List of Tables

TABLE 1.1: STAGNATING RICE PRODUCTION IN INDIA ................................................................. 4
TABLE 2.1: UTILISABLE GROUND WATER RESOURCES IN DISTRICTS OF PUNJAB AND HARYANA (MCM) ................................................................. 20
TABLE 2.2: NAME OF BLOCKS AND VILLAGES SELECTED FOR PRIMARY SURVEY ........................................................................ 22
TABLE 2.3: VARIABLE AND FIXED COSTS METHODOLOGY .................................................. 28
TABLE 2.4: COST STRUCTURE .................................................................................................. 32
TABLE 3.1: DUTY FREE EXPORTS ON TRADITIONAL VARIETIES OF BASMATI RICE FROM JANUARY 1ST 2004 ......................................................... 51
TABLE 3.2: DUTY FREE EXPORTS ON TRADITIONAL AND MODERN VARIETIES OF BASMATI RICE FROM SEPTEMBER 2004 ........................................ 52
TABLE 3.3: VILLAGE LOCAL TAXES AND CHARGES (%) ................................................................ 55
TABLE 4.1: DISTRIBUTION OF SAMPLE FARMING HOUSEHOLDS ACROSS FARM SIZE CATEGORIES ................................................................................. 63
TABLE 4.2: CASTE STRUCTURE OF FARMING HOUSEHOLDS .................................................. 64
TABLE 4.3: EDUCATIONAL STATUS OF FARMING HOUSEHOLD SCIIIES .......................................................................................... 65
TABLE 4.4: DEMOGRAPHIC CHARACTERISTICS OF FARMING HOUSEHOLDS ACROSS FARM SIZE CATEGORIES ........................................................................ 66
TABLE 4.5: LAND DETAILS OF FARMING HOUSEHOLDS .......................................................... 68
TABLE 4.6: CROPPING PATTERN AS PERCENTAGE OF GCA (%) ............................................. 70
TABLE 4.7: OWNERSHIP OF FARM ASSETS AMONG FARMING HOUSEHOLDS ...................... 71
TABLE 4.8: OWNERSHIP OF TUBEWELL HORSE POWERS AMONGST SAMPLE FARMERS ........................................................................................................ 72
TABLE 4.9: FARM BUSINESS INCOME (RS/AC) ........................................................................ 73
TABLE 4.10: AVERAGE CROP YIELDS .......................................................................................... 73
TABLE 4.11: SHARE OF CROP INCOMES IN FBY (%) .............................................................. 74
TABLE 4.12: AVERAGE NET HOUSEHOLD INCOME (RS.) ........................................................ 74
TABLE 4.13: PER CAPITA INCOMES (RS.) .................................................................................. 75
TABLE 4.14: FARMERS REPORTING NON-CROP SOURCES OF INCOME (Nos.) ................. 76
TABLE 4.15: AVERAGE INCOMES (RS/HOUSEHOLD) .............................................................. 77
TABLE 4.16: CONCENTRATION OF FARM BUSINESS INCOME (FBY), NET HOUSEHOLD INCOME (NYI), TOTAL OUTPUT (TO) AND NET CULTIVATED AREA (NCA) AMONG SAMPLE FARMING HOUSEHOLDS IN PUNJAB AND HARYANA ................................................................. 79
TABLE 5.1: BASMATI VARIETIES IN FIELD ................................................................................. 85
TABLE 5.2: FARMING HOUSEHOLDS CULTIVATING RICE AS A PERCENTAGE OF TOTAL FARMING HOUSEHOLDS IN EACH CATEGORY .......................................................................................... 86
TABLE 5.3: FARMERS CULTIVATING EACH BASMATI VARIETY AS A PERCENTAGE OF TOTAL BASMATI FARMERS BY FARM SIZE CATEGORY (%) ................................................................ 87
TABLE 5.4: FARMING HOUSEHOLDS CULTIVATING BASMATI IN THE SAME DISTRICTS OF PUNJAB AND HARYANA ................................................................. 88
TABLE 5.5: AREA ALLOCATED TO BASMATI AND NON-BASMATI IN THE KHARIF SEASON ACCORDING TO FARM SIZE CATEGORIES (%) ........................................ 90
TABLE 5.6: LABOUR INVOLVED IN PADDY CULTIVATION (MANDAYS/AC) ......................... 92
TABLE 5.7: PERCENTAGE SHARE OF ATTACHED LABOUR USED IN PUNJAB AGRICULTURE .......................................................................................... 93
TABLE 5.8: AREA UNDER EACH BASMATI VARIETY AS A PERCENTAGE OF TOTAL BASMATI AREA BY FARM SIZE CATEGORY (%) ...................................................................................... 93
TABLE 5.9: AVERAGE AREA UNDER EACH BASMATI AND NON-BASMATI PER FARMING HOUSEHOLD .......................................................................................... 95
TABLE 5.10: BASMATI PADDY FARM HARVEST PRICES ACROSS FARM SIZE CATEGORIES (RS/QT) .................................................................................. 95
TABLE 5.11: TOTAL BASMATI PADDY YIELDS BY FARM SIZE CATEGORIES (QT/L/AC) ........ 98
TABLE 5.12: BASMATI PADDY GROSS OUTPUT ACROSS FARM SIZE CATEGORIES (RS/AC) .................................................................................. 99
TABLE 6.1: THE ESTIMATED COBB-DOUGLAS PRODUCTION FUNCTION FOR THE SELECTED HOUSEHOLDS .......................................................................................... 108
TABLE 6.2: THE ESTIMATED SIMPLE PRODUCTIVITY FUNCTION FOR THE SELECTED HOUSEHOLDS TAKING BIOCHEMICAL INPUTS .................................................................................. 110
TABLE 6.3: INPUT COST STRUCTURE (RS/AC) .......................................................................... 114
TABLE 6.4: SHARE OF PER ACRE INPUT COST TO TOTAL COST C2 PER ACRE % ............... 115
TABLE 6.5: BASMATI PADDY VARIETY COST STRUCTURE (RS/AC) ....................................... 117
TABLE 6.6: BASMATI SEED SOURCE AMONGST SAMPLE FARMERS ........................................ 118
TABLE 6.7: FARMERS APPLYING GROWTH REGULATORS FOR BASMATI AND NON-BASMATI IN PUNJAB ................................................................. 119