
<table>
<thead>
<tr>
<th>Legume crops</th>
<th>Optimum B† rate, kg/ha</th>
<th>B response, kg grain/kg B</th>
<th>Increase in income/kg of applied B, ₹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybean</td>
<td>2.0</td>
<td>115</td>
<td>2,944</td>
</tr>
<tr>
<td>Groundnut</td>
<td>2.0</td>
<td>160</td>
<td>6,400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pulse crops</th>
<th>Optimum B† rate, kg/ha</th>
<th>B response, kg grain/kg B</th>
<th>Increase in income/kg of applied B, ₹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lentil</td>
<td>2.0</td>
<td>103</td>
<td>2,987</td>
</tr>
<tr>
<td>Pigeon pea</td>
<td>2.0</td>
<td>316</td>
<td>13,588</td>
</tr>
<tr>
<td>Gram</td>
<td>1.0</td>
<td>90</td>
<td>2,700</td>
</tr>
</tbody>
</table>

†Applied as Borax. Prices/costs of crops and fertilizers used per kg were: ₹25.60 for soybean, ₹40 for groundnut, ₹29 for lentil, ₹43 for pigeon pea and ₹30 for gram; ₹78 for borax. 159 (Indian Rupee) = US$1.

Data shown is the average of three years for each crop.

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References

14th International Symposium on Soil and Plant Analysis

We invite you to attend ISSPA 2015, to be held January 26-30, 2015 at the Courtyard King Kamehameha’s Kona Beach Hotel in Hawaii. This international symposium brings together global leaders from industry, government, and academia to share the latest progress in making science-based decisions influencing the stewardship of soil, water, and plants.

Program Themes and Topics
The 2015 conference theme is The Year of Soils: Stewardship through Analysis. This ties in with the UN declaration that 2015 will be recognized as the International Year of Soils to raise awareness of this precious and fragile resource.

Monday Workshops:
- Unraveling Potassium Recommendations
- Laboratory Quality Control and Assessment
- Tools for Understanding Soil Health
- Tissue Analysis Interpretation

Symposium Themes include:
- The year of soils: stewardship through analysis
- Advancing global food security with analytical tools
- Making recommendations using nutrient ratios
- Environmental stewardship and sustainability
- Implementing precision agriculture: sampling and analysis
- Better prediction of potassium requirements
- Quality assurance in the lab and in the field
- Data handling
- Emerging techniques for improved soil, water, and plant analysis

Oral and poster participants are encouraged to nominate their presentation for inclusion as a manuscript in a special peer-reviewed issue of Communications in Soil Science and Plant Analysis.

Who should attend this symposium? The one-day devoted to workshops plus four-day symposium brings together leaders in the fields of soil and plant analysis to focus on the latest developments in science, practice, and interpretation, and to discuss future directions of the industry. We anticipate attendance by a range of professionals from Australasia, North and South America, Asia, Africa, and Europe. This will include commercial and research laboratory personnel, academic and government researchers, environmental scientists and consultants, and agricultural researchers and consultants.

The International Symposium on Soil and Plant Analysis (ISSPA) occurs every two years to advance the science of soil and plant analysis. The 2015 meeting is organized by the Soil and Plant Analysis Council (SPAC) www.spacouncil.com. The principal purpose of SPAC is to promote consistency and quality in soil and plant testing services for agricultural and environmental stewardship.

For more details on key information, please visit the Symposium’s website www.isspa2015.com.