

Conservation Tillage and Cropping Innovation

Constructing the New
Culture of Agriculture

C. Milton Coughenour
Shankariah Chamala

Contents

Foreword	vii
Preface	ix
Acknowledgments	xiii
1 Introduction	3
2 Conceptualizing System Innovation: Social Construction of Conservation Tillage and Cropping	15
3 Plow Culture in the United States and Australia	45
4 Farming in the 1950s: The Driving Forces	65
5 The Social Construction of Innovative Networks	93
6 Social Construction of New Tillage and Cropping Systems in the United States	135
7 The Construction of New Tillage Systems in Australia	181
8 The Spread of Conservation Tillage in Kentucky and Queensland	223
9 Reconstructing the Farm Landscape: The Spread of Conservation Tillage in the United States	255
10 Planning Conservation Cropping: Implications for Research, Development, and Extension	297
11 The New Agriculture of Conservation Cropping: Present and Future	317
Bibliography	329
Acronyms	353
Index	355