



## Pesticide Residues Analysis on Stored Beans in Kaura Local Government Areas of Zamfara State.

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**Abstract :** The transferred or used of pesticides in crops and animals has been a long time practice in Northern Nigeria where farming become a cultural heritage of the people. This research was carried out to determine the concentration of the pesticides residues in Beans in some selected stored grains in Kasuwar Daji and Sabon Gari Kaura with the aimed of assessing it safety for human and animal's consumption. All the fifteen (15) beans samples collected from the two study sites were prepared using QuEChERS method (Quick, Easy, Cheap, Effective Rugged and Safe) and analyzed through gas chromatography-mass Spectrometry (GC-MS). The results show that about 95% of beans samples had content of pesticide residues lies within permissible limits in all the two sample sites. The concentration of five beans samples from Kasuwar Daji are Dimethroate (DIM) 0.009ppm, Beta-HCH (BHC) 0.011ppm, Fonofos (FON) 0.011ppm, Chloropyrifos (CHL) 0.012ppm, Dieldrin (DIE) 0.003ppm and Delta- HCH (DHC) 0.0012ppm while the ten beans samples in Sabon Gari Kaura are DIM 0.094ppm, BHC 0.011ppm, FON 0.0011ppm, CHL 0.002ppm, DIE 0.003ppm and DHC 0.0012ppm respectively. Although concentration of all the fifteen samples from the tow study sites lies within the maximum residue limits in beans. Cancer potency factor for Dimethroate (DIM), Beta-HCH (BHC), Fonofos(FON), Chloropyrifos (CHL), Delta HCH (DHC) and Dieldrin(DIE) most especially cypermethrine in children and adults might cause adverse health effects and toxicity due to their long term accumulation and persistence within human's body might be enough to cause risk in humans.

### Biography:

Abdullah ibn Hudhafah as-Sahmi was a companion of the Islamic prophet Muhammad. He is best known in Islamic tradition for his role as the courier of a letter from Muhammad to Khusraw Parvez, the King of Persia, and for his imprisonment and torture by Heraclius, the Byzantine Emperor.



### Publications:

1. Evaluating the Mechanical Properties of Admixed Blended Cement Pastes and Estimating its Kinetics of Hydration by Different Techniques
2. Genetic Diversity Using Random Amplified Polymorphic DNA (RAPD) Analysis for *Aspergillus niger* isolates
3. Au-Ag-Cu nanoparticles alloys showed antifungal activity against the antibiotics-resistant *Candida albicans*
4. Induce mutations for Bavistin resistance in *Trichoderma harzianum* by UV-irradiation
5. Biliary Sludge. Analysis of a Clinical Case

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