



PARKINSON'S DISEASE NEWS

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OCCUPATIONAL PESTICIDE USE IN PARKINSON'S DISEASE

Researchers assessed the influence of occupational pesticide use on the prevalence of Parkinson's Disease in people with information available concerning occupational, residential, and household sources of pesticide exposure.



Ever having used carbamate pesticides increased the risk of Parkinson's Disease by 455%, while the use of organophosphorus pesticides (OP) and organochlorine pesticides (OC) doubled the risk of Parkinson's Disease. The risk of developing Parkinson's Disease increased by 110% to 211% if somebody had ever had occupational use of fungicides, herbicides, and insecticides. Using any pesticide occupationally for more than 10 years doubled the risk of Parkinson's Disease compared with those people that had no occupational pesticide use.

Most surprisingly, the researchers estimated higher risks of Parkinson's Disease among those people reporting use of personal protective equipment (PPE). This suggests that personal protective equipment is insufficient for protection against pesticides.

Reference : Environment International [2017] Aug 2 [Epub ahead of print] (S.Narayan, Z.Liew, J.M.Bronstein, B.Ritz)

Complete abstract : <http://www.ncbi.nlm.nih.gov/pubmed/28779877>

<http://www.viartis.net/parkinsons.disease/news/170813.pdf>

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