

Safe pesticide use is your business!

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Personal Chemical Exposure Program

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Discovery to you!

- Natural and synthetic chemicals
- Harm pests (about 1000 AIs in CA)
- EPA Label/CA use

- Safe when used as LABELED means no harm to environment or humans
 - Not too persistent
 - Not harmful to user

Dose determines a poison

and

There is a safe level of everything!

- LD50 (mg/kg)
- Threshold (mg/kg)
- Lowest Observed Adverse Effect Level (mg/kg)
- No Observed Adverse Effect Level (mg/kg)

- How do we show NO EFFECT?

Since it's about DOSE...

- Exposure assessment
 - Air
 - Water
 - Food
 - Surface contact
 - Residential
 - Occupational

Add 'em up!

“What goes up  *in*...
does come down  *out!*”

Urine biomonitoring

- Let your body do the arithmetic!
- All sources of exposure: biomarker!
- Biomarker/kg_{bw}-day

Worker Wellness!

1. Your work task(s).
2. Get an annual physical exam.
3. Establish normal levels of exposure!

I *may* want to participate in an exposure study....

- Name
- Contact information
- *What do you do?*
 - General _____
 - Contact activities 1. _____
2. _____

Check it out!

Your personal exposure assessment...

Chemicals used

- _____
- _____

Your exposure level _____ ug biomarker/kg-d

Low to high for same work task _____ to _____ ug/kg

EPA safe exposure estimate _____ ug/kg

Confidential—your results are yours! PCEP
scientific reports are always NO NAME, too.

We will....

keep a record of your interest for 3 years,

inform you of opportunities to participate,

and give a complete description of any future study for which you *may* want to volunteer.

Whether or not you join a study would be your later decision; for now, we just need to know of your interest!

Check it out!