

LIST OF FIGURES

FIGURE	DESCRIPTION	AFTER PAGE
1.1	<u>C. cajan</u> showing nature habitat	50
1.2	Parts of the <u>P.tetragonolobus</u> suitable for human consumption	50
1.3	Pods of <u>C. cajan</u> at different developmental stages	50
2.1	Moisture percentage in seed and pod cover of <u>C.cajan</u> during pod development	71
2.2	Moisture percentage in seed and pod cover of <u>P.tetragonolobus</u> during pod development	71
2.3	Total nitrogen in seed and pod cover of <u>C.cajan</u> during pod development	82
2.4	Total nitrogen in seed and pod cover of <u>P. tetra-</u> <u>gonolobus</u> during pod development	82
2.5	Nitrate and nitrite reductase in seed and pod cover of <u>C.cajan</u> during pod development	90
2.6	Total protein in seed and pod cover of <u>C.cajan</u> during pod development	103
2.7	Total protein in seed and pod cover of <u>P.tetra-</u> <u>gonolobus</u> during pod development	103
2.8	Free proline in seed and pod cover of <u>C.cajan</u> during pod development	111
2.9	Total chlorophylls in seed and pod cover of <u>C. cajan</u> during pod development	117
2.10	Chlorophylls in seed and pod cover of <u>C.cajan</u> during pod development	117
2.11	Chlorophyll a:b ratio in seed and pod cover of <u>C.cajan</u> during pod development	117
2.12	Reducing sugars, total sugars and starch in the seed of <u>C.cajan</u> during pod development	128

contd.

LIST OF FIGURES contd.

FIGURE	DESCRIPTION	AFTER PAGE
2.13	Reducing sugars, total sugars and starch in the pod cover of <u>C.cajan</u> during pod development	128
2.14	Reducing sugars, total sugars and starch in the seed of <u>P.tetragonolobus</u> during pod development	128
2.15	Reducing sugars, total sugars and starch in the pod cover of <u>P.tetragonolobus</u>	128
2.16	α -amylase activity in seed and pod cover of <u>C.cajan</u> during pod development	132
2.17	Polyphenol in seed and pod cover of <u>C.cajan</u> during pod development	136
2.18	Sodium in seed and pod cover of <u>C.cajan</u> during pod development	146
2.19	Potassium in seed and pod cover of <u>C.cajan</u> during pod development	148
2.20	Calcium in seed and pod cover of <u>C.cajan</u> during pod development	151
2.21	Phosphorus in seed and pod cover of <u>C.cajan</u> during pod development	155
2.22	Magnesium in seed and pod cover of <u>C.cajan</u> during pod development	157
2.23	Manganese in seed and pod cover of <u>C.cajan</u> during pod development	159
2.24	Iron in seed and pod cover of <u>C.cajan</u> during pod development	158
2.25	Copper in seed and pod cover of <u>C.cajan</u> during pod development	161
2.26	Nickel in seed and pod cover of <u>C.cajan</u> during pod development	164

contd.

LIST OF FIGURES contd.

FIGURE	DESCRIPTION	AFTER PAGE
2.27	Zinc in seed and pod cover of <u>C.cajan</u> during pod development	163
2.28	Sodium in seed and pod cover of <u>P.tetragono-</u> <u>lobus</u> during pod development	146
2.29	Potassium in seed and pod cover of <u>P.tetragono-</u> <u>lobus</u> during pod development	148
2.30	Calcium in seed and pod cover of <u>P.tetragono-</u> <u>lobus</u> during pod development	151
2.31	Phosphorus in seed and pod cover of <u>P. tetra-</u> <u>gonolobus</u> during pod development	155