

TABLE OF CONTENTS

LIST OF TABLES	1
LIST OF FIGURES	1
INDEX TO BINOMIAL NAMES	3
ACKNOWLEDGEMENTS	6
INTRODUCTION	8

PART I

EARLY DRAWINGS OF <i>T. PATULA</i> AND <i>T. MINUTA</i>	10
GENUS ETYMOLOGY.	12
GENERIC ORIGIN	13
THE COMMON NAME.	14
ORIGIN OF THE CULTIVATED SPECIES	17
SPREAD OF THE CULTIVATED RACES	19
HORTICULTURAL HISTORY.	22
USES OF TAGETES (INTRODUCTION)	25
DRUG, HOUSEHOLD, MAGICAL AND FOLK USES.	25
CEREMONIAL OR RELIGIOUS USES.	28
USES OF <i>T. MINUTA</i>	31
PATHOLOGY AND PARASITOLOGY	42
SURVEY OF THE KNOWN CHEMISTRY OF TAGETES	46
CHEMOTAXONOMY AND THE ESSENTIAL OILS	51

PART II

ECOLOGY AND GEOGRAPHICAL DISTRIBUTION.	56
MORPHOLOGICAL AND TAXONOMIC CRITERIA	56
CYTOGENETICS	66
GENERIC LIMITS	77
KEY TO REPRESENTATIVES OF THE SUBTRIBE TAGETININAE	78
GENERIC DESCRIPTION.	79
KEY TO THE SUBGENERA OF TAGETES.	80
THE SUBGENUS <i>LUCIDA</i>	81
KEY TO THE SUBGENUS <i>LUCIDA</i>	84
<i>T. MICRANTHA</i> (1).	84
<i>T. FILIFOLIA</i> (2).	91
<i>T. PRINGLEI</i> (3).	104
<i>T. LUCIDA</i> (4).	107
THE SUBGENUS <i>TAGETES</i>	119
KEY TO THE SUBGENUS <i>TAGETES</i>	121
<i>T. BIFLORA</i> (5).	125
<i>T. ARGENTINA</i> (6).	126
<i>T. SUBULATA</i> (7).	129
<i>T. MULTIFLORA</i> (8).	138
<i>T. MENDOCINA</i> (9).	144
<i>T. FOETIDISSIMA</i> (10).	148
<i>T. OSTENI</i> (11).	151
<i>T. GRACILIS</i> (12).	152
<i>T. LAXA</i> (13).	154
<i>T. DAUCOIDES</i> (14).	156
<i>T. CORONOPIFOLIA</i> (15).	158

T. PEREZI (16)	.163
T. CARACASANA (17)	.164
T. MINUTA (18)	.168
T. TERNIFLORA (19)	.177
T. LINIFOLIA (20)	.182
T. HARTWEGII (21)	.183
T. STENOPHYLLA (22)	.186
T. NELSONII (23)	.192
T. DIANTHIFLORA (24)	.192
T. MANDONII (25)	.199
T. LEMMONI (26)	.202
T. MULLERI (27)	.207
T. LACERA (28)	.209
T. RUPESTRIS (29)	.210
T. PARRYI (30)	.213
T. CRASSICEPS (31)	.219
T. CAMPANULATA (32)	.221
T. ZYPAQUIRENSIS (33)	.224
T. SORORIA (34)	.229
T. SUBVILLOSA (35)	.232
T. JALISCENSIS (36)	.233
T. MICROGLOSSA (37)	.238
T. TENUIFOLIA (38)	.244
T. ERECTA (39)	.249
T. PATULA (40)	.254
EXCLUDED NAMES AND SPECIES	.261

APPENDIX

THE VULGAR NAMES OF TAGETES	.263
APPENDIX OF CHEMICAL COMPOUNDS OF TAGETES	.274
EXSICCATAE	.283
LITERATURE CITED	.297