



**CATTLE DIPPING PRACTICES IN THE PHILIPPINES AND THE  
DEGRADATION OF COUMAPHOS IN A SIMULATED CATTLE DIP**

*(Abstract)*

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A survey of cattle dip facilities and current practices employed was done. Coumaphos and ethion were the commonly used acaricides in the four respondent stock farms. The behavior of coumaphos in a simulated model cattle dip was monitored using radiotracer techniques. Degradation was rapid, resulting in the formation of potasan metabolite and bound residues in the sediment.

A rapid field method for the detection of organophosphate pesticides was used in monitoring the degradation of coumaphos in a cattle dip. The sensitivity of the method is comparable to the conventional HPLC method employed. This rapid field method can easily be used by cattle ranch owners to monitor coumaphos content of the vat facility so that recharging could be made in order to prevent the onset of resistance development in cattle tick.

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