



Pesticide Residue Reports in the USA and EU

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4 June 2015

Classification: PUBLIC

Outline

- I. Reports
- II. Results
- III. Impact



EU Pesticide Report

- Purpose:
Determine MRL compliance of food available in the EU and the exposure to the European consumer to pesticide residues

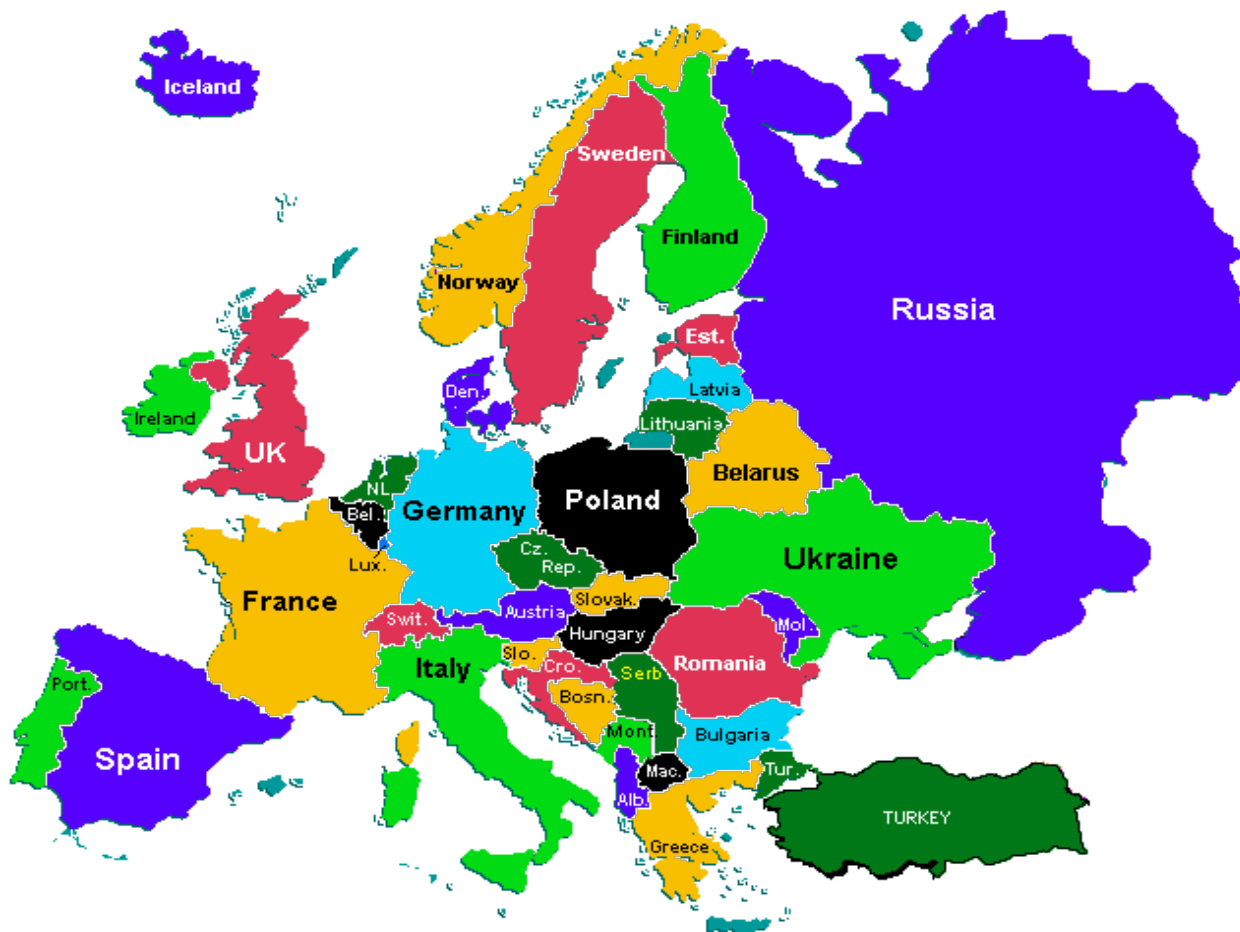
Program Specifications

- 12 crops (apples, head cabbage, leek, lettuce, peaches (including nectarines), rye or oats, strawberries, tomatoes, cow's milk and swine meat)
- 209 pesticides



