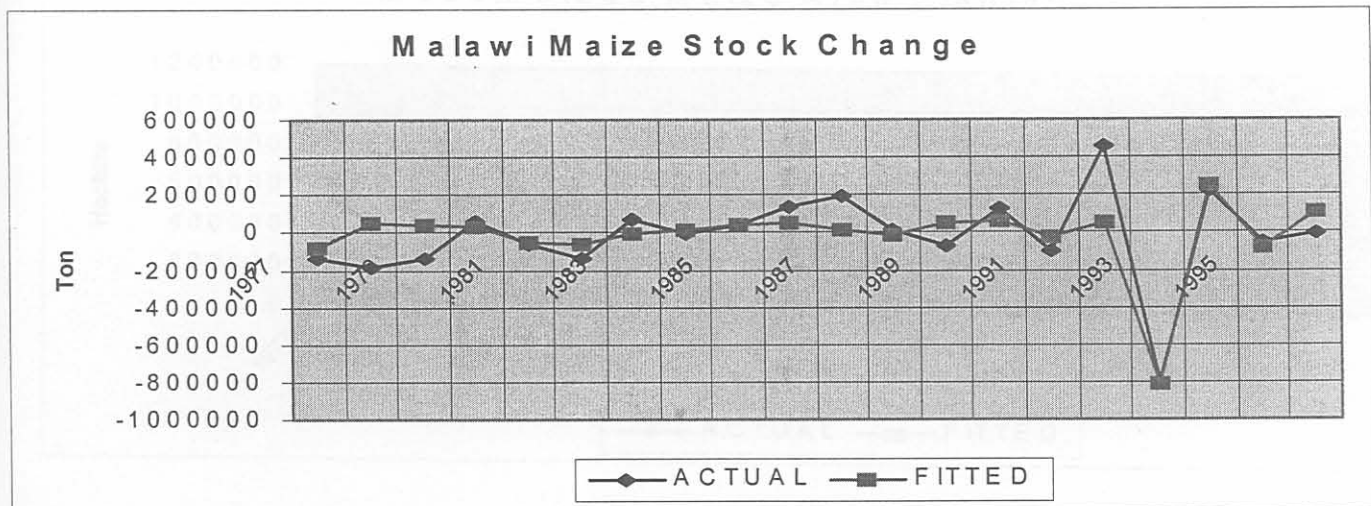
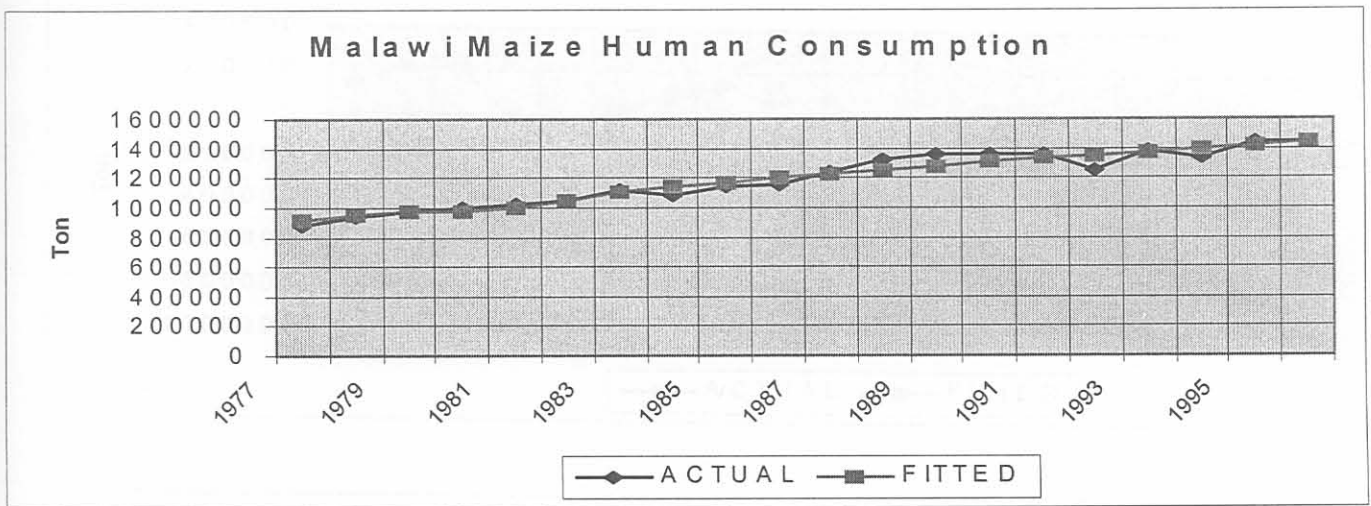
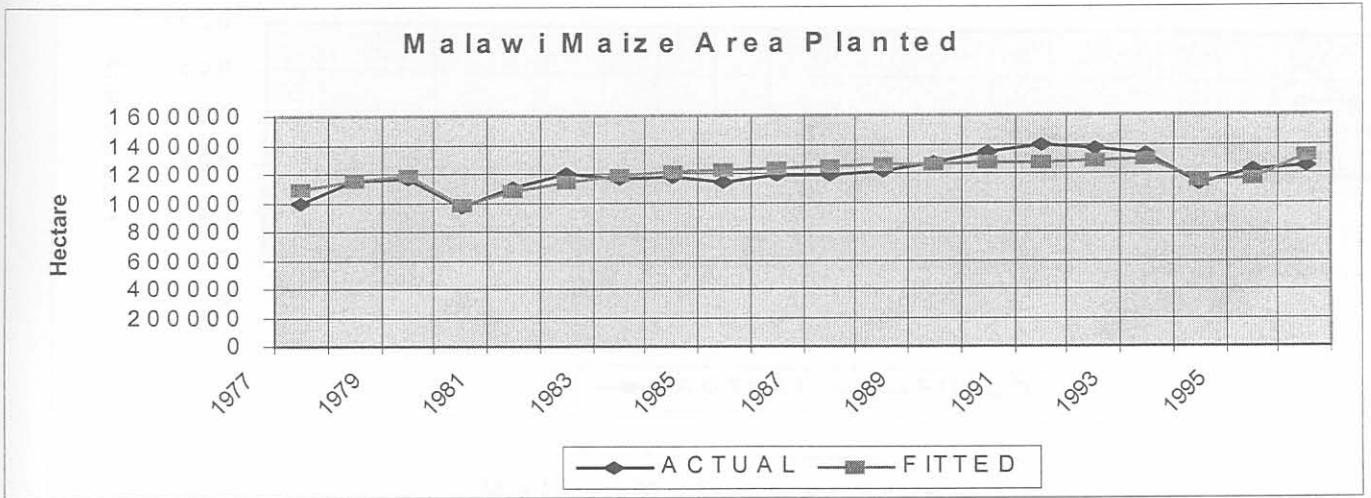
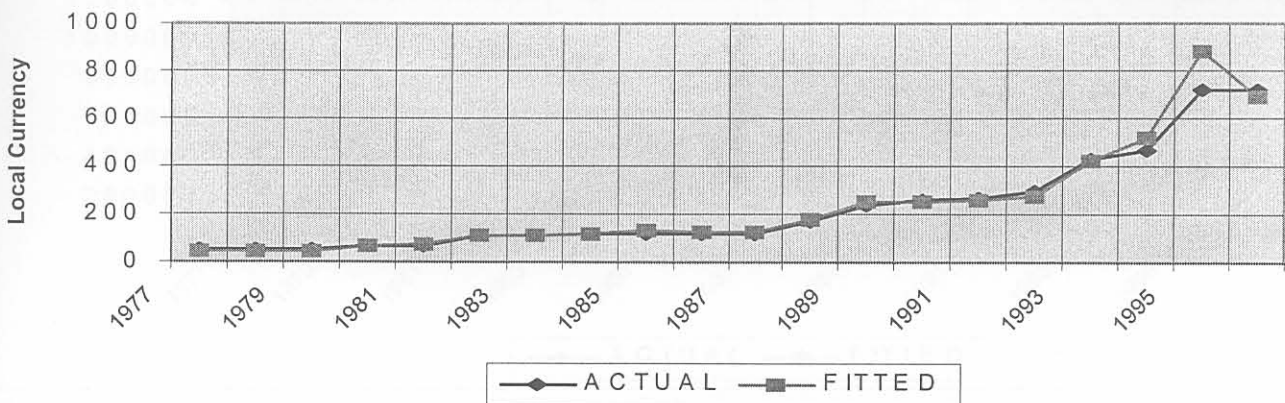


