



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_50313
Title of the Manuscript:	Improving Maize Yield and Nitrogen Use Efficiency Using Spectral Properties of Leaves for Need-Based Nitrogen Management
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>A micro-Kjeldahl will not detect nitrate so the whole plant N analysis won't include variable levels of nitrate in the lower stalk. Stalk nitrate will vary with increasing soil N fertility.</p> <p>Unless you can demonstrate a significant F interaction by analysis of variance significant interaction cannot be claimed. Significant interactions CANNOT be demonstrated by LSD, or Student t. If something different was interpreted from the journal instructions, either the instructions were misinterpreted or the instructions are wrong.</p>	<p>We contacted the laboratory technician who did the total nitrogen analysis and he admitted that he used the micro-kjeldahl method but with slight modification to include nitrate content at the lower stalk of the plant. Nitrate was converted into ammonium salts by using salicylic acid as described by Tel and Hegatey (1984).</p> <p>The LSD values have been replaced with the F values.</p>