

# Bystander Pesticide Exposure

Chlorpyrifos Work Group

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# Bystanders

- ▶ People who are not involved in the pesticide application but who live, work, or are located nearby the site of application.
- ▶ Ag workers in nearby fields
- ▶ Adults/children/infants in residential homes, including pregnant women
- ▶ Adults/children in schools/daycare
- ▶ Other non-ag workers

# Existing Protections

- ▶ Pesticide handlers (mixers/loaders, applicators)
- ▶ Agricultural workers (nursery stock, repotting, production of agricultural plants)
- ▶ Agricultural Use Requirements box
- ▶ Worker Protection Standard
- ▶ Restricted entry intervals (REIs)
- ▶ Personal Protective Equipment (PPE)

# How bystander exposure may occur

- ▶ Spray drift at time of application
- ▶ Volatilization after application
- ▶ Surface deposits
- ▶ Entry into treated areas



# Chlorpyrifos Application Methods

- ▶ Aerial
- ▶ Air blast Sprayer
- ▶ Backpack or Handheld Sprayer
- ▶ Baiting
- ▶ Boom Sprayer
- ▶ Broadcast
- ▶ Chemigation
- ▶ Dipping
- ▶ Fogger
- ▶ Granular Spreader
- ▶ Ground
- ▶ Boomless nozzle sprayer
- ▶ Power sprayer
- ▶ Hose sprayer
- ▶ Soil drench
- ▶ ULV

# Chlorpyrifos Pesticide Formulations

- ▶ Aerosol (Ultra-low-volume 1)\*
- ▶ Bait (2)\*
- ▶ Cattle ear tag (1)\*
- ▶ Granular (6)\*
- ▶ Liquid (30/31)\*\*
- ▶ TRF (1)\*\*
- ▶ Water Dispersible Granule (2)\*
- ▶ Water Soluble Packet (1)\*, \*\*

\* = General use

\*\* = RUPs

Questions?