## APPENDIX A

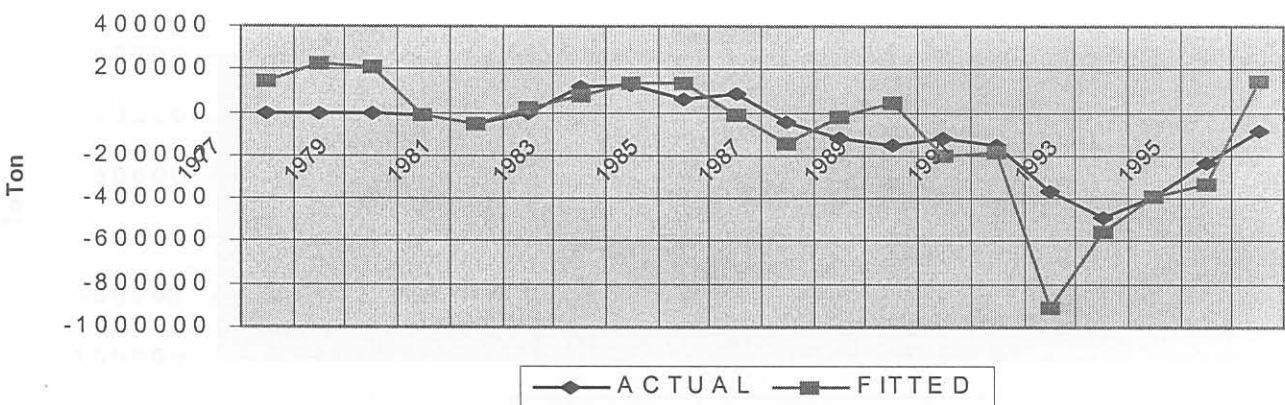
### SIMULATION RESULTS



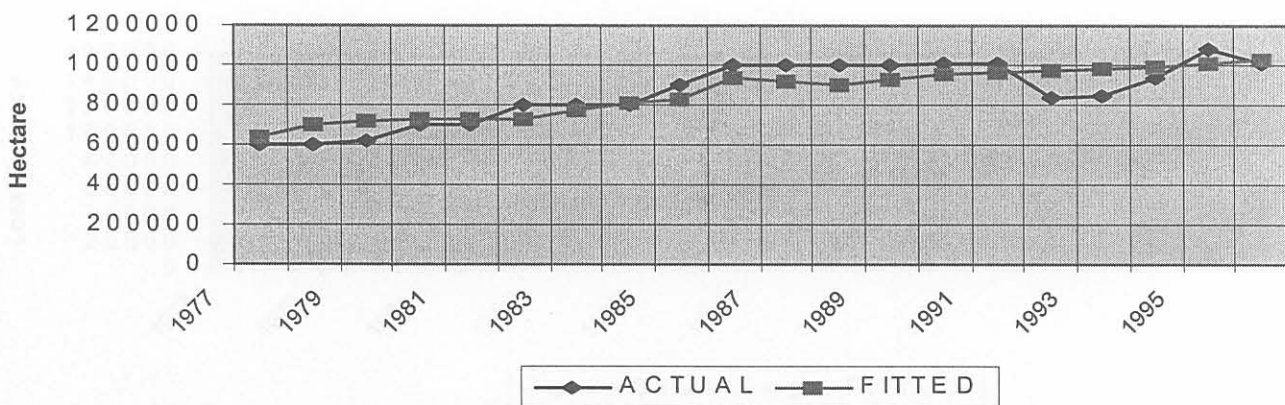
**Malawi Maize Price**



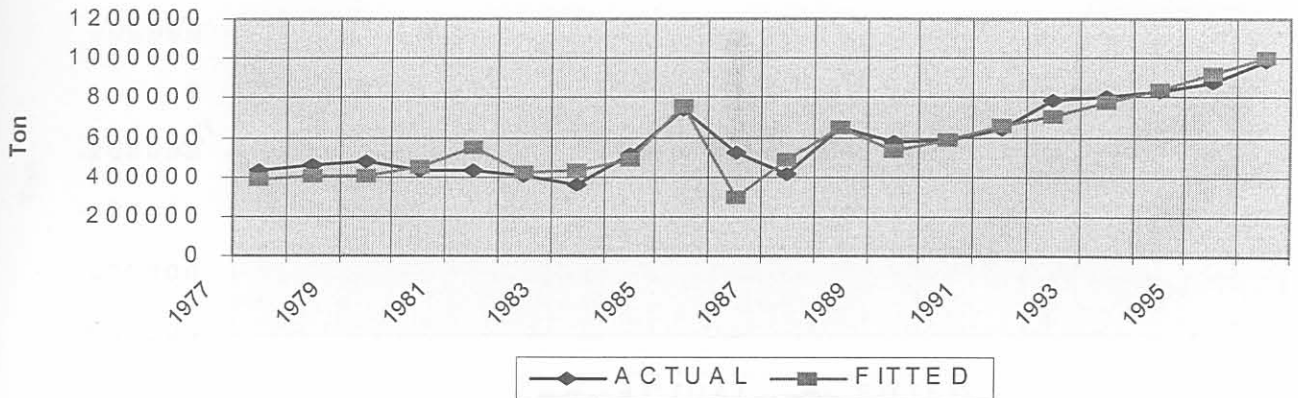
**Malawi Maize Net Trade**



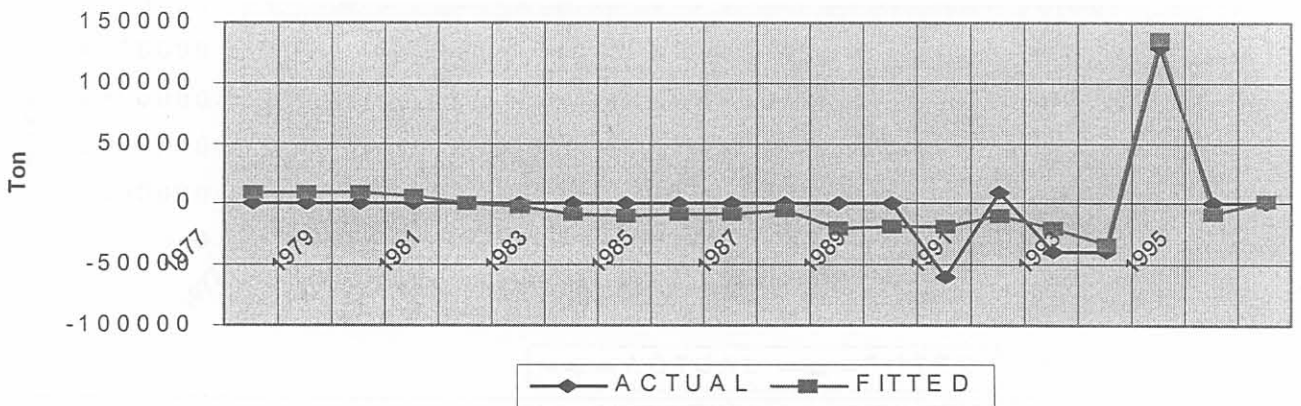
**Mozambique Maize Area Planted**



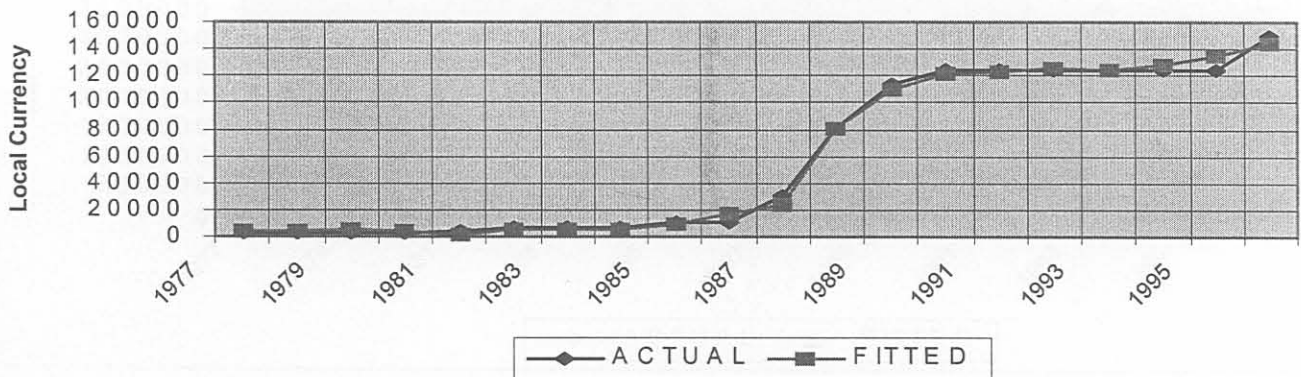
