

WAITE INSTITUTE
LIBRARY

THE LIBRARY
~~DEPT. OF BOTANY~~
WAITE AG. RES. INST.

STUDIES ON THE MICROFLORA OF MAKIN
SAND, (NORMAL PHASE) IN THE COUNTY BUCKINGHAM
IN THE UPPER SOUTH EAST OF SOUTH AUSTRALIA.

by

MARGARET W. LOUTIT

A thesis presented for the degree of
Master of Science, Adelaide January 1953

INDEX

	<u>Page</u>
I Introduction	1
II Description of Area	2
III Composition of Microflora	9
IV Relationship of Micro-organisms to soil problems	23
A. Decomposition of soil organic matter and the return of nitrogen to the soil from the organic matter	23
B. Nitrification and problems arising from nitrification.	35
V Summary	54
VI Acknowledgements	56
VII Bibliography	57