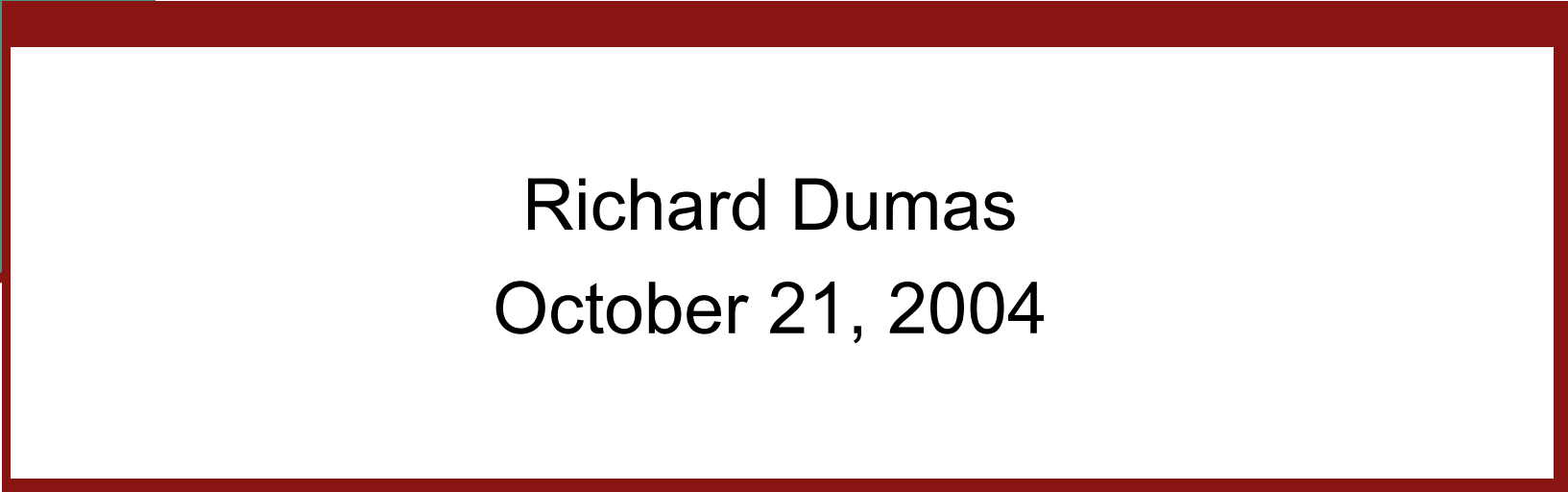


US EPA ARCHIVE DOCUMENT



Update on: Anticipated Residue



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General Requirement

- FQPA requires that EPA acquires anticipated residue data for tolerance decisions that were based on the use of Anticipated Residue (AR) data five years after the decision was made.
- FQPA distinguishes between the use of AR and Percent Crop Treated (PCT) Data

What Are Anticipated Residue Data?

- Under FQPA, anticipated residues refer to the level of a pesticide in food.
- OPP uses both the level of anticipated residue and the frequency of use in estimating exposure in food.

Field Trial Data

- Studies designed for maximum residue levels from labeled use
 - Maximum application rate
 - Minimum interval between applications
 - Maximum number of applications
 - Harvest at PHI
- Changes in use practices cannot change residue levels, only the frequency can change.

Monitoring Data

- Provides more accurately the residue levels at present.
 - Actual application rate
 - Actual application intervals
 - Actual number of applications
 - Actual number of days between application and harvest
- Changes in use practices can affect residue levels

Anticipated Residue Data

- 408(2)(E)(ii) instructs EPA to
“...require that data be provided five years after the date on which the, and the tolerance is established, modified, left in effect, and thereafter as the Administrator deems appropriate...”

Percent Crop Treated Data

- 408(2)(F)(iv) instructs EPA to perform “...periodic reevaluation of the estimate of anticipated exposure”

EPA Interpretation

- Review AR-based tolerance decisions to determine whether or not ARs may have increased.
- Acquire data necessary to make the determination if AR has increased.

Anticipated Residue

- Today's Discussion is regarding Anticipated Residue portion of FQPA that has the five year clock.
- Percent Crop Treated affects the frequency of residues in food and we intend to address the periodic review requirement.

Review Process

- Seeking efficient way to determine which ARs may increase with updated data.
- Developed tiered approach

Tiered Review Approach

- Determine which tolerance decisions were actually based AR data
- Determine which ones with AR data would change with new data.
- Perform in depth review of tolerance decision that could change with new data.
- Acquire necessary data

Reviews to Date

- Reviewed 99 decisions from August 1996 to the end of 2000 (calendar)
- 41 involved use of Anticipated Residue Data
 - 34 field trial
 - 7 used monitoring data
 - 3 have recent assessment with updated data
 - 4 remaining for further analysis

Next Steps

- Acquire data for four remaining chemicals
- Complete process for the constant review of tolerance decisions well in advance of the five year mark.
- Develop and Implement a Percent Crop Treated Review Process
- Formal Roll-out

Handouts

- AR and PCT language from FQPA
- Summary table