Status Check: RBS at Plant Inspection Stations

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Overview

History
Rollout
Reality check
Keys to success
Program consideration



Plant Inspection Station History

Prior to 2010

Country - commodity discussions



Challenges with data

Challenges with monitoring

Collaboration of 2010

- 1) Possible release program
 - Propagative Material Release Program
 - Limiting and restrictive
- 2) Begin strategy for sampling program
 - Statistically robust
 - Operationally feasible
 - Establish baseline
 - Meet the goals of the Strategic Plan

PIS Strategic Plan

Goal 1: Ensure plant inspection stations have the infrastructure and resources to clear shipments effectively in light of the increased volume and complexity of trade.

Objective 1.1: Understand the current and projected workload, the business trends, and the impact of proposed regulatory changes and other initiatives on the plant inspection station infrastructure and resources.

Objective 1.3: Establish a strategic approach for conducting plant inspection station activities and managing the workload.

Goal 4: Ensure the plant inspection stations use data resources and information for identifying and inspecting the highest-risk material and pathways.

Objective 4.1: Collaborate with appropriate groups to develop the capacity within the plant inspection station system to gather and analyze information to determine risk and set inspectional priorities.

- 4.2.5. Establish and use a standardized analytical framework for determining risk to set inspectional priorities (high risk materials and/or pathways):
 - Determine what is coming in (genus, species, and cultivar) and the pathway (how entering);
 - Determine where the material/shipment is coming from (true country of origin, transit country and place of production):

Rollout to Plant Inspection Stations

- Staggered roll out in Fiscal Year 2014
- All locations implemented by Oct. 1, 2015
- Statistic sampling throughout container
- Inspection of the samples pulled





Definitions

Inspectional unit:

"The single lowest, readily- distinguishable taxon, cultivar, or variety that is clearly defined as being from one source (from the same farm or grower) and in similar condition (e.g., air layer (AL), bare root (BR), callus cutting (CC), rooted cutting (RC), unrooted cutting (URC), etc.) on the invoice, packing list, or phytosanitary certificate."

Definitions

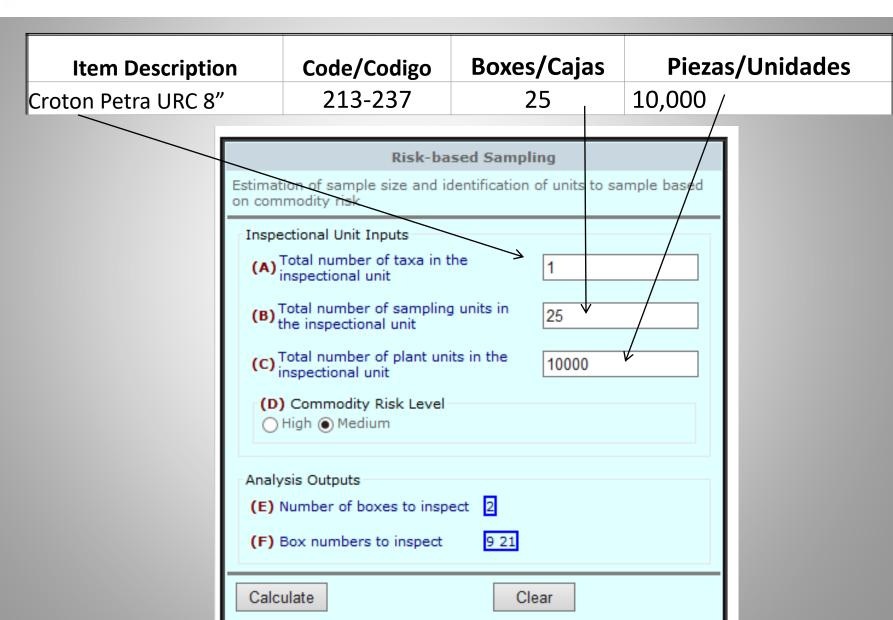
Sample Unit:

"The smallest, most convenient element of an inspectional unit available for selection during the sampling process (e.g., bag, box, bundle)."

Plant Unit:

"The smallest unit in the inspectional unit (e.g., cutting, plant, stem)."





