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Descrizione fisica	1 online resource (XIX, 213 p. 30 illus., 25 illus. in color.)
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Lingua di pubblicazione	Inglese
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Nota di contenuto	Chapter 1. Prelusion Significance of Livestock -- Chapter 2. Mass Balance concept in Livestock Farming -- Chapter 3. Goat and Sheep Farming -- Chapter 4. Cattle and Buffaloes Farming -- Chapter 5. Factors Influencing Livestock Way of Life -- Chapter 6. Sustainable Livestock Farming -- Chapter 7. Conceptual Development of Livestock Supply Chain Management.
Sommario/riassunto	This book presents a concept for implementing a mass balance approach toward developing an effective eco-friendly, livestock farming system independent of external energy input. In this context it describes a modern, integrated farming system, and includes comprehensive technical information explaining the design and evaluation of manure management systems, and modeling and operational tools. It first discusses the mass balance operating process, highlighting the difference between imported and exported mass across the farm boundary. Estimating mass balance can provide critical information for (comprehensive) nutrient management planning and for managing the movement of nutrients and manure. It then explains the estimation of whole-farm P mass balance using a suitable model system. The subsequent chapters provide updated information on management aspects of livestock-farming and generation of multiple

job opportunities, and also explore various aspects of livestock farming operational protocols like housing and management; nurture of rams, ewes and lambs, new born calves and heifers; care of buck, doe and kid- nutrition flushing; concept zero grazing-systems; disease control and management; integrated goat farming; and crop-livestock integration. Further, the book addresses crop-livestock integration; energy autonomy in cattle farming; value added biopharmaceuticals from cattle farming; CAPEX for cattle farming; concepts of cattle farming; detrimental effects of the industry; topographic and edaphic factors, and thermal stress on livestock growth and development; socioeconomic development; and water requirements for livestock. The book concludes with the most important issue in the field of agriculture and veterinary science: "Livestock Farming with Care," describing sustainable, eco-friendly livestock farming by highlighting issues like animal feed vs. human food; agricultural GDP vs livestock, and factors affecting the sustainability of livestock farming. Given its scope, this book is a valuable resource for researchers and students alike, and will also appeal to practitioners in the field of livestock.
