E-Enterprise Pesticide Label Matching Project

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Pesticide Label Matching (PLM)

- FIFRA project funded under EPA E-Enterprise
- One of several EPA program projects funded
- Focused on federal/state & tribal partnerships
- Project Leader: Alan Boutineira
- Federal & State Co-Chairs:
  - Mardi Klevs/EPA R5
  - Dave Scott/OISC
PLM Objective

• Develop a tool/app that would allow relatively instant in-field inspection compliance reviews of pesticide product labels.

• Match labels on containers in channels of distribution against labels that have been accepted by EPA/OPP/RD.

• Currently a manual review process.
Challenges Encountered During Development

• No market label database against which to do the electronic label comparisons.

• Optical Camera Recognition (OCR) technology targeted as mechanism for app challenged by:
  – Lack of label formatting consistency
  – Small print on labels
  – Multi-page label booklets
  – Varied container shapes
  – Poor color contrast on labels
Project Focus Shifted

• Electronic word-for-word comparison of market labels in the field not attainable at this point.

• Can we salvage an e-tool that will facilitate some parts of the product compliance inspection process?

• Pesticide Label Matching & Data Availability Project.
Current Status

• “Pesticide Label Matcher” in app store

• User Name...BETAUSER

• Password....Beta!2016

• Final production delays
What Can the PLM Do?

• Access federal data from OPPIN
• Search by EPA Reg. #
  – Registration status *(active, cancelled, etc.)*
  – Registered date
  – Master label history
  – Registrant
  – Toxicity signal word
  – Formulation type
  – Alternate brand names
  – Type of pesticide
  – Use sites
  – Pests
  – Ingredients
PLM Does Go Beyond OPPIN Data Access

• Can “create report” of product inspection.
• Can submit/email the report created.
• Report includes:
  – Inspector name
  – Email
  – Inspector Region
  – Federal/State inspection authority
  – Inspection date
  – Inspection location
  – Owner/operator contact information
  – Other comments
Next Step?

• Build on E-enterprise concept

• Federal / State & Tribal collaboration

• Create a national product inspection case management system?

• *Integrated Collection & Transfer of Information & Evidence Collection System*

• White paper drafted by EPA Region 5
Purpose of Management System?

• Pesticide product compliance monitoring is a national program that impacts all states & tribes.

• Unlike pesticide use compliance issues:
  – Use primacy
  – Many SLAs & tribes already have evolved case management systems for use compliance

• Improve efficiency & effectiveness of 40+ year old system of managing(?) product compliance.
Current Process & System

- Clunky paper system with paper documentation & reports
- Time consuming & inefficient manual file & label reviews
- Slow manual paper referrals to EPA
- No ability to:
  - identify which products have been inspected & by whom (states, tribes, regions)
  - analyze nationwide inspection data...Form 5700?
  - track compliance & enforcement nationally
  - effectively communicate efforts between partners
  - prioritize inspection & compliance activities
  - measure program success or target areas for improvement
Proposed Solution

• Develop a product inspection field data collection & management system.

• Design & map efficient (new?) work flows & processes.

• Consistent federal E-forms:
  – Field inspection data collection
  – For cause & not-for-cause inspection data
  – NOI, Receipt for Sample, Chain of Custody, etc.

• Allow for:
  – Targeting
  – Tracking
  – Automated reporting
  – Analysis
  – Integrate client data, inspection data, existing databases (OPPIN,SSTS)
Questions? Comments?