



PARKINSON'S DISEASE NEWS

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29th September 2013 - New research

HOUSEHOLD PESTICIDES INCREASE THE RISK OF PARKINSON'S DISEASE

International Journal of Epidemiology [2013] Sep 20 [Epub ahead of print] (S.Narayan, Z.Liew, K.Paul, P.C.Lee, J.S.Sinsheimer, J.M.Bronstein, B.Ritz)

Household pesticide use is widespread, and for over 40 years organophosphorus chemicals have been common active ingredients in these products. Parkinson's Disease has been linked to pesticide exposures but little is known about the contributions of chronic exposures to household pesticides.

Consequently, researchers investigated whether long term use of household pesticides, especially those containing organophosphorus chemicals, increases the risk of developing or worsening Parkinson's Disease. Frequent use of any household pesticide increased the risk of developing Parkinson's Disease by 47%. Frequent use of products containing organophosphorus chemicals increased the risk of Parkinson's Disease by 71%. Frequent organothiophosphate use almost doubled the risk of Parkinson's Disease. The evidence shows that household use of organophosphorus pesticides is clearly associated with an increased risk of Parkinson's Disease.

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