

CONTENTS

	Page
INTRODUCTION	1
REVIEW OF LITERATURE	2
MATERIALS AND METHODS	57
EXPERIMENTAL RESULTS	68
I- The virus isolation	68
II- Symptomatology and Host range	70
III- Physical Properties (Stability of the virus)	78
1- Thermal inactivation point (TIP)	78
2- Dilution end point (DEP)	78
3- Longevity <i>in vitro</i> (LIV)	78
IV- Mode of Transmission	80
1- Mechanical transmission	80
2- Aphid transmission	80
3- Seed transmission	81
V- Electron microscopy	81
VI- Serological Study	84
VII- Response of some Pepper cultivars to the virus isolate	86
DISCUSSION	90
SUMMARY	96
REFERENCES	99
ARABIC SUMMARY	