

## **Contents**

Con	tributors	vii
Fore	eword	ix
Pref	ace	xi
Ack	nowledgements	xiii
Part	:I	
1	<b>Greenhouse Gas Emissions</b> C.A.M. de Klein, C. Pinares-Patino and G.C. Waghorn	1
2	<b>Impacts of Pastoral Grazing on Soil Quality</b> S.P. Cuttle	33
3	Land-Water Interactions: Impacts on the Aquatic Environment R.J. Wilcock	75
4	<b>Socio-economic Issues in Pasture-based Farming</b> D. Bewsell and C. Dake	98
Par	t II	
5	Impact of Livestock Grazing on Extensively Managed Grazing Lands W.H. Schacht and P.E. Reece	122

6	Environmental Effects of Sheep Farming J.T. Scott and E.A. Robertson	144
7	<b>Pressures on Beef Grazing in Mixed Production Farming</b> A.N. Sharpley and C. West	187
8	The Environmental Impacts of Non-irrigated, Pasture-based Dairy Farming R.M. Monaghan	209
9	<b>Impacts of Irrigated Dairying on the Environment</b> <i>D. Nash and K. Barlow</i>	232
10	The Impact of Hybrid Dairy Systems on Air, Soil and Water Quality: Focus on Nitrogen and Phosphorus Cycling P.J.A. Kleinman and K. Soder	249
Indo	Index	