

**Item ID Number** 00232

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**Report/Article Title** Memorandum: Some Pesticides Used in Vietnam During June-December 1968 by 1st MARDIV (REIN) FMF; report of, from L. Lance Sholdt to R.H. Grothaus, 14 August 1980

**Journal/Book Title**

**Year** 0000

**Month/Day**

**Color**

**Number of Images** 2

**Description Notes**



100-100000-100000  
100-100000-100000  
100-100000-100000

REF ID: A66500  
INTEG:01:fr  
6250  
14 August 1980

From: Officer in Charge  
To: CDR R. H. GROTHAUS, Assistant Executive Secretary, Armed Forces Pest Management Board, Forest Glen Section, WRAMC, Washington, DC 20012  
Subj: Some pesticides used in Vietnam during June-December 1968 by 1st MARDIV (REIN) FMF; report of  
Ref: (a) Chairman, AFPMB ltr of 18 July 1980

1. In accordance with reference (a), the following information is provided regarding the subject use of pesticides in Vietnam. The data was compiled from monthly reports from the Preventive Medicine Officer, 1st MARDIV (REIN) FMF, to the Division Surgeon, 1st MARDIV. Reports were available for only the last six months of 1968. The region involved included the immediate and surrounding areas of DaNang, Phu Bai and An Hoa.

2. Pests and Vectors

a. Mosquitoes

larval control	11,600 lbs	2% Baytex granules
adult control	3,511 gals	6% Malathion
	270 gals	1.5% Malathion

b. Rodents

1000 zinc phosphide torpedoes  
1000 lbs diphacin blocks

c. Cockroaches

25 gals 0.5% Diazinon  
17 gals 0.5% Baygon

d. Filth Flies

13 gals 6% Diazinon  
44 gals 6% Malathion  
53 gals 1% Diazinon

3. The following were pesticides issued to various units in the 1st MARDIV TAOR during the six-month period:

482 gals	0.5% Diazinon
486 lbs	2% Baytex granules
168 lbs	Warfarin
263 lbs	Diazinon dust
74 lbs	1% Lindane dust
115 gals	57% Malathion
5 lbs	5% Chlordane dust

4. The equipment used to disperse the pesticides included:

Dyna Fog cold foggers	Grandap aerial dispersal rig
John Beam hydraulic sprayer	
Mity Mite back packs	
Hand compressed air sprayer	

5. Documents used in pest and vector control operations included:

MO-310, Military Operational Handbook

DVECC Recommendations for Chemical Control of Disease Vectors  
and Economic Pests

Copies of any pertinent 1st MARDIV regulations or directives are  
not available.

A Newsletter, "Preventive Medicine Digest," was used to promulgate  
limited information on vector control techniques (copies are not  
available). Formal classes were also held on vector control methods  
and safety for corpsmen in the 1st MARDIV TAOR.

6. According to unofficial records, "Ranch Hand" operations in the DaNang  
area dispensed a total of 8400 gallons of 57% Malathion on 4 separate opera-  
tional periods during the last 6 months of 1968.

7. In the 1st MARDIV, the greatest pesticide exposure to combat troops was  
probably from Malathion used in fogging and aerial dispersal operations.

8. The above information is not meant to be a summary of all pesticides  
used by the 1st MARDIV during June-December 1968. Summary data on pesticides  
used by various component units was not available.

L. LANCE SHOLDT