

CONTENT

	Page
Preface	v
Introduction	1
1. Principles of Fumigation	5
2. Precautions and Protective Devices	32
3. Modern fumigants	41
4. Space Fumigation at Atmospheric Pressure	112
5. Vacuum fumigation	168
6. Fumigation of Grain in Bulk	172
7. Fumigation of Standing Trees and Crops	192
8. Greenhouse Fumigation	204
9. Assessment of insect mortality	209
10. Plant quarantine Treatments	216
Fumigation Schedules	221
A Bulk fumigation of grain in upright storage	224
B Bulk fumigation of grain in flat storage	225
C List of plants which have sustained injury from fumigation with methyl bromide	226
D Methyl bromide fumigation of actively growing plants	231
E Methyl bromide fumigation of foliated dormant plants	232
F Methyl bromide fumigation of nonfoliated dormant plant material	233
G Methyl bromide fumigation of orchids	234
H Methyl bromide fumigation of fresh fruit at atmospheric pressure	235
I Methyl bromide fumigation of fresh vegetable	239
J Ethylene dibromide fumigation of fresh fruit	242
K Ethylene dibromide fumigation of fresh vegetable	245
L HCN fumigation of fresh fruit	246
M HCN fumigation of dormant nursery stock	247
N Fumigation of flower bulbs and corms	248
O Methyl bromide fumigation of cut flowers	249
P Atmospheric and vacuum fumigation for the control of pests infesting packaged plant Products	250
Q Fumigation of mills and empty structures	258
R Fumigation for controlling rodents and other mammalian pests, snakes, birds, ants' nests, wasps and termites	260
S Spot fumigants for mills	261
Selected references	262
Appendixes	275
1. Tests for gastightness	277
2. Conversion factors and relationships useful in fumigation work	278
3. General first aid for accidents with fumigants	283
Index	285
Addenda	290