EU Pesticide Report

- EU-coordinated program
- National Control Program
- Dietary Exposure and Dietary Risk Assessment



EU Pesticide Report

- 11,582 samples analyzed
- Of the 209 pesticides in the EUCP, 30 were not detected in any samples

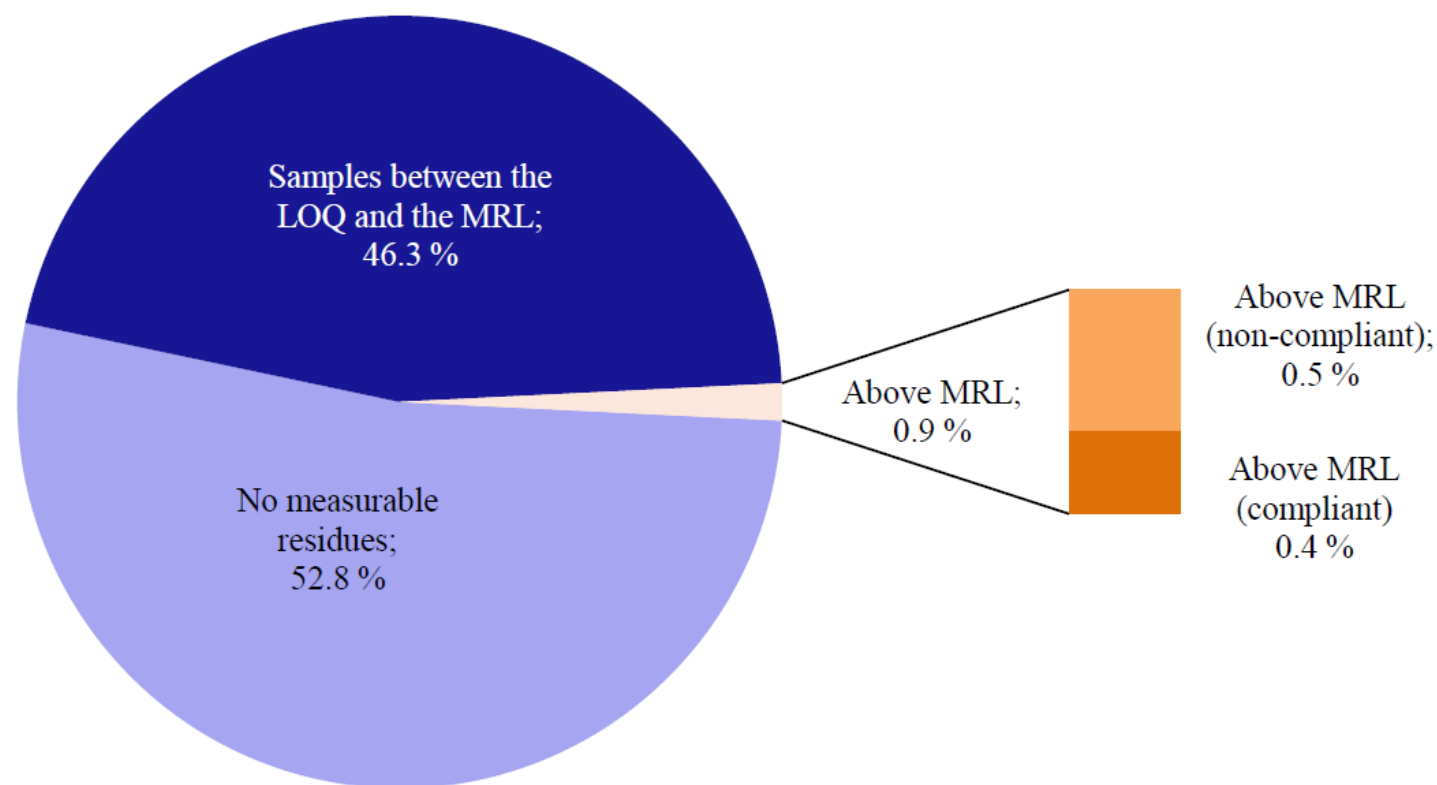


Figure 2-39: Overall proportion of EUCP samples with and without measurable residues, residues exceeding the MRL and non-compliant