Mozambique Maize Human Consumption



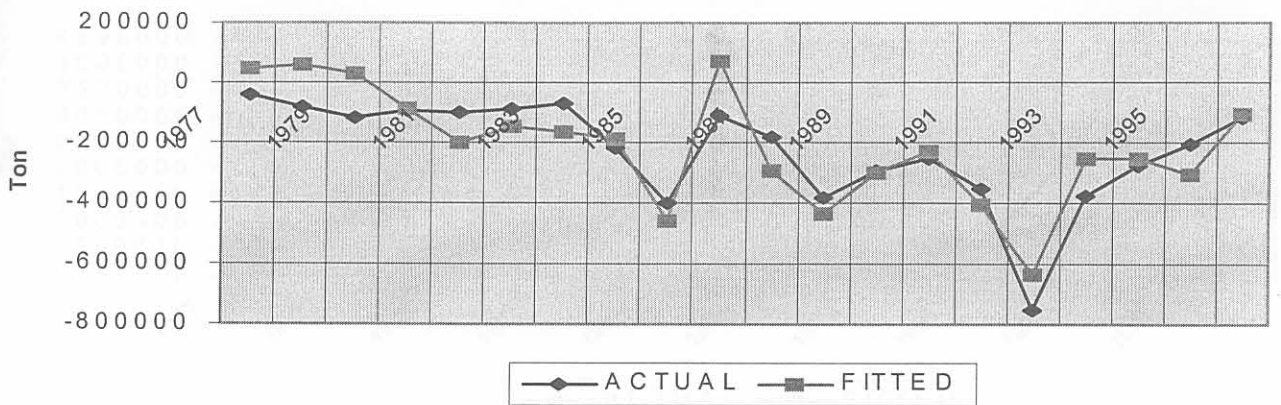
Mozambique Maize Stock Change



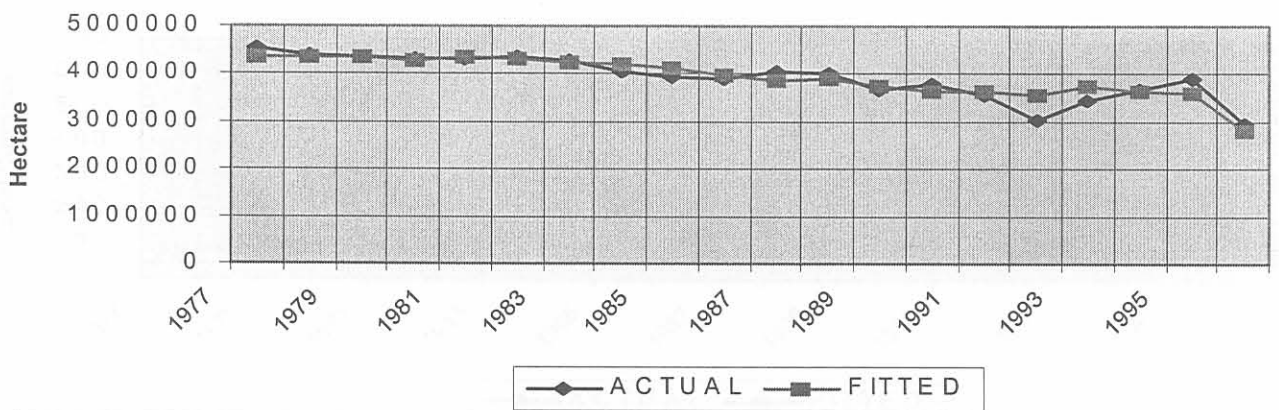
Mozambique Maize Price



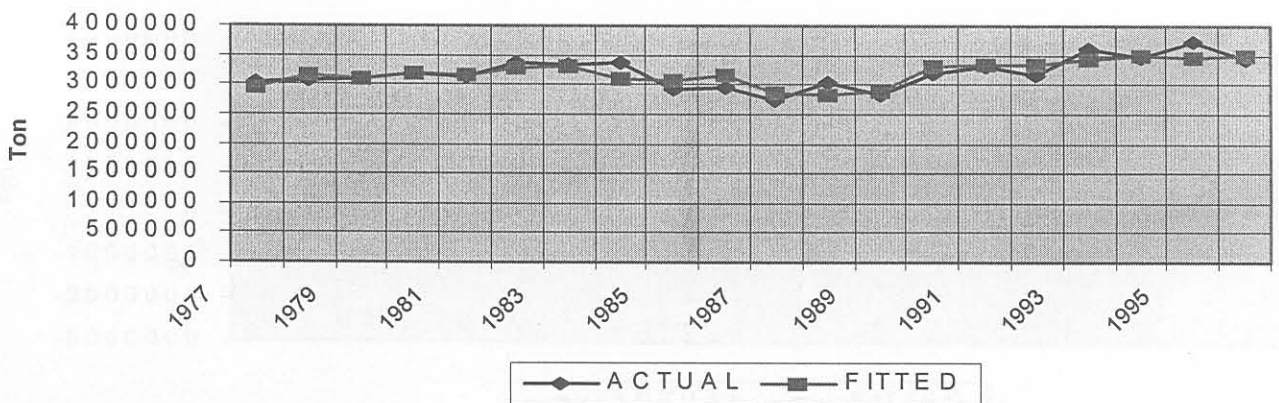
**Mozambique Maize Net Trade**



**South Africa Maize Area Planted**

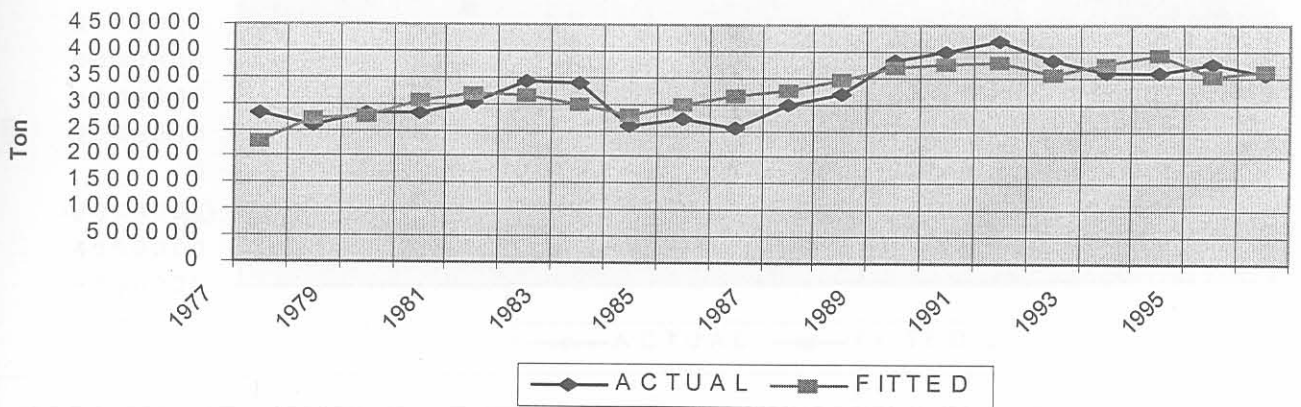


