

## **AN INSECTICIDE CHEMICAL SPRAY COMPRISED OF ETHANOL AND TURMERIC (*Curcuma longa*) RHIZOME**

### **Abstract of the Disclosure**

5           Disclosed is a utility model for an insecticide chemical spray comprising 400  
grams ethanol and 100 grams turmeric (*Curcuma longa*) rhizome extract. The  
formulation utilizes ethanol as a safe and effective solvent to extract insecticidal  
bioactive compounds from turmeric (*Curcuma longa*) rhizome. The resulting  
composition provides an eco-friendly, economical, and locally sustainable  
10       alternative to synthetic chemical pesticides. The insecticide spray is simple to  
prepare, utilizes readily available materials, and is suitable for household and  
small-scale agricultural insect control applications. The utility model promotes  
environmentally responsible pest management while ensuring ease of  
production and year-round availability of raw materials.

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