Using local knowledge as a basis for planning ruminant diets in the mid hills of Nepal

D. Subba¹, P. Thorne² and F.L. Sinclair³

The problem
Requirement to deliver information tailored to farmers’ individual needs are not well catered for by conventional extension methodologies.

The solution
Tools that can generate extension material (Fig. 3) customised to specific sets of local circumstances (Fig. 2).

The mechanism
Software running on interpreted local knowledge of nutritive value, integrated with a biological model of animal nutrition (Fig. 1).

The benefits of using local knowledge
- overcomes problems of data availability because farmer’s knowledge accounts for variability,
- avoids bias arising from assumptions inherent in perspectives of conventional animal scientists,
- generates greater impact because farmers objectives, which are implicit in their evaluation of fodder, are addressed directly.

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Contacts:
¹ Agricultural Research Station, Pakhribas, Dhankuta, Nepal
² Stirling Thorne Associates, UK
³ School of Agricultural and Forest Sciences, University of Wales, Bangor, Wales, UK