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SMUFD-PSL-PH

23 September 1969

SUBJECT: Report of Trip to Republic of Vietnam, 15 August-2 September 1969

b. All US Army chemical officers and USAF pilots assigned to the defoliation program should visit Fort Detrick for an orientation program of at least one week duration concerning the handling of herbicides and their effects on plants.

c. A continuing effort should be made to have at least one qualified botanist or plant scientist familiar with herbicides on the staff of MACV J-3 Chemical Operations Division at all times.

d. More effective measures are needed for the disposition of empty herbicide drums to avoid the hazards of volatilization and spillage of residual herbicides and the indiscriminate use of contaminated drums as storage containers for gasoline, diesel fuel and water. Widespread herbicide damage to shade trees and other desirable vegetation has been caused in Saigon, Da Nang and Bien Hoa by volatile fumes from empty drums and from contaminated gasoline or fuel used in private motorcycles and other vehicles. A disposal program is needed to eliminate this continuing source of vegetation damage. Personnel involved in this program should be thoroughly briefed in the hazards of improper use of herbicides.

e. A public information program should be initiated to stress the reason for the antimalarial insecticide spray program. Emphasis could be given to inform vegetable producers that the malathion would give them an added benefit by killing the insects on plants.

f. In certain base perimeter situations the team recognized a definite need for a soil-applied herbicide to control grass for periods of 3 to 6 months or more. This type of compound is used routinely by the US Army and US Air Force for control of vegetation at military installations throughout the United States and other areas of the world. In situations where inadequate grass control leads to the enemy infiltration of bases with the resultant loss of personnel and materials, the use of soil-applied herbicides to provide these installations with the most desirable agent is amply justified.

g. Based on the recent operational experience with ORANGE on defoliation targets in proximity to active rubber plantations, the alternative use of ORANGE or WHITE for such targets is recommended under the limitations set forth in MACV Directive 525-1.

h. The need for a positive valve shut off or other system for the spray systems of the UC-123 spray planes is desirable to eliminate leaking nozzles. A reverse pump which would draw the herbicide out of the spray booms and into the spray tank following a spray mission might be a satisfactory answer. It appears that damage caused by these leaky booms could be totally eliminated.