## ( v )

## LIST OF TABLES

| Table | Title  | Page No. |
|-------|--|----------|
| 2.1   | Area under cultivation and annual production of proso millet in different states of India.   | 11       |
| 2.2   | Representative values ( 100 g of edible portion) of nutrients in proso millet.   | 21       |
| 2.3   | Vitamin content of proso millet seeds.   | 23       |
| 2.4   | Mineral contents in proso millet.  | 25       |
| 2.5   | Composition of Lipids in proso millet.   | 26       |
| 2.6   | Essential Amino acids in proso millet.   | 27       |
| 2.7   | Distribution of Lysine and Tryptophan different<br>protein fractions of two species of proso mille   |          |
| 3.1   | Growth and development of <u>P.miliaceum</u> .   | 61       |
| 3.2   | Changes in Net assimilation rate (NAR),<br>Relative growth rate (RGR) and Leaf area ratio<br>during growth and development of <u>P.miliaceum</u> . | 63       |
| 3.3   | Organic constituents of root, stem and leaves of P.miliaceum during growth and development.  | 74       |
| 3∙4   | Inorganic constituents of root, stem and leaves of <u>P.miliaceum</u> during growth and development.   | 90       |
| 4.1   | Organic constituents of root, stem and leaves<br>of <u>P.miliaceum</u> during water stress (fresh<br>weight basis).                                | 106      |
| 4•2   | Organic constituents of root, stem and leaves of <u>P.miliaceum</u> during water stress (Dry weight basis).  | 116      |

٠

•

1

| 1 |     | ١ |
|---|-----|---|
| L | AT. | 1 |

| Table         | Title  | Page No.    |
|---------------|--|-------------|
| 4.3           | Changes in inorganic constituents of root, stem and leaves of <u>P.miliaceum</u> during water stress.                          | 134         |
| 4' <u>°</u> 4 | Effect of Water stress on stomatal apparatus in <u>P.miliaceum</u> .   | 137         |
| 4.5           | Organic constituents of young (flag),<br>mature and senescent leaves of <u>P.miliaceum</u> .                                   | 154         |
| 5.2           | Inorganic constituents of young (flag),<br>mature and senescent leaves of <u>P.miliaceum</u> .                                 | 162         |
| 5.3           | Changes in peroxidase, catalase, acid<br>phosphatase and nitrate reductalse during<br>senescence of <u>P.miliaceum</u> leaves. | <b>1</b> 69 |

.

•

ı

-