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Cost/Benefit Analysis of GMO Corn in Nepal

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Abstract
A large percentage of people in Nepal are below the poverty line and starving. Because of this, Monsanto introduced GMO Bt Corn, which was beneficial, but not accepted by the Nepali people. In order to combat these negative views of GMO foods, information materials and community sessions will be provided for the Nepali people, in hopes of a higher acceptance of GMO corn.

Approach
Implement an educational approach by:
• Using Nepali natives to inform their fellow farmers of the benefits
• Educational courses
• Bring a financial analyst to look at the costs of implementing GMO corn
• Host community information sessions
• Understand the cultural stigmas of the Nepali people
• Conduct field testing with the GMO Bt Corn
• Present findings to Nepali government

Benefits

<table>
<thead>
<tr>
<th>Benefit Category</th>
<th>Per Acre Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pesticide Reduction</td>
<td>$1.99</td>
</tr>
<tr>
<td>Economic Savings to Farmers</td>
<td>$1.96</td>
</tr>
<tr>
<td>Mycotoxin Reduction</td>
<td>$1.98</td>
</tr>
<tr>
<td>Improved Corn Market Value</td>
<td>$1.97</td>
</tr>
</tbody>
</table>

Outcome
With the people accepting GMO Bt Corn and implementing it for food for their livestock, the outcomes would entail:
• More widespread knowledge GMO Bt Corn
• Federal budgeting/access to credit
• Increased food supply
• Increased income for farmers

Conclusion
GMO corn was found to be beneficial for the Nepali people in the aspects of health and economics. This corn has the potential to decrease the poverty rate in Nepal. Creating an impact in Nepal requires a cultural change stemming from the farmers and government legislation.

References