

ERGONOMIC APPROACH TO THE PREVENTION OF PESTICIDE EXPOSURES IN FRENCH VINYARD

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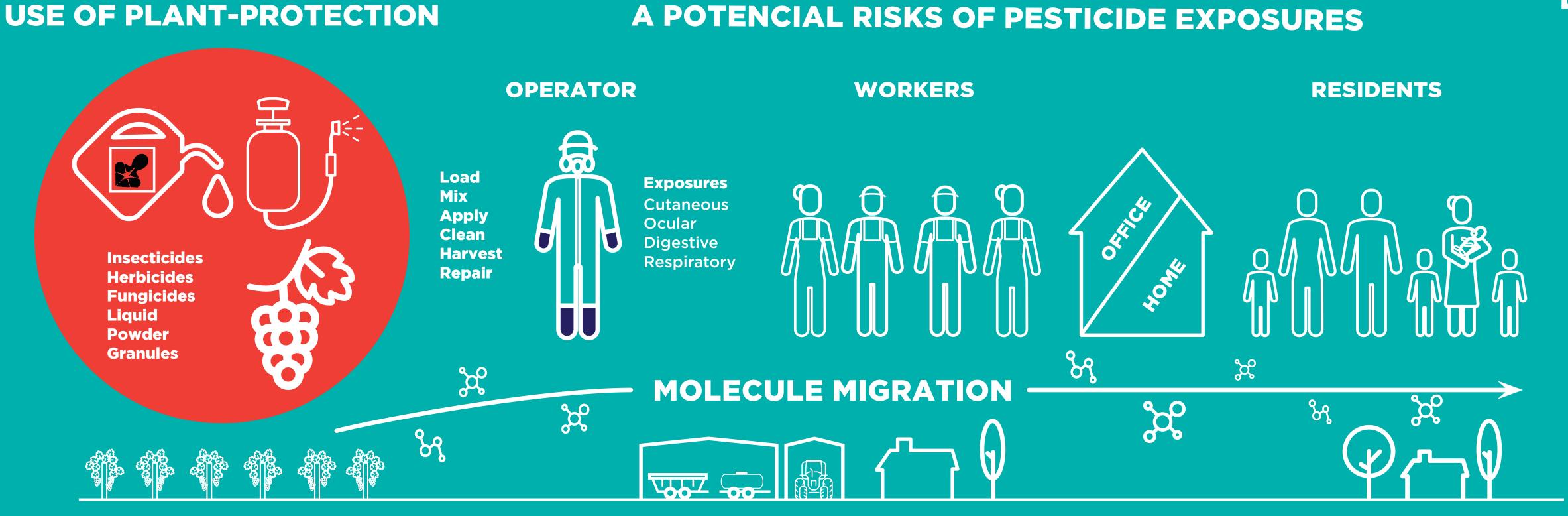
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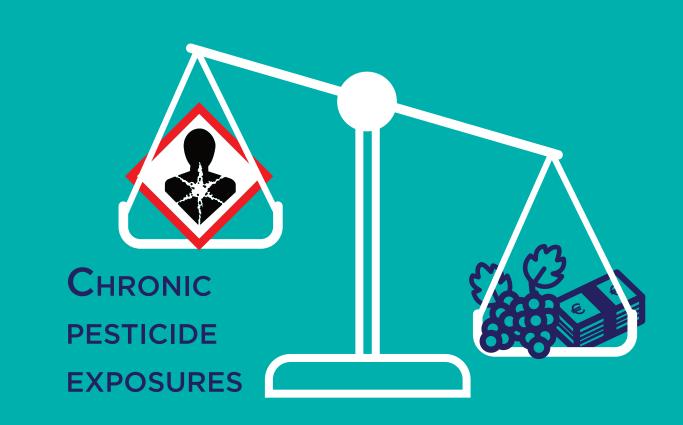
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Context



INSIDE WORK SITUATIONS

DIRECTS RISKS HIDE INDIRECTS AND LESS PERCEPTIBLE RISKS



Objective

WINE FARM

TO DOCUMENT AND HIGHLIGHT INDIRECT EXPOSURE SITUATIONS With/for operators workers and residents





Results



Is needed to Optimize plant-treatment mixtures with OPERATORS to reduce occupational and domestic exposures

OUTSIDE WORK SITUATIONS

Cross-learning have highlighted exposure situations relating to the real work and life situations of winegrowers:

- during the preparation of porridge (especially during the 2nd)
- depending on the equipment used, its design (its form, its technicality) and its maintenance (seperaite or towed tank)
- depending on the products chosen, their shape and composition
- according to the spatial organization or the exploitation and the proximity between places of lie ans places of preparation (lunch break, drink washing body following hazards, etc.)
- according to the organization of the work (membership of a cella, forecasting of group purchases, distribution of tasks.

Reducing the execution time is reducing the exposure time!:

Involve winegrowers in research-action dynamic through the collective construction of measures (measurement of pesticide exposuresforts of the operator in the accomplishment of the various tasks, in various situations) has made it possible to reduce the situation exposure workspaces and operating modes:

- to transform exposure situations, it's a question of supporting operators in the construction of safety situations (rather than in the capitalization of exposures situators asked that the preparation of slurry be quatified (duration, cost frequency) and qualified (gestures, postures, materials, choice, tensions, chemical, exposures, etc.)
- Developping practical knowledges enhance the transformation of exposures situations

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