Informing distributors and end-users on the application of our products using spot- or band spraying.

F. Container management

After product application our empty containers are collected by organizations supported by Globachem. We aim to have all our containers collected in the future, the HSE department is responsible for the practical implementation. The task is the following:

- Ensure containers are part of pesticide container management and disposal programs.

G. Incident Response and Post-Market Monitoring

An important part of our product stewardship program is the incident response process, if anything would go wrong during the production or use phase of our products Globachem is ready to assist in resolving the issues. As such we take the following steps:

- Implement emergency response protocols for accidents or spills.
- Maintain an active pharmacovigilance system for incident reporting.
- Conduct post-market monitoring for product efficacy and potential adverse effects.

3. Governance and reviews

This Product Stewardship Program will be reviewed annually and updated as needed to reflect evolving scientific knowledge, regulatory requirements, and company objectives.