**South Africa Maize Human Consumption**

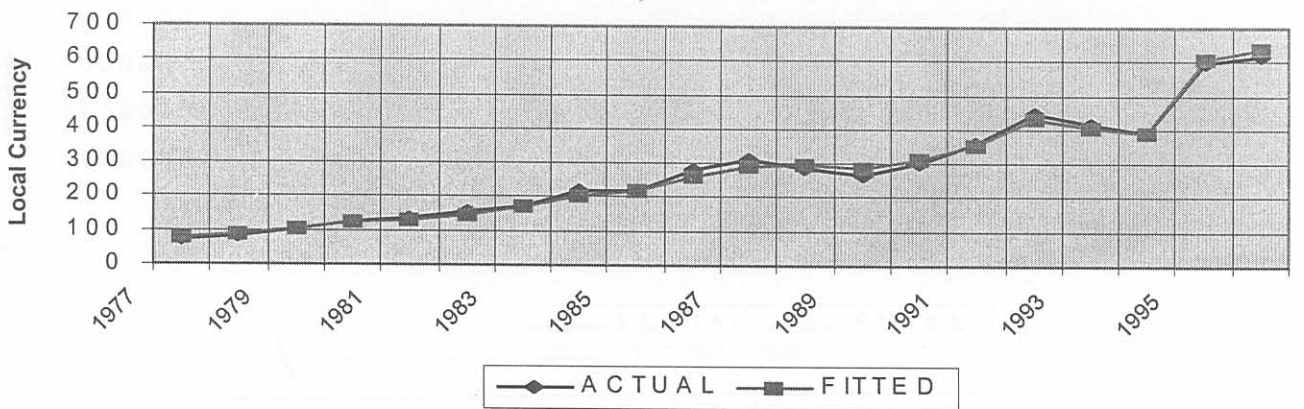




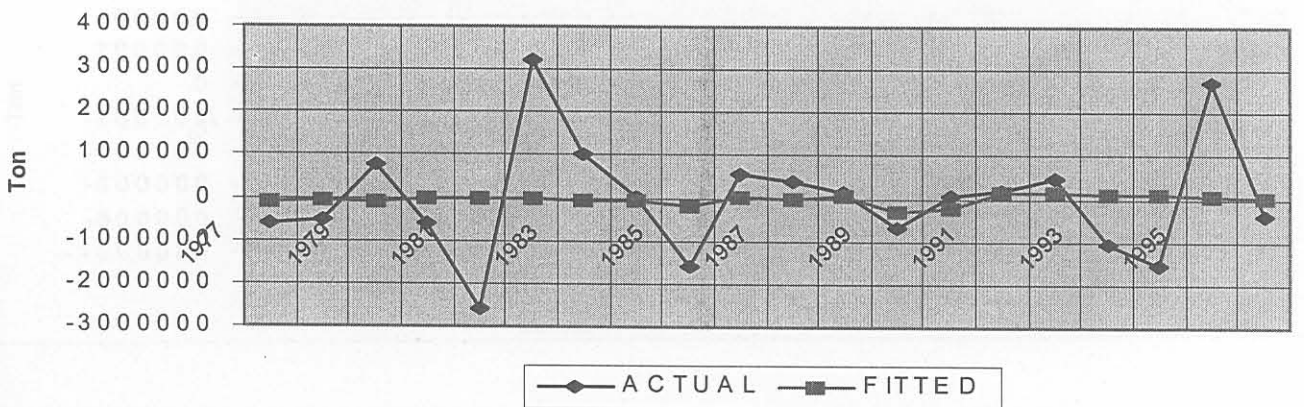
### South Africa Maize Animal Feed



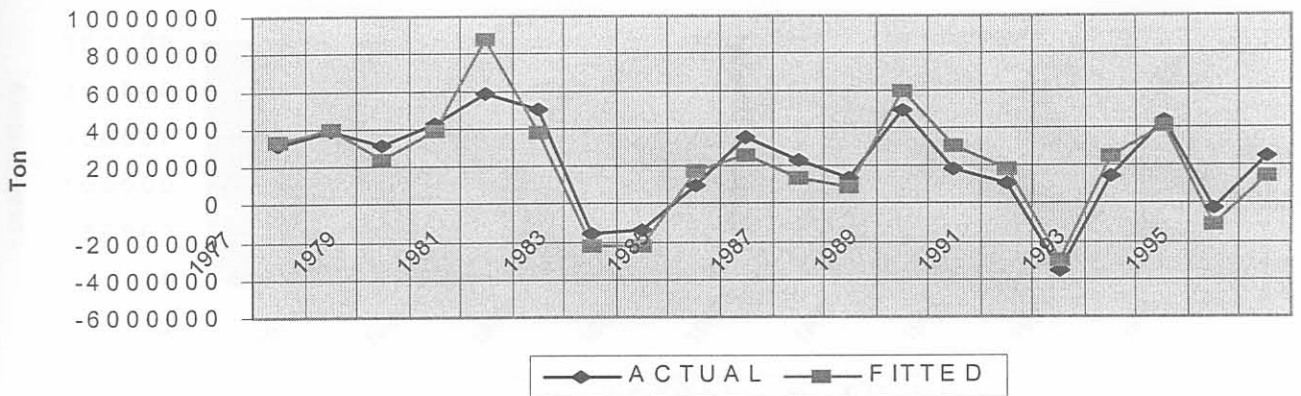
### South Africa Maize Price



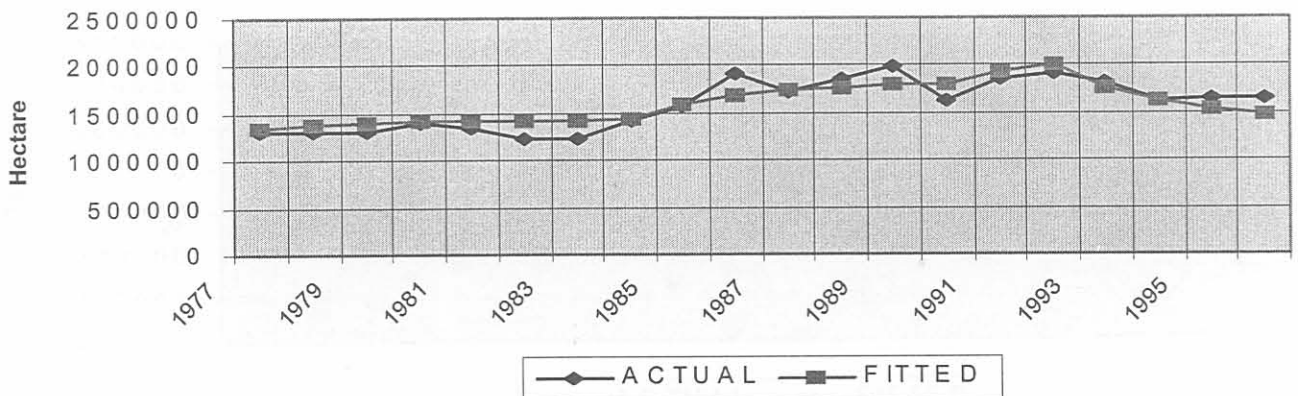