US Pesticide Report

- Purpose:

Provide lowest possible pesticide residue level for foods for use in assessing dietary exposure

Program Specifications

- Apple juice, baby food applesauce, baby food peas, bananas, broccoli, carrots, cauliflower, celery, grape juice, green beans, mushrooms, nectarines, peaches, plums, raspberries (fresh and frozen), summer squash, and winter squash
- Infant formula (dairy & soy)
- Butter
- Drinking water
- Salmon



US Pesticide Report

- Sampling
- Laboratory
- Database Management

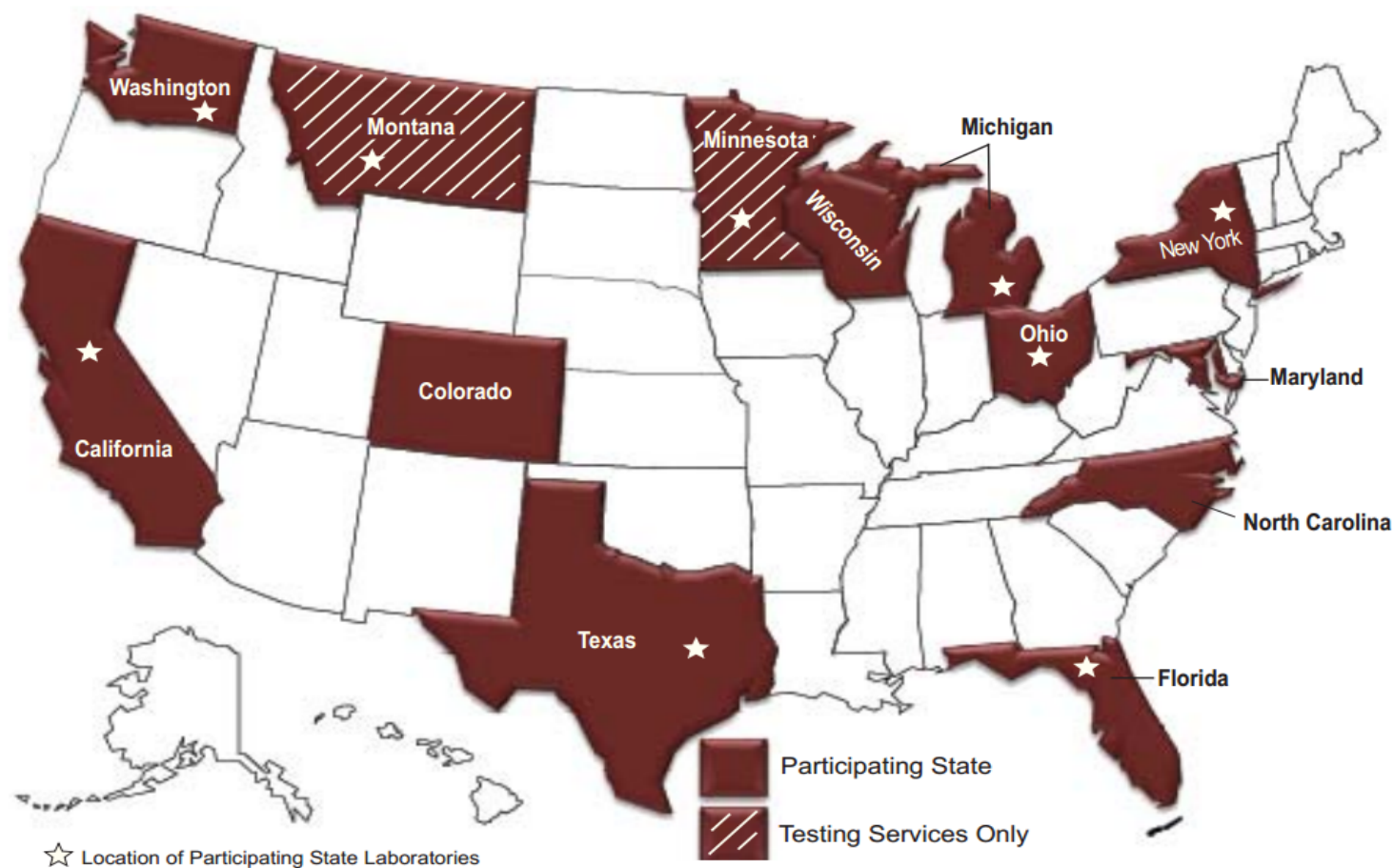
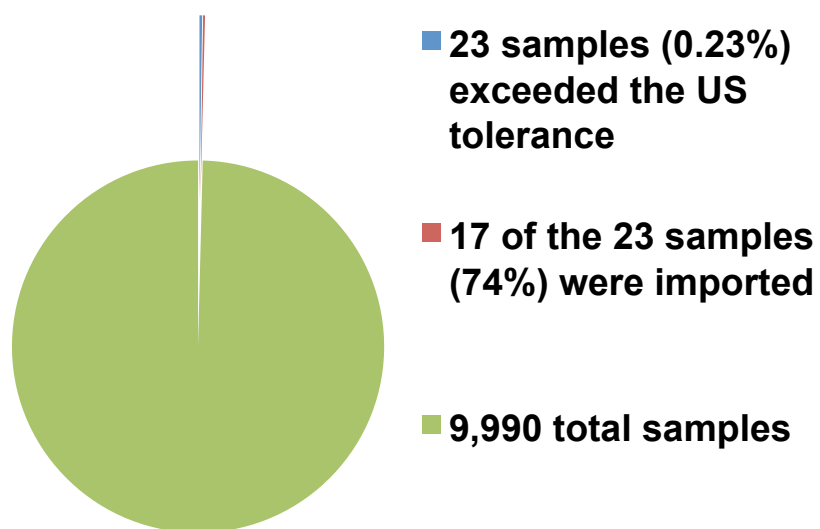


