APPENDIX- I

Weather report for the crop year 1972-73 and 1973-74

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<th>Relative humidity (%)</th>
<th>Wind speed (km/h)</th>
<th>Evaporation rate (mm/day)</th>
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## APPENDIX - II

Morphological description of the parents used in the study

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<td>T 163</td>
<td>Bulandshar</td>
<td>High yielding; bold, smooth, round seeded white field pea. Recommended throughout the country.</td>
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<tr>
<td>2.</td>
<td>T 61</td>
<td>20 x NP 29 (Kanpur)</td>
<td>High yielding; green, wrinkled seeded table pea.</td>
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<tr>
<td>3.</td>
<td>P 200</td>
<td>Gonda (U.P.)</td>
<td>Coloured flowers, round, small mottled seeds (<em>P. arvense</em>).</td>
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<td></td>
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<tr>
<td>1.</td>
<td>6253</td>
<td>T 17 x NP 29 (Kanpur)</td>
<td>Dwarf; bold wrinkled seeded; early maturing table pea.</td>
</tr>
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<td>6563</td>
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<td>U.S.A.I.D.</td>
<td>Tall; bold, round seeds, black hilum.</td>
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<td>Medium tall; bold, wrinkled seeds.</td>
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<td>Tall; coloured flower, desi pea.</td>
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<tr>
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<td>P 244</td>
<td>Gorakhpur (U.P.)</td>
<td>Tall; coloured flower, desi pea.</td>
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<td>I.A.R.I. (New Delhi)</td>
<td>Tall; very bold bluish round seeds. It is known as 'Himpu'.</td>
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<tr>
<td>8.</td>
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<tr>
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<td>Mathura (U.P.)</td>
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</tr>
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<td>P 264</td>
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<td>Medium; medium size; high yielding.</td>
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<td>U.S.A.I.D.</td>
<td>Tall; small seeds; good fruiting.</td>
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<tr>
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<td>U.S.A.I.D.</td>
<td>Very tall; prolific fruiting.</td>
</tr>
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<td>P 63</td>
<td>U.S.A.I.D.</td>
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<td>P 41</td>
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<td>P 298</td>
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</table>

*Exotic*
### APPENDIX-III

Heterosis estimated over mid parent (M.P.), better parent (b.P.) and best parent (B.P.), and inbreeding depression (I.D.), in per cent, for 13 quantitative characters in peas.

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<td>Heterosis (%) over I.D.</td>
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| C.D. 5% | 1.6  | 1.8  | 1.8  | 0.2  | 0.3  | 0.3  | 23.0 | 26.5 | 26.5 | 7.7  | 8.9  | 8.9  |
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* Significant at 5 per cent