



United States Department of Agriculture

Seed Health Update

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National Plant Board
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Seed Health Initiatives



Regulatory Framework for Seed Health



Tomato Seed Testing Project



Seed Risk Management Strategies

Regulatory Framework for Seed Health (ReFreSH)



Risk-, science-based systems approach for managing phytosanitary risk of international seed movements



Leverage industry best practices



Shift from consignment by consignment inspection to phytosanitary certification by accreditation of production processes

ReFreSH Documents

Concept
Paper



Accreditation
Standard



ReFreSH
Manual



ReFreSH Concept Paper

Introduction and Background

- Seed as a pathway
- The global nature of the seed trade
- Regulating seed

Designing ReFreSH

- HACCP / Critical control points

The ReFreSH Systems Approach

- Outlines relationship between CCP / Production practices / Regulatory activities

To view: https://www.betterseed.org/wp-content/uploads/ReFreSH-Concept-Paper-Draft_-2019.pdf

ReFreSH Accreditation Standard: Contents



Application and Enrollment in ReFreSH



Participating Entity Responsibilities



Authorizing NPPO Responsibilities



Non-conformance and Corrective Measures

ReFreSH Manual: Contents



ReFreSH Management and Organization



Seed Health Management Plan



Audits and System Improvements



Records and Documents

International Update: ISPM 38 Annex



- Most viable path to multilateral acceptance is through the IPPC as ISPM 38 annex
- As ReFreSH most developed, it can serve as model and NAPPO logical choice to sponsor IPPC proposal
- ISF Systems Approach Working Group developing discussion document to inform annex development

Tomato Seed Testing Initiative



Foreign rejection of tomato seed due to presence of quarantine pathogen



Established seed testing pilot in November 2018



Included additional countries in April 2019

Tomato Seed Testing Initiative: Outcomes



Approximately 50% of samples are positive for quarantine pathogen



Issue Federal Order



Tomato Seeds on Hold

Tomato Seed Testing Initiative: Next Steps



Urgent Seed Issues Team Established



Improve Testing, Mitigate Risks



Continue to Evaluate Pospiviriod Prevalence in U.S.

Seed Risk Management Strategy



Gap between Seed Testing Initiative and ReFreSH



Seed Risk Management Team Established



Suite of Options

Seed Pest Target Identification Process

Seed Risk Management Strategy

Pest Criteria:

- Stakeholder Input
- Pathway related impact
- Validated protocols
- Feasibility
- Others TBD

Prohibit (NAPPRA)
Most Restrictive

Visual Inspection
Status Quo

POE Inspection
APHIS Resource Intensive

Offshore Testing
PC with AD for Testing

NSHAPP
Voluntary Alternative to Offshore Testing

ReFreSH
Long-term Strategy



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GRAZIE ありがとう MERCI TACK

THANK YOU DIAKUIU
PALDIES

ACIU TACK DANKE DANK U WEL ДЗЯКУЮ
СПАСИБО 谢谢 OBRIGADO KIITOS
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