### South Africa Maize Stock Change



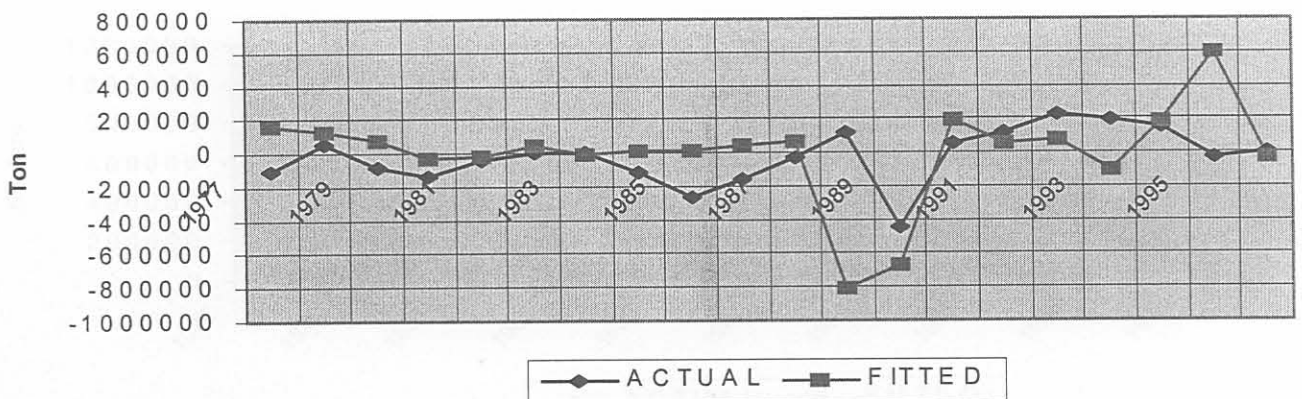
South Africa Maize Net Trade



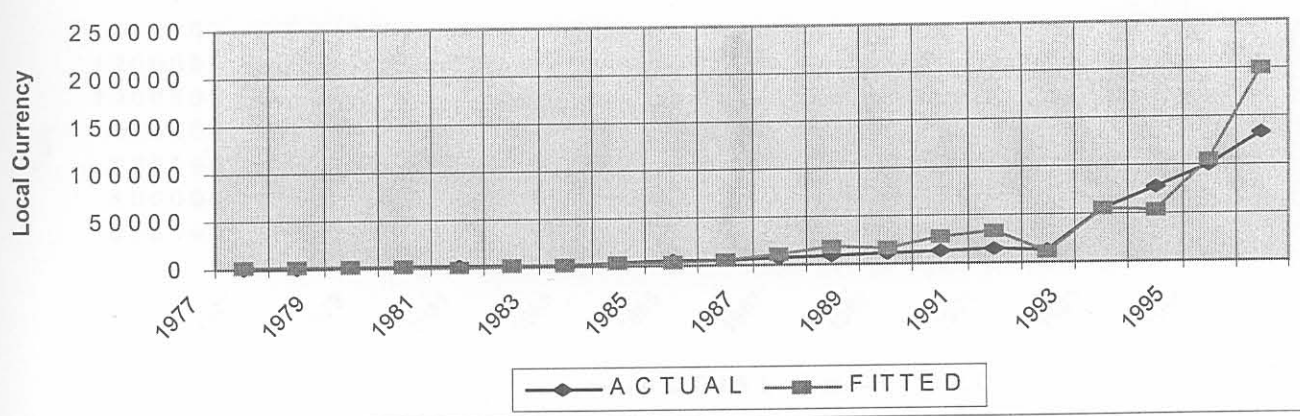
Tanzania Maize Area Planted



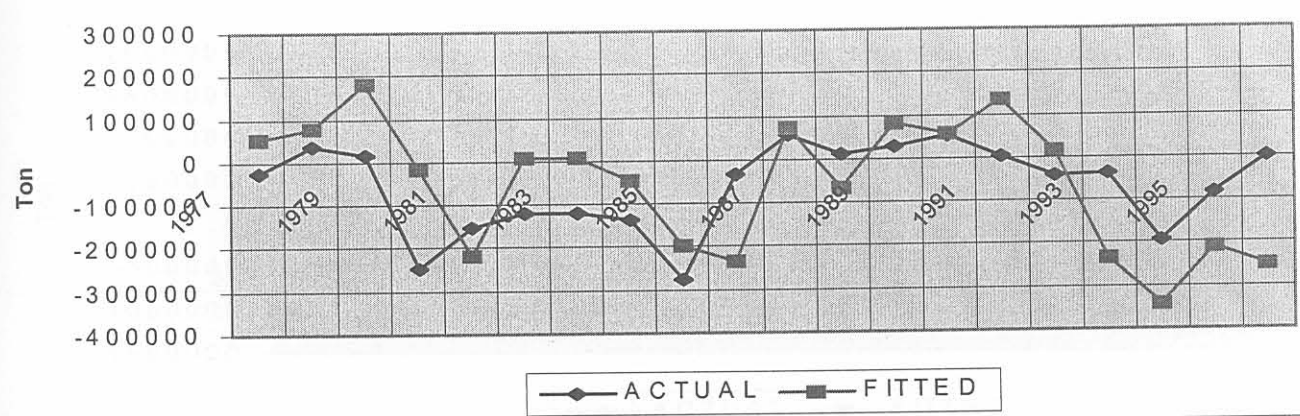
Tanzania Maize Stock Change



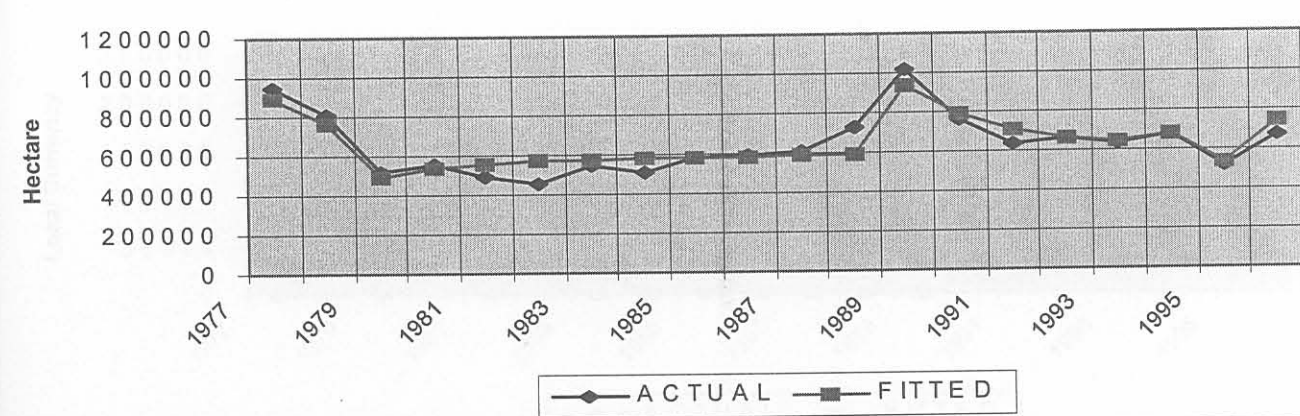
Zambia Tanzania Maize Price



