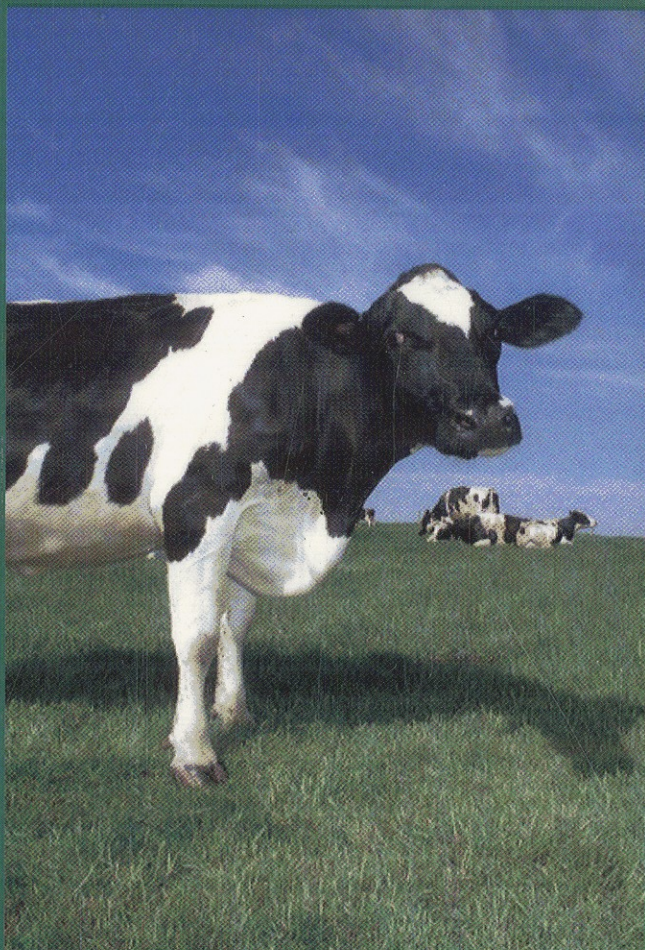


# dairying

*using science to meet consumers' needs*



edited by E Kebreab, J Mills and D Beever



# CONTENTS

Preface	vii
1. Review of dairy heifer rearing and its effect on performance, longevity, costs and farm income	1
J. Margerison <i>University of Plymouth, Seale Hayne</i>	
2. Physiological adaptations to milk production that affect fertility in high yielding dairy cows	37
V. Taylor <i>Royal Veterinary College, University of London</i>	
3. Metabolic consequences of increasing milk yield – revisiting Lorna	73
C. Reynolds <i>The Ohio State University, USA</i>	
4. Longevity	85
D. Logue <i>Scottish Agricultural College, Auchincruive, Ayr</i>	
5. Optimising milk composition	107
A. Lock and K. Shingfield <i>University of Nottingham, University of Reading</i>	
6. Using biotechnology for the production and enhancement of livestock feed	189
G. Hartnell <i>Monsanto Company, USA</i>	
7. Customers and consumers health	199
A. Minihaue <i>University of Reading</i>	