



# EN2015

## PESTICIDES DATA ACCESSIBILITY and LABEL MATCHING

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# ABSTRACT

Safe and legal use of pesticides is regulated through EPA accepted directions and restrictions on pesticide labels. Therefore, it is critical that pesticide labels in the marketplace match those labels accepted by EPA. The *Pesticides Data Accessibility and Label Matching Project* proposes to automate the inspection of pesticide labels in the field by creating a database and mobile application that can optically compare federal registrations and labels, thus insuring user and environmental safety. This project, in conjunction with other complimentary pesticide data automation projects already underway, will increase pesticide label compliance efficiencies and effectiveness for EPA Regions and state partners exponentially. Label matching and these complimentary efforts will be addressed during this discussion.

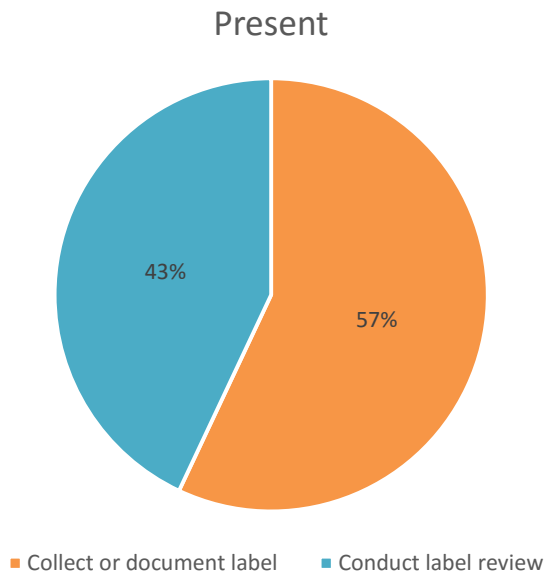


# Pesticide Label Matching Project

- The label is the law
- Approximately 12,000 label inspections annually
- Comparison is done manually
- Proposal is to develop an app that would do optical comparison of market labels with labels in an “official” database

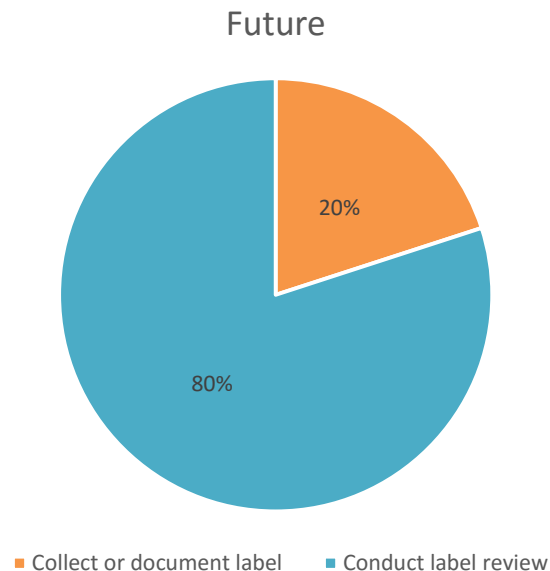
# Cost Savings

## Present



FTE Cost per Label Review: \$476

## Future



FTE Cost per Label Review: \$79

# Product Compliance Inspection Objectives

- Inspection work conducted by states & Regions
- Products federally (EPA) registered?
- Distributor products accepted by EPA?
- Alternative brand names accepted by EPA?
- Federal registration active, cancelled, or transferred?
- Label language accepted (misbranded, claims differ)?
- Products being produced in accordance with rules?
- Products state registered?