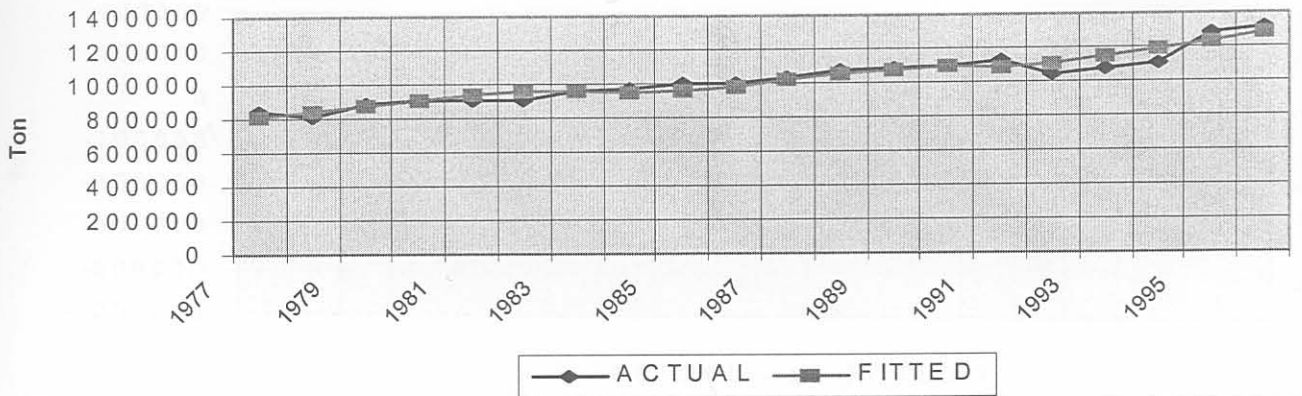
Tanzania Maize Net Trade



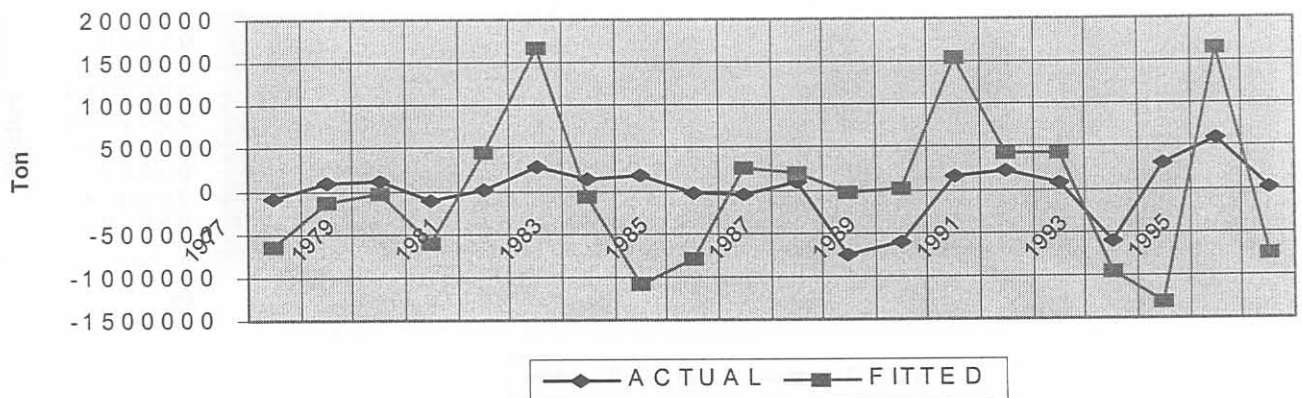
Zambia Maize Area Planted



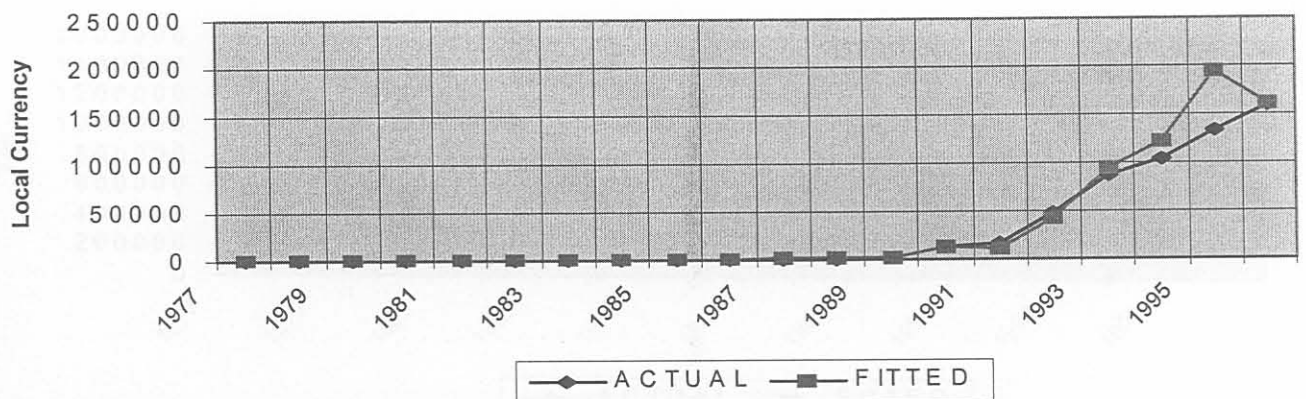
### Zambia Maize Human Consumption



### Zambia Maize Stock Change

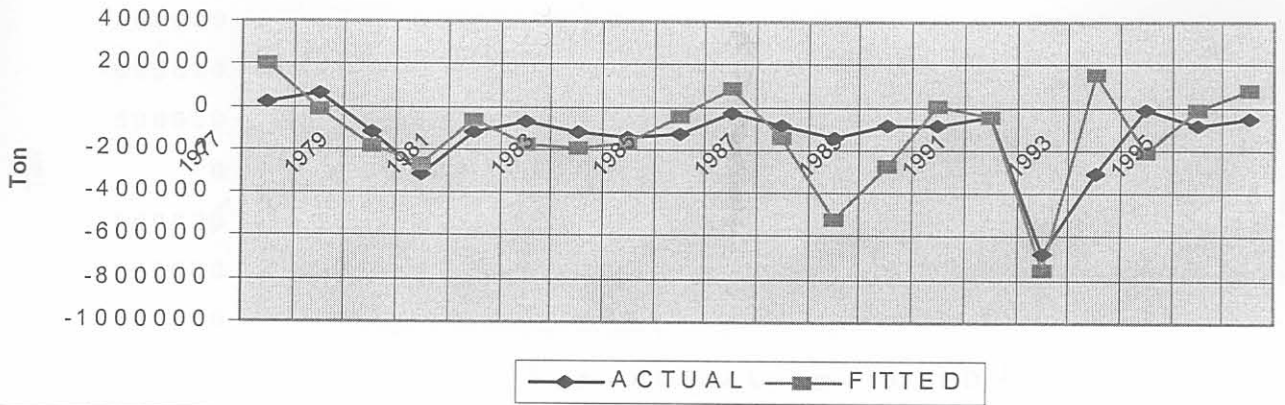


