

The Food Quality Protection Act of 1996 Progress Update

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Important Websites

- www.epa.gov/pesticides (with links to TRAC, FQPA, and OPs)
- www.epa.gov/REDS
- www.ars.usda.gov/opmp
- www.cook.rutgers.edu/~ir4

FQPA Review

When setting pesticide tolerances under FQPA, the EPA now considers:

- The new safety standard - 'reasonable certainty of no harm'
- Exposure from all routes - oral, dermal and inhalation
- Cumulative effects of exposure to pesticides with a common mechanism of toxicity
- Potential increased sensitivity of children to pesticides

FQPA Review

The EPA must reassess all tolerances established before 8/3/96 within 10 years (33% to be completed by 8/99).

The EPA must develop a screening program for potential 'endocrine disruptors'.

The Nine Science Policies of TRAC

The Tolerance Reassessment Advisory Committee (TRAC) helped the EPA identify 9 science policy issues that are key to the implementation of the FQPA and tolerance reassessment:

- 1) Applying the FQPA 10-Fold safety factor
- 2) Dietary Exposure Assessment – Whether or how to use the “Monte Carlo” analyses
- 3) Exposure Assessment – Interpreting “No Residues Detected.”
- 4) Dietary (Food) exposure estimates
- 5) Dietary (Drinking Water) exposure estimates
- 6) Assessing residential exposure
- 7) Aggregating exposure from all non-occupational sources
- 8) How to conduct a cumulative risk assessment of organophosphate and other Pesticides
- 9) Selection of appropriate toxicity endpoints for risk assessment of organophosphates

Status of Science Policy Papers

- EPA has issued 14 of 19 science policy papers addressing 8 of the 9 policy issues.
- An additional 7 papers on related topics have been issued (for a complete listing of documents, go to [/pesticides/trac/science](http://pesticides/trac/science)).
- The comment period for “Guidance for Performing Aggregate Exposure and Risk Assessment” has been extended to Feb '00 (use the link to FQPA).

FQPA Directives

Reducing risk from pesticides under FQPA

- Aggressive reregistration and tolerance reassessment schedule
- Expedite reviews of new, safer ‘reduced risk’ chemistries

Prioritization of Tolerance Reassessment

- Group 1 (228 pesticides/5546 tolerances) includes OPs, carbamates and B₂ carcinogens
- Group 2 (93 pesticides/1928 tolerances) include registrations prior to 1984
- Group 3 (148 pesticides/2247 tolerances) includes post-1984 pesticides

Tolerance Reassessment Status

3290 tolerances were reassessed by 30 July 1999 -
this achievement surpassed the goal of 33% within 3 years
(for a complete listing, go to /oppfead1/fqpa/toleran.htm)

Herbicide Reregistration Eligibility Decisions (REDs)

- Public comment for Alachlor, Dichlobenil, Propachlor, Triclopyr and DCPA REDs closed in ‘99
- Pebulate and EPTC REDs have been issued - open to public comment (www.epa.gov/reds)
- 60-day public participation period on Bensulide risk management was completed (8/99)
- Vernolate was voluntarily canceled
- Atrazine is on deck for 2000 (manufacturing of Cyanazine was phased out 12/31/99).

Risk Mitigation in Reregistration Eligibility Decisions (REDs)

Mitigation	#REDs
Canceled, deleted or declared not eligible	21
Restricted to use only by certifies applicator	14
Limited the amount, frequency or timing	32
Greater PPE or REI restrictions	13
Ground or surface water safeguards	19
Spray drift labeling	17

Risk Mitigation in EPTC (Eptam) RED

- Requires additional PPE (i.e., double layering or clothing and respirator) and engineering controls (i.e., enclosed cab).
- Prohibits certain application for homeowner use and reduced maximum rate from 15 to 5 lbs product per acre (due to its residential use, the 10X safety factor will be retained for all risk assessments).
- Requires registrant to identify threatened or endangered species adjacent to treated areas.

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New Active Ingredients Registered Under FQPA

- 48 new reduced-risk conventional pesticides and biopesticides (62%)

New Uses Registered Under FQPA

- 774 new uses for reduced-risk conventional pesticides and biopesticides (78%)

What can you do?

- Be informed - visit the EPA and USDA websites
- Get involved - contact the EPA Chemical Review Manager (CRM) for your pesticide
- If you do not know the CRM for your pesticide, contact Pat Cimino at cimino.pat@epa.gov for assistance
- Provide real-world use patterns (e.g., rate, PHI, number of applications) to the CRM
- If you work with an at-risk pesticide on a minor crop, contact the IR-4 Project (732-932-9575 or 530-752-7633):
 - to conduct risk mitigation studies to modify the current use pattern and reduce exposure
 - or,
 - to request residue trials for safer, alternative pesticides