# Information for Compliance Work

- Pesticide Product Information System (PPIS)...**EPA/OPP**
- Pesticide Product Label System (PPLS)...**EPA/OPP**
- National Pesticides Information Retrieval System (NPIRS)...**Purdue Univ.**
- National Pesticides Information Center (NPIC) Product Research Online (NPRO)...**Oregon State University**
- Section Seven Tracking System (SSTS)...**EPA/OECA**
- ❖ Smart Label...**EPA/OPP**
- ❖ Label Matching...**tool for States & Regions; matched to database**

# Pesticide Product Information System (PPIS)

- Contains information about all federal (EPA) pesticide product registrations
- Provided to the public as fixed-width ASCII files...*update to XML in development*
- Access by using a variety of database and spreadsheet software
- **Compliance work challenges:**
  - not readily useable or accessible in the field as is
  - no alternative brand names for market-labeled products ( 1 product can = 100s of alt brand names)
  - no database labels



# Pesticide Product Label System (PPLS)

- Contains label images for primary pesticide products accepted for registration by EPA (**master labels**)
- Accessible to public via the web
- Includes approximately 193,000 label images
- Compliance, user interface & mobile access enhancements on the way?
- **Compliance work challenges:**
  - no readily useable alternative brand names
  - no distributor brand labels (market labels vs. master labels)
  - no alternative brand name labels (market labels vs. master labels)

# PRIMARY BRAND NAME

## Federal Data

EPA Registration Data:

777-114

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## STING

EPA REG NO: 777-114

NAME STATUS: PRIMARY NAME

PRODUCT STATUS: ACTIVE

REGISTRANT: RECKITT BENCKISER LLC.  
D/B/A RECKITT BENCKISER  
399 INTERPACE PARKWAY  
PARSIPPANY NJ 07054

FORMULATION: IMPREGNATED MATERIALS

SIGNAL WORD: CAUTION

\*\*\*\*\* END OF DATA FOR THIS PRODUCT \*\*\*\*\*

\*\*\* END OF OUTPUT \*\*\*

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# ALTERNATE BRAND NAMES

## Details for STING

EPA Registration Number: 777-114

Company Name: RECKITT BENCKISER LLC

Division Name: D/B/A RECKITT BENCKISER

Address: 399 INTERPACE PARKWAY

City, State Zip: PARSIPPANY, NJ 070540225

Current State (Date): Active - Registered (OCTOBER 15, 2009)

**Alternate Name(s):** LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\*DISINFECTING WIPES-SPRING WATERFALL SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA DISINFECTANT WIPES FOR TOUCH-UP CLEANING SPRING WATERFALL SCENT: LYSOL BRAND III KILLS 99.9% OF VIRUSES & BACTERIA DISINFECTANT WIPES COMPLETE CLEAN CRISP LINEN SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-ORANGE TANGERINE SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-ORANGE BREEZE SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-ORANGE BLOSSOM SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-ORANGE FRESH SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-ORANGE SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-LINEN FRESH SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-LAVENDER SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-LAVENDER & EUCALYPTUS SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-FRESH LINEN SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-FRESH SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES- EARLY MORNING BREEZE SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA DISINFECTING WIPES- CRISP LINEN SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA \*\* DISINFECTING WIPES-CITRUS MEADOWS SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC DISINFECTING WIPES: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC DISINFECTING WIPES - LEMON & LIME BLOSSOM SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC DISINFECTING WIPES - LAVENDER & EUCALYPTUS SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC DISINFECTING WIPES - OCEAN FRESH SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC WIPES: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC WIPES - LEMON & LIME BLOSSOM SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC WIPES - LAVENDER & EUCALYPTUS SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC MULTI PURPOSE WIPES: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC MULTI PURPOSE WIPES - LEMON & LIME BLOSSOM SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC MULTI PURPOSE WIPES - LAVENDER & EUCALYPTUS SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC MULTI PURPOSE WIPES - OCEAN FRESH SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA BASIC MULTI PURPOSE WIPES - OCEAN FRESH SCENT: LYSOL BRAND III KILLS 99.99% OF VIRUSES & BACTERIA\*\*POWER BATHROOM WIPES: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\*DISINFECTING WIPES LAVENDER & EUCALYPTUS SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\*DISINFECTING WIPES LEMON & LIME SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\*DISINFECTING WIPES OCEAN FRESH SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\*DISINFECTING WIPES THICK WIPE FOR TOUCH-UP CLEANING: LYSOL BRAND III, KILLS 99.9% OF VIRUSES & BACTERIA\*\*, POWER SCRUBBING WIPES, CITRUS SCENT: LYSOL BRAND III, KILLS 99.9% OF VIRUSES & BACTERIA\*\*, POWER SCRUBBING DISINFECTING WIPES CITRUS SCENT: LYSOL BRAND III KILLS 99.9% OF VIRUSES & BACTERIA\*\*DISINFECTING WIPES COMPLETE CLEAN FRESH SCENT: LYSOL BRAND III KILLS 99.9% OF VIRUSES & BACTERIA\*\*DISINFECTING WIPES FRESH SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\*DISINFECTING THICK WIPES FOR TOUCH-UP CLEANING SF LYSOL BRAND III KILLS 99.9% OF VIRUSES & BACTERIA DISINFECTING THICK WIPES COMPLETE CLEAN CRISP LINE: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA DISINFECTING WIPES THICK WIPE FOR TOUCH-UP CLEANING: LYSOL BRAND III KILLS 99.9% OF VIRUSES & BACTERIA\*\* DUAL ACTION WIPE LYSOL BRAND III KILLS 99.9% OF VIRUSES & BACTERIA\*\* DUAL ACTION WIPES CITRUS SCENT: LYSOL BRAND III KILLS 99.9% OF VIRUSES & BACTERIA\*\* DUAL ACTION WIPES CRISP LINEN SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\* EVERYDAY DISINFECTING WIPES LEMON & LIME BLOSSOM: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\* EVERYDAY DISINFECTING WIPES LAVENDER & EUCALYPTUS : LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA\*\* EVERYDAY DISINFECTING WIPES OCEAN WIND SCENT: LYSOL BRAND II KILLS 99.9% OF VIRUSES & BACTERIA DISINFECTING WIPES THICK WIPE FOR TOUCH-UP CLEANING:

