

CONTENTS

<i>Acknowledgements</i>	v-vi
<i>List of Tables</i>	vii-ix
<i>List of Figures & Charts</i>	x
<i>List of Appendix</i>	xi
CHAPTER 1: INTRODUCTION	1-8
1.1 Background	1
1.2 Rationale behind the Study	5
1.3 Objectives of the Study	6
1.4 Hypotheses	6
1.5 Scheme of Chapterisation	7
CHAPTER 2: COMPOSITION, MAGNITUDE AND TREND OF INPUT SUBSIDIES	9-61
2.1 Review of Literature	9
2.2 Fertiliser Subsidy	21
2.2.1 Methodology	21
2.2.2 Estimated Fertiliser Subsidy	22
2.2.2.1 Fertiliser Subsidy in India	27
2.2.2.2 Fertiliser Subsidy in Haryana	31
2.2.2.3 Comparison of Fertiliser Subsidy at all India Level and in Haryana	34
2.3 Electricity Subsidy	35
2.3.1 Methodology	37
2.3.2 Estimated Electricity Subsidy	37
2.3.2.1 Electricity Subsidy in India	37
2.3.2.2 Electricity Subsidy in Haryana	39
2.3.2.3 Comparison of Electricity Subsidy at all India Level and in Haryana	42
2.4 Canal Irrigation Subsidy	44
2.4.1 Methodology	45
2.4.2 Estimated Irrigation Subsidy	46
2.4.2.1 Canal Irrigation Subsidy in India	46
2.4.2.2 Canal Irrigation Subsidy in Haryana	49
2.4.2.3 Comparison of Canal Irrigation Subsidy at all India Level and in Haryana	50
2.5 Estimated Total Subsidy	52
2.5.1 Total Input Subsidy to Agriculture Sector in India	52
2.5.2 Total Input Subsidy to Agriculture Sector in Haryana	55
2.5.3 Comparison of Total Input Subsidy to Agriculture Sector at all India Level and in Haryana	59
2.6 Summary	60

CHAPTER 3: FARM WISE INPUT SUBSIDY	71-99
3.1. Physiographical Setting of Sample Districts	71
3.1.1. Bhiwani	71
3.1.2 Panipat	72
3.1.3 Yamunanagar	73
3.2. Sample Design	73
3.3. Methodology	75
3.3.1 Fertiliser Subsidy	75
3.3.2 Canal Irrigation Subsidy	76
3.3.3 Electricity Subsidy	76
3.4. Socio-Economic Features of Sample Households	78
3.4.1 Population Details of Sample Households	78
3.4.2 Educational Profile of Sample Households	78
3.4.3 Occupational Structure	80
3.4.4 Asset Profile	82
3.4.5 Land Profile of Sample Households	83
3.4.6 Cropping Pattern	85
3.4.7 Productivity of Different Crops	87
3.5. Utilisation of Input Subsidy	89
3.5.1 Farm Wise Input Subsidy (Per Acre)	89
3.5.2 Farm Wise Input Subsidy (Per Household)	91
3.5.3 Composition of Input Subsidy	93
3.5.4 Farm-Wise Input Subsidy (Electrical Pumpset Owners)	94
3.5.5 Farm Wise Input Subsidy (Electrical Pumpset Owners) (Per Household)	96
3.5.6 Composition of Input Subsidy (Electrical Pumpset Owners)	97
3.6. Summary	98
CHAPTER 4: CROP WISE INPUT SUBSIDY	100-129
4.1. Methodology	100
4.2. Utilisation of Subsidy and Profitability of Different Crops	101
4.2.1 Wheat	101
4.2.2 Sugarcane	103
4.2.3 Paddy	105
4.2.4 Basmati	107
4.2.5 Cotton	107
4.2.6 Mustard	110
4.2.7 Barley	112
4.2.8 Pulse	114
4.2.9 Gram	114
4.2.10 Bajra	117
4.2.11 Fodder	119
4.2.12 Vegetables	121

4.3	Comparison of Crop Wise Subsidy and Profitability	121
4.4	Profitability of Agriculture Sector (Without Subsidy)	124
4.5	Problems in Accessing Input Subsidy	127
4.6	Summary	129
CHAPTER 5: WTO AND HARYANA AGRICULTURE		130-155
5.1	WTO Provision Related to Domestic Support	131
5.2	Issues Related to Domestic Support	132
5.3	Methodology to Estimate Total AMS	135
5.4	Estimated Product-Specific AMS	137
	5.4.1 Wheat	137
	5.4.2 Rice	139
	5.4.3 Sugar	139
	5.4.4 Cotton	142
	5.4.5 Total Product Specific AMS	142
5.5	Non-Product Specific Support	145
	5.5.1 Seed Subsidy	146
	5.5.2 Credit Subsidy	147
	5.5.3 Total Non-Product Specific AMS	148
5.6	Aggregate Measures of Support (AMS)	150
5.7	AMS (Three Year Moving Average)	153
5.8	Summary	155
CHAPTER 6: COMPETITIVENESS OF AGRICULTURE SECTOR IN HARYANA		156-178
6.1	Review of Literature	156
6.2	Methodology	162
	6.2.1 Nominal Protection Coefficient (NPC)	163
	6.2.2 Effective Protection Coefficient (EPC)	164
	6.2.3 Effective Subsidy Coefficient (ESC)	165
	6.2.4 Domestic Resource Cost (DRC)	165
6.3	Data Source	167
6.4	Estimates of Efficiency and Competitiveness	168
	6.4.1.1 Wheat (Exportable Hypothesis)	168
	6.4.1.2 Wheat (Importable Hypothesis)	169
	6.4.2.1 Rice (Exportable Hypothesis)	170
	6.4.2.2 Rice (Importable Hypothesis)	172
	6.4.3.1 Cotton (Exportable Hypothesis)	173
	6.4.3.1 Cotton (Importable Hypothesis)	174
	6.4.4.1 Sugar (Exportable Hypothesis)	175
	6.4.4.2 Sugar (Importable Hypothesis)	176
6.5	Summary	177

CHAPTER 7: SUMMARY AND CONCLUSION	179-191
8.1 Outline of the Study	179
8.2 Summary of Findings	181
8.3 General Conclusions	188
8.4 Policy Implication	190
References	192-203