

AERIAL SPRAYING OF PESTICIDES IN BANANA PLANTATIONS IN ECUADOR: HEALTH EFFECTS AMONG WORKERS AND SURROUNDING POPULATION

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WHAT IS OUR INITIAL PROPOSAL?

- 1) Stop aerial spraying with dangerous pesticides
- 2) Stop aerial spraying in living areas
- 3) Stop aerial spraying when workers are in the field - improve work organization and planning for spraying
- 4) Alert people with enough time before spraying pesticides
- 5) To establish a buffer area of 300 meters from the plantation to living areas to avoid people at home or children at school to be exposed to pesticides
- 6) Protect workers in the workplaces
- 7) Do not use dangerous or banned pesticides
- 8) Enforcement to companies to comply with rules and the best practices.
- 9) Availability of occupational and environmental health services to prevent and to assist workers and population in the banana production areas.
- 10) Strict respect to the reentry times after pesticides application according with technical recommendations for each pesticide.

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Banana plantations in Ecuador conduct aerial spraying of pesticides around 26 weeks during the year. Among the pesticides used during the spraying are Tilt, Calixin, some organophosphates and others. Aerial spraying normally occurs without previous notice to the workers and surrounding communities. In the Ecuadorian coast, where mostly bananas are grown, people live in a tropical climate with high temperatures and humidity. This makes that houses are always open to favor ventilation. If houses are closed, windows and doors are covered only with some fabric. In schools, classrooms are open as well. During or after the spraying, it is common to see children playing at the playing fields. For people in the community that live in the banana areas, the options for water supply are limited. People sometimes get water in tanks close to their houses. Another option is to use the water that flows at the edge of the banana plantations to do laundry, take showers and even to cook. Pictures I, 2, 3, 4 and 5.

CONCLUSION

This study showed how the drift of the airplanes reach houses, people and also the workers at their workplaces out of the banana plantations. Banana workers that are doing their job or taking a break are exposed to the aerial fumigation, not only the manual fumigation. If they remain on the sites and continue to work, they are not aware nor don't they have sufficient or any personal protection.

This qualitative study is useful to confirm the exposure of the workers and population to aerial spraying. Pesticide exposure was also found when workers were studied during manual pesticides application.

CLAIM FOR DAMAGES

300 workers of aerial fumigation, 12 persons whose child seems to be affected and the Municipality of Pueblo Viejo, from Ecuador began a legal demand against CROPLIFE, Dow Chemical, Dupont, Dole, Noboa (Bonita Banana) and Wong (Favorita Fruit). They claim for health damages and, in particular they accuse them for the use of Mancozeb, considered carcinogenic by Proposition 65 of California. They also mention that EPA recommendations for the use of Mancozeb were not included in the labels and they were lying about the reentry time in the plantations treated with Mancozeb. The process is starting and the people is very interested in its development in Ecuador and Philippines where they have similar problems.

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