

ITEM 2  
MANAGER'S REPORT NO. 46  
COUNCIL MEETING 92/06/29

TO: ACTING MUNICIPAL MANAGER 1992 JUNE 23

FROM: ACTING CHIEF PUBLIC HEALTH INSPECTOR

SUBJECT: ADULTICIDING OF MOSQUITOES

PURPOSE: TO INFORM COUNCIL ON THE USE OF THE PESTICIDE MALATHION FOR ADULTICIDING OF MOSQUITOES AND RECOMMEND ITS NON-USE TO THE LOWER MAINLAND MOSQUITO CONTROL BOARD.

RECOMMENDATIONS:

1. THAT Council support writing of a letter to the Lower Mainland Mosquito Control Board requesting that the pesticide Malathion not be used to adulticide mosquitoes.
2. THAT a copy of this report be forwarded to Mr. J.R. McBride, Municipal Clerk, Corporation of the District of Maple Ridge, 11995 Haney Place, Maple Ridge, B.C., V2X 6A9.

REPORT

1.0 INTRODUCTION:

At the regular Council Meeting on 1992 June 15, correspondence was received from Mr. J.R. McBride, Municipal Clerk, Corporation of the District of Maple Ridge, requesting that Burnaby, although not a member of the Lower Mainland Mosquito Control Board, give consideration to supporting the non-use of Malathion to adulticide mosquitoes.

The following report provides information on the use of Malathion to adulticiding of mosquitoes and recommends its non-use to the Lower Mainland Mosquito Control Board.

2.0 ADULTICIDING OF MOSQUITOES:

There are various chemical and biological methods that can be used to control mosquitoes effectively. The pesticide Malathion used for adulticiding of mosquitoes is one of the least toxic organophosphates. However, its use is at best effective only as an immediate short-term relief in any one area. Any changes to the wind direction can bring a new swarm to the sprayed area within a few hours.

In Burnaby, Environmental Health Services did have a mosquito control program. Staff responding to complaints would investigate and where required, use the pesticide Abate for mosquito control. However, as there was a decrease in mosquito problems and the use of chemicals could not be justified due to the impact on the environment, the program was stopped in the late 1970's.

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Birds, in addition to the chemical and biological methods, have also been used for mosquito control. Boxes, encouraging the nesting of swallows have been in place at Minnekhada Nature Park in Coquitlam, B.C. for a number of years. Swallows feed on a number of insects including mosquitoes and have shown to be effective in mosquito control over the long-term.

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**3.0 CONCLUSION:**

Burnaby is not a member of the Lower Mainland Mosquito Control Board. However, as there are other effective methods of mosquito control, staff recommend supporting the non-use of Malathion.

KCJ

K.C. Johnston, C.P.H.I.(C)  
ACTING CHIEF PUBLIC HEALTH INSPECTOR

DD/KCJ/dd

cc: Medical Health Officer  
Director Administrative &  
Community Services