

CLASSIFICATION S-E-C-R-E-T **SECRET**

SECURITY INFORMATION  
CENTRAL INTELLIGENCE AGENCY  
INFORMATION FROM  
FOREIGN DOCUMENTS OR RADIC BROADCASTS

REPORT [ ]  
CD NO. --

50X1-HUM

COUNTRY USSR

SUBJECT Scientific - Biology, chemistry, insecticides,  
oil aerosols

DATE OF INFORMATION 1951

HOW PUBLISHED Thrice-weekly newspaper

DATE DIST. 14 Feb 1952

WHERE PUBLISHED Moscow

NO. OF PAGES 1

DATE PUBLISHED 16 Sep 1951

LANGUAGE Russian

SUPPLEMENT TO REPORT NO.

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SOURCE Moskovskiy Komsomolets.

SOVIETS USE OIL AEROSOLS FOR EXTERMINATING INSECT PESTS

USSR scientists have developed very successful methods for the dispersion of oils (e.g., solar oil) into aerosols and the use of such aerosols as a vehicle for insecticides. By dispersing oil in a current of hot air, droplets having a diameter of approximately one thousandth of a millimeter are obtained. They form a stable aerosol having the appearance of a fog. Oil aerosols to which a small quantity of DDT or hexachlorocyclohexane has been added are very effective against harmful insects and at the same time harmless to humans and animals. Thus, a cloud of aerosol released in a pasture where cattle or sheep are grazing kills within a few minutes all harmful insects prying on the animals and does not bother the animals. Such aerosols are also used for exterminating harmful insects and other pests in the buildings of animal-breeding farms and stables, as well as grain and produce warehouses.

A portable equipment for generating aerosols has been developed by Engineers G. I. Korotkikh and V. V. Stepanov. This equipment can be installed in a few minutes on an ordinary motor truck. Dispersion of the oil solution is carried out under use of energy supplied by the exhaust gases coming from the truck's engine. With the aid of equipment of this type, up to 30 kolkhoz barns and warehouses per day or the same number of stables can be treated with aerosols containing DDT or hexachlorocyclohexane.

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