# NPIRS/NSPIRS/ALSTAR

- **NPIRS**
  - web accessible pesticide product databases available by subscription
  - federal (EPA) product registration data...via PPIS data dump
  - state product registration data...via voluntary state data dump(s)
- **NSPIRS...NPIRS State Pesticide Information Retrieval System**
  - subset of NPIRS; state registration data
  - \* new field inspection compliance tool part of state subscription?... federal & state data but no labels
- **ALSTAR**
  - allows exchange & storage of registration data & market labels between state regulators & pesticide registrant companies
  - approximately one third of 15,000 Indiana registered market labels in ALSTAR
- **Compliance work challenges:**
  - **subscription for state, Region & product registrants to access data & file market labels in ALSTAR**
  - **ALSTAR is an incomplete market label file (voluntary)**
  - **EPA does not review /accept market labels filed in ALSTAR**

# NPIC Product Research Online (NPRO)

- Web accessible public database developed through a cooperative agreement between EPA and Oregon State University
- Federal product data from PPIS and PPLS, updated weekly
- Valuable for risk assessment & product selection
- **Compliance work challenges:**
  - no readily useable alternative brand names
  - no distributor brand labels (market labels vs. master labels)
  - no alternative brand name labels (market labels vs. master labels)

# Section Seven Tracking System (SSTS)

- OECA & Region owned, operated & accessible
- Compliance monitoring database
- Contains pesticide producing establishment information
- **Compliance work challenges:**
  - no labels
  - no access by states (how much=CBI)
  - PPIS & SSTS do not interface
    - instances of production but no federal registration  
hard to detect in field in a timely manner

# SmartLabel

- Master labels in a structured format
- Index of label use patterns using defined vocabularies
- OPP vision: instant access to quality information
- Address label pain points
- Inclusive of all EPA-registered products

# Label Matching

- Not clear if optical comparison on mobile devices is technically feasible
- All market labels would have to be submitted & maintained in a new database
- Competing needs for funding
- Different levels of comfort with IT within workforce
- Feasibility study has been commissioned to examine:
  - Coordination and integration of existing databases
  - Technical feasibility of optical comparison of labels
  - Costs



# Summary

- Moving into the electronic age is difficult!
- Strategic planning is needed
- Incremental change is the best way to achieve goals
- Label matching project stimulated discussion on need to integrate all label databases
- Contract is in place to develop feasible approach