### Zambia Maize Price

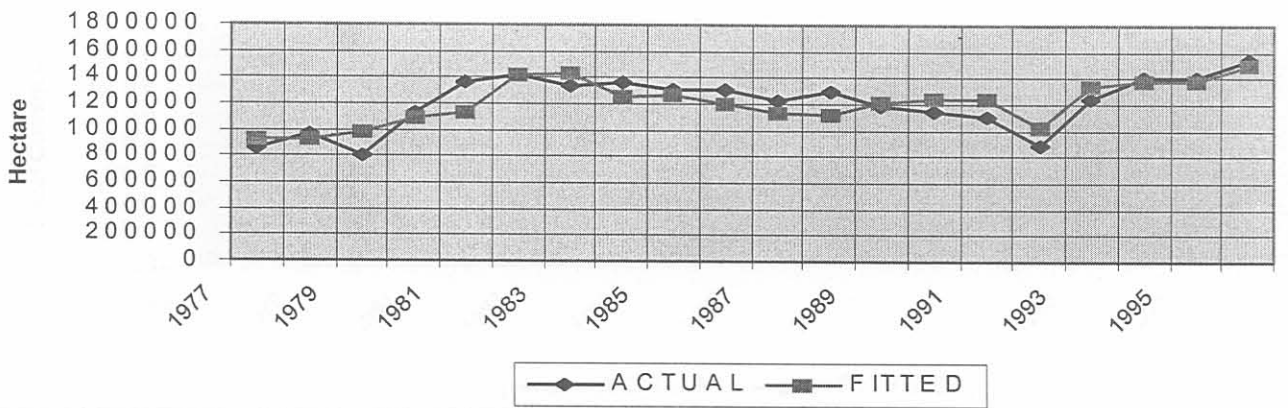




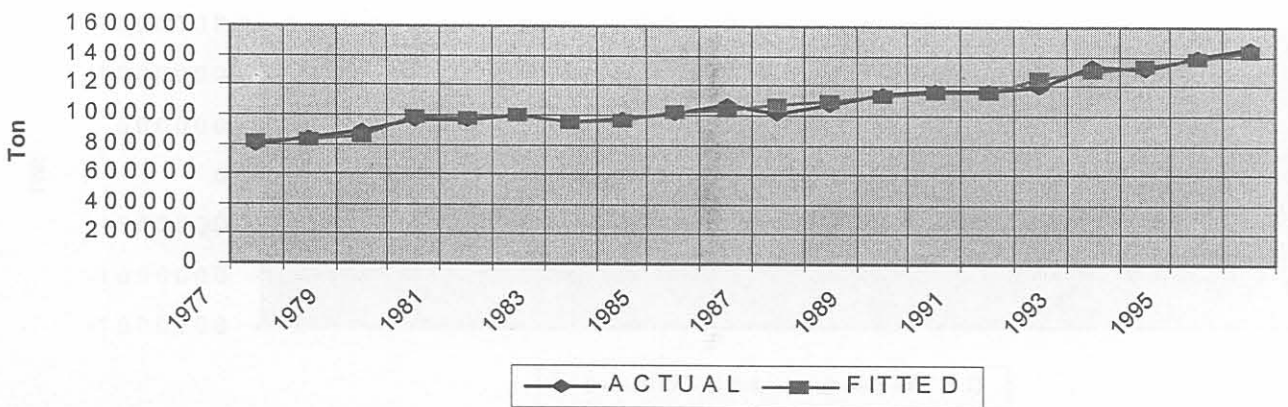
Zambia Maize Net Trade



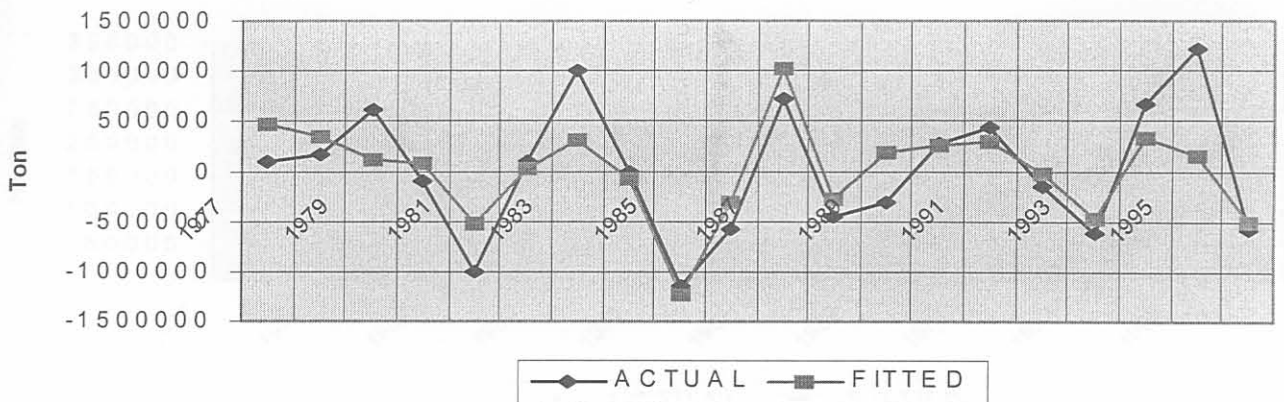
Zimbabwe Maize Area Planted



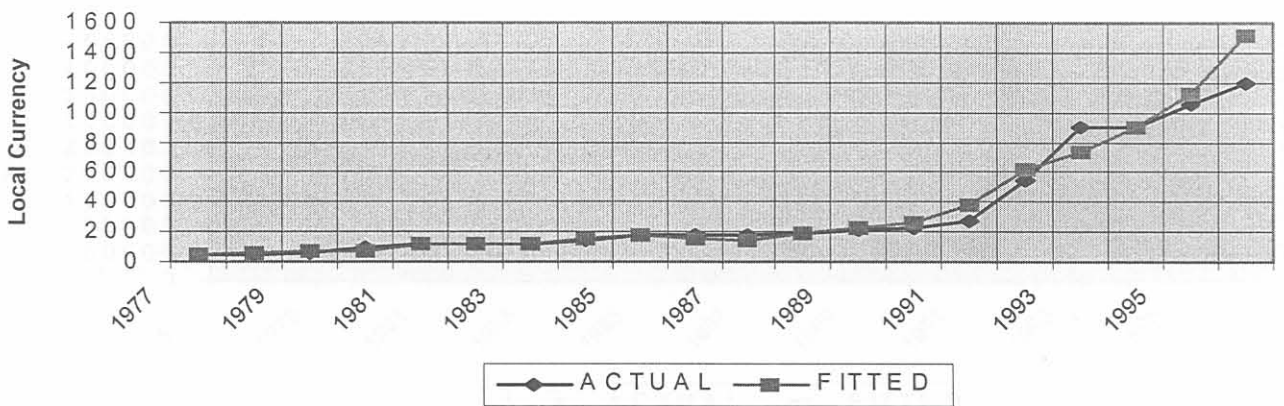
Zimbabwe Maize Human Consumption



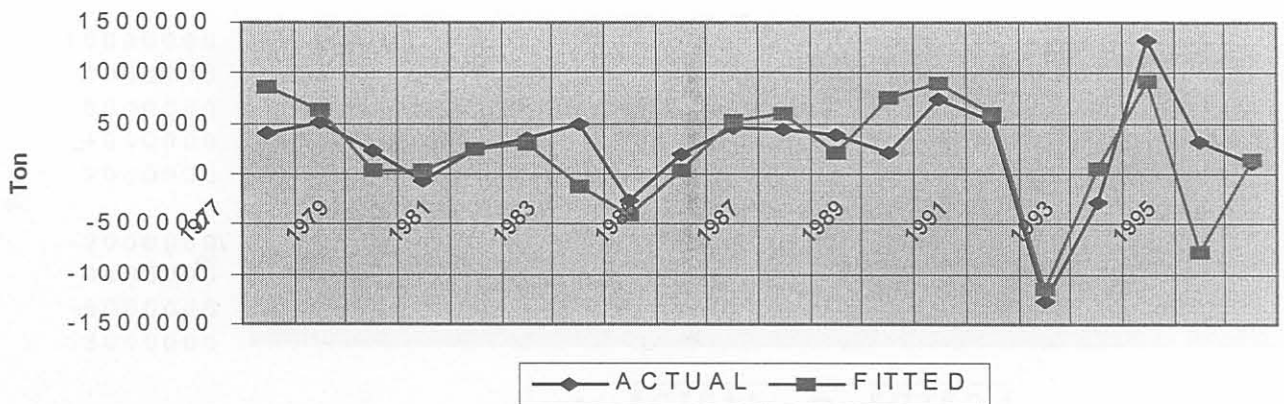