Reality Check: RBS in the Real World

- Cargo makeup: Singling, Mingling & Commingling
- Sample unit: Distribution & Versatility
- RBS tool: The tool can be cool
- Handling hang-ups: Flexibility & Feasibility



Cargo Makeup: Singling (not commingled)

Entire shipment made of all one single taxa

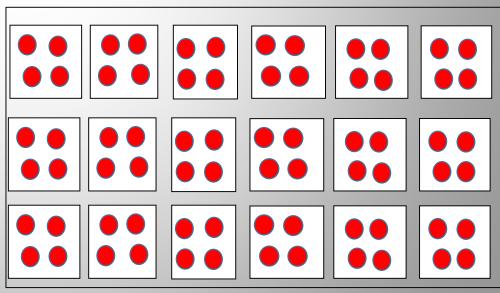




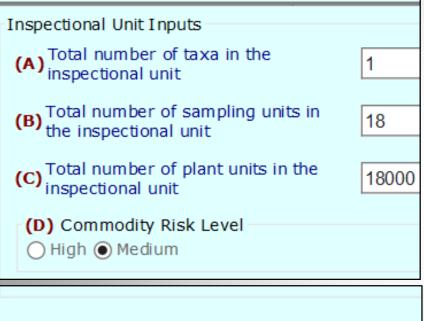


Boxes, bundles, baggies:

Straight forward sampling
based on units



Boxes: (1000 per box, 18 boxes)



Analysis Outputs

(E) Number of boxes to inspect 2

(F) Box numbers to inspect

3 12

Inspected 2000 plants Less distribution

Baggies: (200 baggies per box; 3600 total baggies w/5 plants each)

Inspectional Unit Inputs	
(A) Total number of taxa in the inspectional unit	1
(B) Total number of sampling units in the inspectional unit	3600
(C) Total number of plant units in the inspectional unit	18000
(D) Commodity Risk Level High Medium	

Analysis Outputs

(E) Number of boxes to inspect

(F) Box numbers to inspect

15

215 455 695 935 1175 1415 1655 1895 2135 2375 2615 2855 3095 3335 3575

Inspected 75 plants

Better distribution



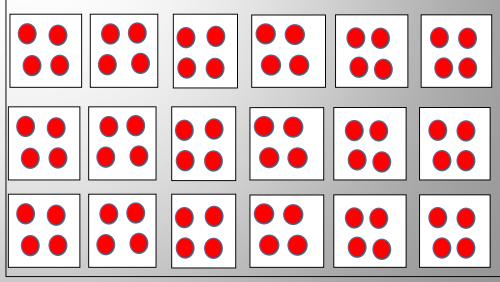
Cargo Makeup: Singling (not commingled)

Entire shipment made of all one single taxa

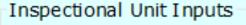


Towers: see fives, plantounits

Distribility: Feesibility



Bulk option: use plant unit as sample unit



(A) Total number of taxa in the inspectional unit

1

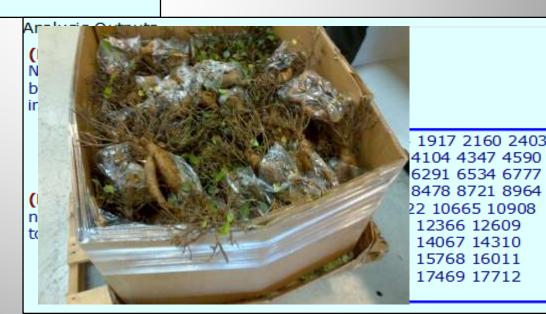
(B) Total number of sampling units in the inspectional unit

18000

(C) Total number of plant units in the inspectional unit

18000

Inspected 74 plants
Better distribution



Cargo Makeup: Mingling

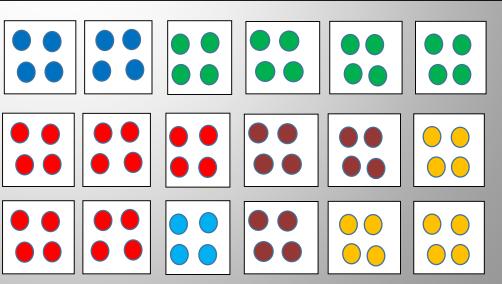
Shipment of many different taxa, all separated by inspectional unit

Run each taxa

Run as commingled

** Consider the sample unit





Mingled shipment options:

