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Nota di contenuto	Contributors; Preface; 1 Forages and Their Role in Animal Systems; 2 Forage Evaluation for Efficient Ruminant Livestock Production; 3 Intake of Forages; 4 Prediction of Energy Supply in Ruminants, with Emphasis on Forages; 5 Forage Evaluation Using Measurements of Energy Metabolism; 6 The Measurement of Forage Digestibility In Vivo; 7 Faeces as a Source of Microbial Enzymes for Estimating Digestibility; 8 Enzyme Techniques for Estimating Digestibility; 9 The In Situ Technique for the Estimation of Forage Degradability in Ruminants; 10 Cumulative Gas-production Techniques for Forage Evaluation 11 Animal-based Techniques for the Estimation of Protein Value of Forages 12 In Situ Techniques for the Estimation of Protein Degradability and Postrumen Availability; 13 Enzymatic and Microbial-cell Preparation Techniques for Predicting Rumen Degradation and Postruminal Availability of Protein; 14 Characterization of Forages by Chemical Analysis; 15 Near-infrared (NIR) Spectroscopy: an Alternative Approach for the Estimation of Forage Quality and Voluntary Intake; 16 NMR and Other Physicochemical Techniques for Forage Assessment; 17 Trace-mineral Status of Forages; 18 Major Minerals in Forages; 19 Vitamins in Forages; 20 Secondary Plant Compounds and Forage

Evaluation; 21 Current Procedures, Future Requirements and the Need for Standardization; Index

Sommario/riassunto

Pressures to maximize the use of forages in ruminant diets have renewed interest in fast, inexpensive methods for the estimation of their nutritional value. This book addresses the status of these procedures, and their potential and limitations.