



EXCELLENCE THROUGH  
STEWARDSHIP<sup>SM</sup>

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*Advancing Best Practices in Agricultural Biotechnology*

# Responsible Management and Use of Biotechnology-Derived Plant Products





ETS is an industry-coordinated initiative to promote global adoption of stewardship programs and quality management systems

It builds on the biotechnology industry's commitment to product stewardship and quality management.



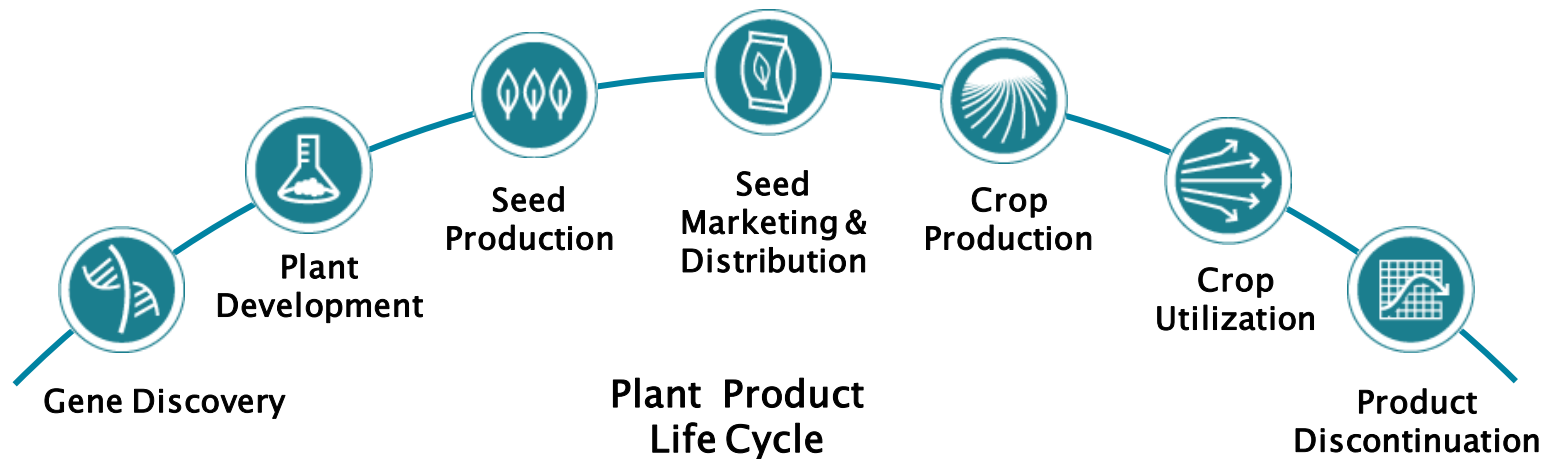
## **The ETS Mission**

To promote the responsible management of plant biotechnology primarily by developing and encouraging implementation of product stewardship practices and by educating stakeholders and the public about those practices.



# Stewardship

Responsible management of a product from its inception through to its use and ultimate discontinuation.



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## Who Is Involved?

- **Members**—Companies and institutions who are engaged in discovering, developing or commercializing biotechnology-derived plant products both in the U.S. and globally.
- **Stakeholders**—Organizations whose operations use biotechnology commodity crops, specialty crops, energy crops, perennials, ornamentals, plant-made pharmaceuticals and plant-made industrial products.



## ETS Objectives

- All members fully comply with applicable regulatory requirements.
- All members seek to achieve and maintain plant product integrity.
- All members work to prevent trade disruptions in order to facilitate the flow of goods in commerce.

Remember  
“Defensive Driving”?





## Commitment to Quality Management

- Stewardship programs and quality management practices enhance the value of the technology.
- Plant product integrity is the key objective.
- Regulators can have confidence that compliance with applicable requirements is a priority.
- Value chain has confidence of quality products.
- Minimizes the likelihood of unexpected incidents and mitigates the impact of unintended releases.



## Commitment to Responsible Practices

- Members agree to adopt and adhere to objectives, principles and management practices for responsible products.
- ETS provides resources to promote quality management practices globally.
- Members reach out to small companies and research groups to encourage the adoption of stewardship programs and quality management practices.



## Program Components

- Stewardship Objectives, Principles, and Management Practices
- Guides to Understanding and Implementing Stewardship Programs and Quality Management Systems
- Global Stewardship Audits



# Principles and Management Practices

- Ensure that stewardship programs and quality management systems designed to achieve ETS objectives are in place.
- Implement third-party audits.
- Include stewardship and quality management requirements, standards, or specifications in contracts and agreements with third parties.



## Stewardship Guides

- Designed in a “ready-to-use” format, and easily adapted to organization-specific activities & operations.
- Considers ISO and HACCP standards/practices.
- Being translated into several languages for global participation (French, Spanish, Chinese).
- Available on ETS website.



## Guides used in the ETS program

- Guide for Stewardship
- Guide for Maintaining Plant Product Integrity
- Guide for Incident Response Management
- Guide for Product Discontinuation
- Guide for Product Launch Stewardship
- BIO Containment Analysis and Critical Control Points (CACCP)
- BIO Field Trial Compliance Manual



# Guide for Maintaining Plant Product Integrity

Five modules

- Research in the Laboratory
- Research in Containment Facilities
- Confined Field Trials
- Plant and Seed Multiplication
- Commercial Plant and Seed Sales



## Member Audits

- Audits are conducted on applicable operations from discovery through to discontinuation.
- Members initially certify to ETS that stewardship programs and quality management practices are in place for applicable operations of the plant product life cycle.
- Produce a plan that identifies the audits to be conducted.
  - Third-party, independent auditor conducts audit.



## Audit Process – ETS Management

- ETS trains qualified auditors to conduct ETS audits.
- ETS provides auditors with audit materials and report forms.
- Auditors send results to ETS.



## CY2009 Activities

- Conduct expanded Auditor Training Program.
- Publish all five Guides - *English, Spanish, French, Chinese* .
- Release expanded website for global education and outreach.
- Implement an expanded the global education and outreach program with other organization partners (*Spanish, French, Chinese, Portuguese, Japanese, Korean*).
- Conduct third-party audits of member's global operations across all phases of the product life cycle.



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