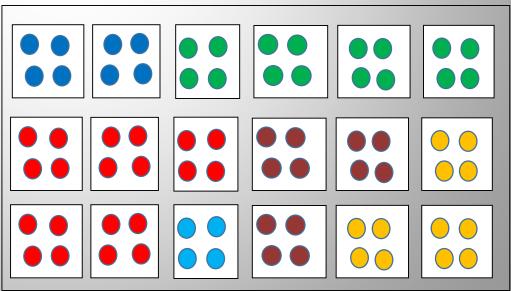
TAXA	# Boxes	# Plant Units	Tool Output per Taxa			
			By b	ОХ	By baggies	By plant unit
	2	2000	1 box		15	73
	4	4000	1 box		15	73
	5	5000	2 boxes		15	73
	1	1000	1 box		15	71
	3	3000	1 box		15	73
	3	3000	1 box		15	73
Totals:	18	18000	7 boxes (7000 plants)		90 bags (450 plants)	436 plants
Tool output if ran as whole commingled shipment				Boxes: 6 (6000 plants) Baggies: 92 (460 plants)		

Cargo Makeup: Mingling

Stopped the senion of the seni

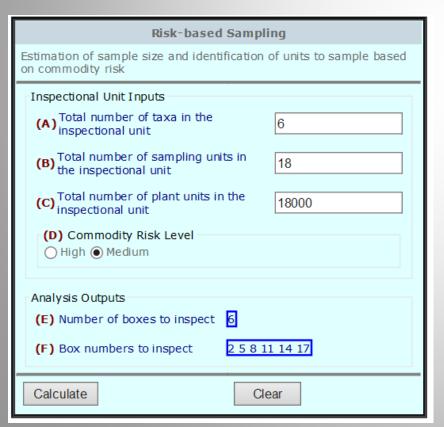
- •• RESIETE LE INGEROPAL DE LA SAME RISK LEVEL
- · Inspertion with the standar impose they have shipment



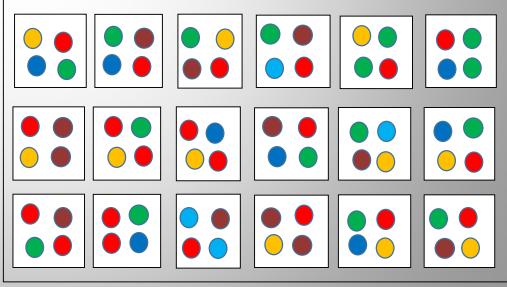


Cargo Makeup: Commingling

Shipment of many different taxa, all mixed together



** Quarantine pest may impact whole shipment





Keys to success: implementation & adjustment

Respect highly trained workforce

Dedicated to PPQ Mission PIS guiding principles

Reinforce the knowledge; acknowledge

Data reinforcement of what they kn Providing analysis information & fee

Flexibility

Provides ability for officers to handle unique cargo situations Consider they wide variety of cargo volumes and make-up

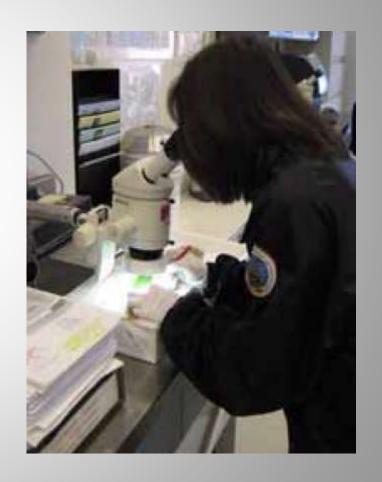
Collaboration

Working with each location to handle specific situations
Use their feedback to adjust; or provide responses on why not

Program considerations moving forward

Data make-up

- 2014 staggered implementation; limited by database
- 2015 full implementation;
 limited by database
- 2016 new database;
 staggered implementation
- 2017 new database;
 fully implemented



Program considerations moving forward

Vision

- Continue to work with analyst to review data
- Evaluate proposed adjustments for feasibility
- Engage with analysts to look at potential options
 - Country-Commodity
 - Country-Propagative Type
 - Country-Commodity-Propagative Type
- Facilitate successful rollout of changes to employees
- Strive to meet the goals of the Strategic Plan



Thank you