Figure 2. Program Participants. During 2013, AMS established cooperative agreements with 13 States to sample and/or test PDP commodities. Together, these States represent about 50 percent of the Nation's population and all 4 census regions of the U.S. They also represent major U.S. producers of fruit and vegetables. State laboratories are responsible for analyzing fresh and processed fruit and vegetable, infant formula, butter, salmon, groundwater, and drinking water samples.

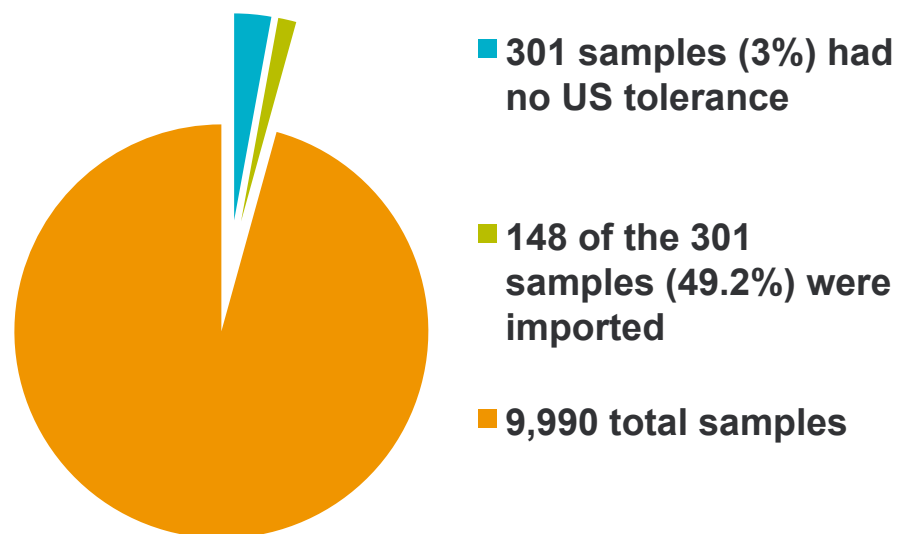
US Pesticide Report

- 10,104 samples analyzed; 9,990 samples excluding water

Residues Exceeding US Tolerance



Residues Without US Tolerances

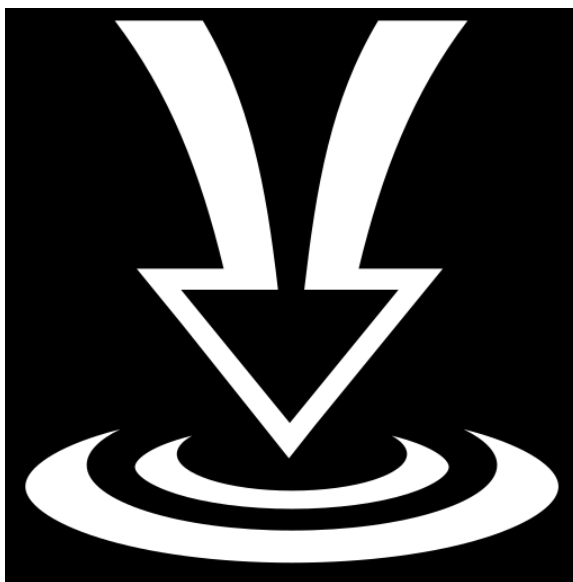


Comparison of Pesticide Reports

Topic	PDP Report	EU Report
Details/defines Consumer Food Supply	yes	yes
Analytical Methodology	Multiresidue, QuEChERS (below LOQ)	Multiresidue, QuEChERS (at LOQ)
Sample preparation	Mimic consumer; wash, peel, cook edible portion	No entire crop
Residue Data	Results provided in the report and maintained in database for multiple users (government, industry, food groups, academics, etc.)	Results are used to conduct dietary risk assessments and presented in the report
Enforce MRLs/Tolerances	no	Yes for NP only
Reports residues for imported food	yes	yes
Multiple residues detected in a commodity	Ye	Yes

Impact

- The EU Report on Pesticides ensure consumers the food they eat will have no long-term or short-term dietary risk
- The PDP data provide EPA with data to assess dietary exposure during the review of the safety of existing pesticide tolerances



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Consumer Reports Guides Shoppers Through Produce Pesticide Residues

BY LYDIA ZURAW | MARCH 19, 2015

Each year, the Environmental Working Group releases guides to help shoppers pick fruits and vegetables with the fewest pesticide residues. Consumer Reports' Food Safety and Sustainability Center has now released similar guidelines.

According to the organization's survey conducted in November 2014, pesticide exposure in food is a concern for 85 percent of Americans.

For its report released Thursday, Consumer Reports analyzed 12 years of data from the U.S. Department of Agriculture's Pesticide Data Program. The frequency with which they were placed each of the 48 foods into one of five risk categories was a 3-year-old.



DON'T WORRY: USDA SAYS PESTICIDE-LADEN FOOD IS SAFE TO EAT

EPA has determined the extremely low levels of those residues are not a food safety risk...



Health | Thu Mar 12, 2015 2:32pm EDT

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EXECUTIVE SUMMARY

EWG's 2015 Shopper's Guide to Pesticides in Produce™

Nearly two-thirds of the 3,015 produce samples tested by the U.S. Department of Agriculture in 2013 contained pesticide residues - a surprising finding in the face of soaring consumer demand for food without agricultural chemical residues.

EWG's Shopper's Guide to Pesticides in Produce calculates that U.S.



