

Kaneene, et al., Re-Analysis of 2,4_D Use and the Occurrence of Canine Malignant Lymphoma, Journal of Veterinary and Human Toxicology, 41, No. 2: 164-170. June, 1999.

ABSTRACT:

An independent scientific review panel had concerns involving study design, analysis and interpretation of results in a case-control study investigating the relationship between canine malignant lymphoma (CML) and the use of 2,4-D herbicide. To address these concerns, a re-analysis was done to examine 2,4-D use and its association with CML. This case-control study re-analyzed the data using the exposure definition used in the original study, re-analyzed the data using a redefinition of exposure, and conducted a dose-response analysis with the redefined exposure criteria. Our results agreed with the original author's analyses that no effects were found when stratifying by survey method and geographic region, and that there were no significant differences between separated and pooled control groups. However, we did not confirm a dose-response relationship between 2,4-D use and CML. Additionally, the occurrence of CML was not found significantly associated with the use of 2,4-D.