

# Health impairment through carbofuran in red chili unlikely

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Carbofuran is a plant protection product which can be used against certain insects, mites, ticks and nematodes. On the basis of the amount of the carbofuran residues and estimated dietary intake of red chilies,

exceeding the acute reference dose (ARfD) is not to be expected for children or adults. The ARfD describes the quantity of a substance per kilogram of body weight that consumers can ingest with their food in one meal or in several meals spread over one day without any recognisable effect on health. The ARfD is therefore a limit value for risk assessment in relation to short-term intake.

Other plant protection products were also detected in the 10 samples from the manufacturer (2308 grams in total), but their contribution is negligible in relation to carbofuran so that no health risk is to be expected from them either. As the number of samples is small, the results cannot be generalised for red chili.

Provided by BfR Federal Institute for Risk Assessment

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