

Level of resistance is as per the WHO criterion and mosquitospecies with less than 80% mortality during the standard susceptibility test with particular insecticide, is considered to be resistant to the insecticide tested.

(b) Yes, Sir. The integrated bioenvironmental strategy for control of vectors has been successfully developed and is being field tested at several sites by the Indian Council of Medical Research. Field experiments have demonstrated that this strategy is feasible, cost-effective and socially acceptable. In this strategy, the malaria control is achieved by involving the communities in the control of mosquito breeding by employing simple methods of filling, levelling, draining and use of larvivorous fishes.

In addition to this strategy, other technologies have been developed for vector control. Expanded Polystyrene beads have been used in overhead tanks and wells to control mosquito breeding. Biological control agents like larvivorous fishes, (*G. affinis*, *L. reticulatus*) bacillus (*B. thuringiensis*) fungi (*lagenidium*) nematodes (*R. iyengari*), are also being tested in the field, and better strains are being developed.

(c) The pesticide resistance has been on the increase with regard to the main rural malaria vector *A. culicifacies*.

(d) No, Sir.

### Enterance of Pesticides in Human Body

1531. SHRI P. R. KUMARAMANGALAM: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether Government are aware that many pesticides act upon and enter the human body through skin and if so, the names of such pesticides registered in India; and

(b) whether any of these is being sold for the control of lice etc. in human hair/body if so, the names of such products, prices at which sold and the name of manufacturers?

THE MINISTER OF HEALTH AND FAMILY WELFARE (SHRI NILAMANI ROUTHAY): (a) and (b). Some pesticides in diluted percentage which do not cause toxicity to humans have been registered under the Drugs and Cosmetics Act. Some of these, which are used locally on the scalp as ointments or oil for the treatment of lice and scabies are given in the statement below. The prices of these formulations are not controlled under Drugs Price Central Order 1987.

## STATEMENT

The pesticides which have also been registered as Pediculicide (anti-lice)/anti-scabies by State Licensing Authorities are as follows:—

Sl. No.	Generic Name	Brand Name	Name of the Manufacturer
1	2	3	4
(i)	r-Benzene Hexachloride (lindane) 1%	Emscab	M.M. Lab., Bombay
(ii)	—do—	GAB	Gufic Lab., Bombay
(iii)	—do—	Lorexane	ICI Ltd., Madras
(iv)	—do—	Scabex	M/s. Indico, Bombay
(v)	d-Phenothrin 0.23% w/v	Mediker	Proctor & Gamble