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**Evaluation of active ingredient, risk assessment and safety of pesticide on the life of farmers in Taraba State, Nigeria****Idiege Damasus Afo and Ushie A O**  
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This research is concern mostly on, the active ingredient, risk assessment and safety of the impact of pesticides either on human health and the environment. The research was carried out in Taraba state Nigeria. It is not easy for the certainty of the effect of pesticide on human health because of differences in the periods and levels of exposure, the types of pesticides used (regarding toxicity and persistence) and the environmental characteristics of the areas where pesticides are usually applied. However, it was discovered that, the number of the criteria used and the method of their implementation to assess the adverse effects of pesticides on human health could affect risk assessment and would possibly affect the characterization of the already approved pesticides and the approval of the new compounds in the near future. The study also shows that, new tools or techniques with greater reliability than those already existing are needed to predict the potential hazards of pesticides and thus contribute to reduction of the adverse effects on human health and the environment. The conclusion was that, the implementation of pesticides and the development of new pesticides with novel modes of action and improved safety profiles, towards safer formulations could reduce the adverse effects of toxicity in pesticides It was recommendation that, the use of appropriate and well-maintained spraying equipment along with taking all precautions that are required in all stages of pesticide handling could minimize human exposure to pesticides and their potential adverse effects on the environment.

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