1. Record Nr. UNINA9910784117703321 Forage evaluation in ruminant nutrition // edited by D.I. Givens [et al.] Titolo Wallingford, Oxon;; New York:,: CABI Pub.,, 2000 Pubbl/distr/stampa ©2000 **ISBN** 1-280-81156-0 9786610811564 0-85199-928-X Descrizione fisica 1 online resource (xii, 480 pages): illustrations Altri autori (Persone) GivensD. I (D. Ian) Disciplina 636.20855 Soggetti Forage plants - Evaluation Ruminants - Feeding and feeds Ruminants - Nutrition Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references and index. Nota di bibliografia Contributors; Preface; 1 Forages and Their Role in Animal Systems; 2 Nota di contenuto 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 Forages12 In Situ Techniques for the Estimation of Protein Degradability and Postrumen Availability: 13 Enzymatic and Microbialcell 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

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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.