### Zimbabwe Maize Stock Change



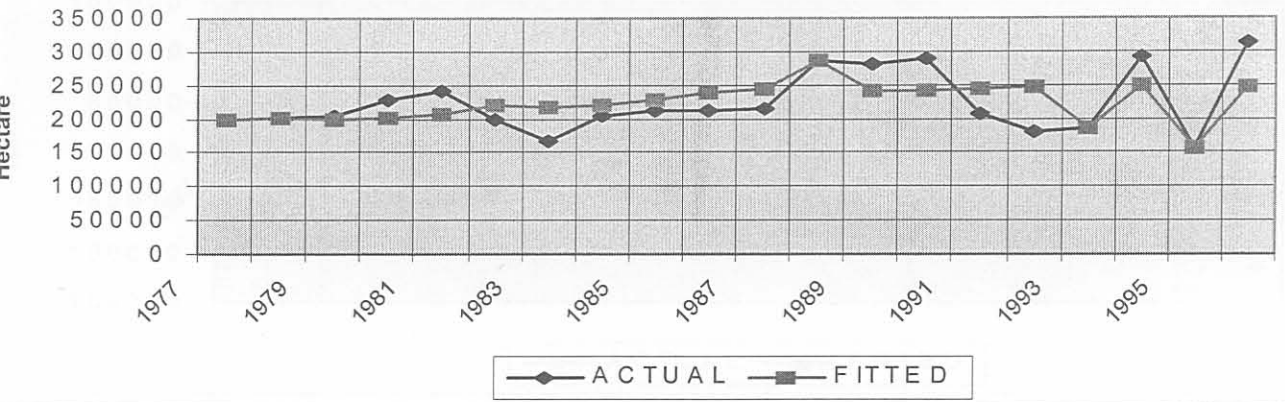
### Zimbabwe Maize Price



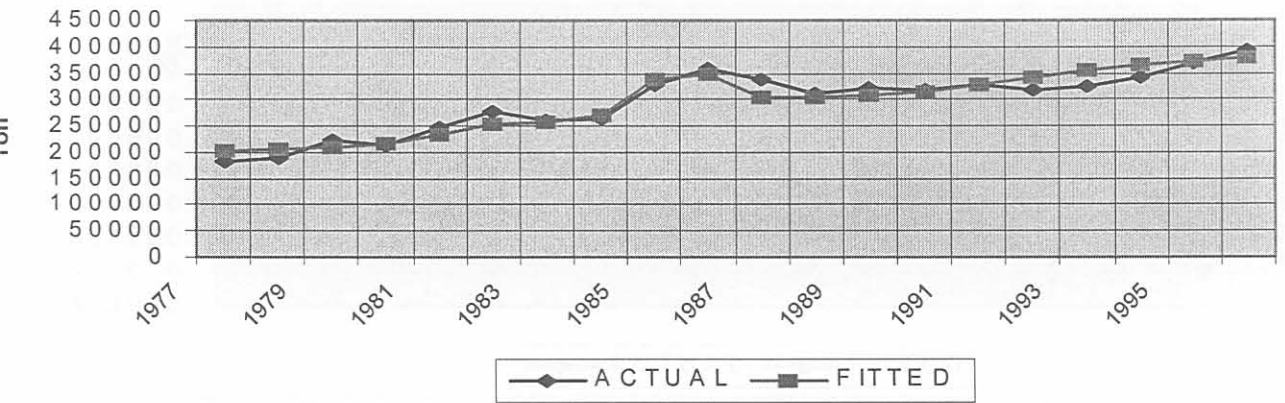
### Zimbabwe Maize Net Trade



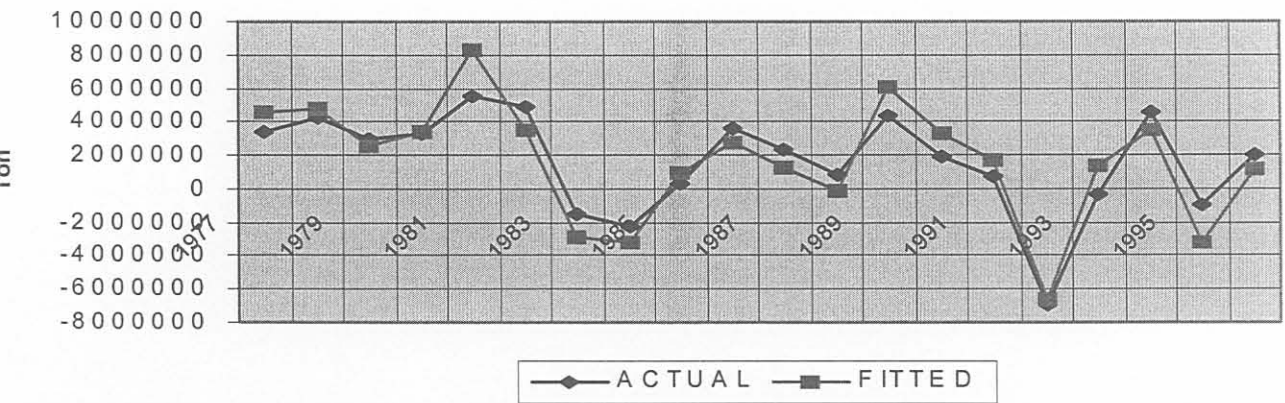
### Rest of SADC Maize Area Planted



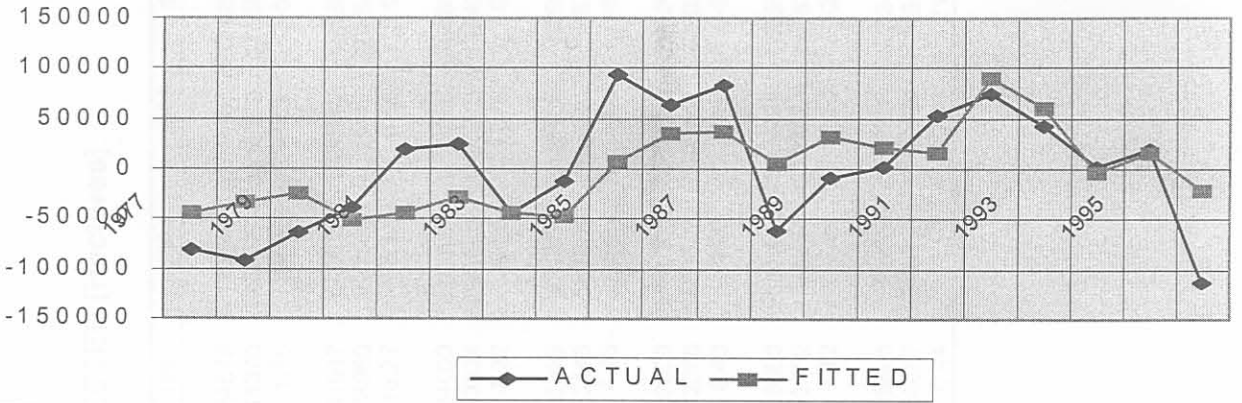
### Rest of SADC Maize Human Consumption



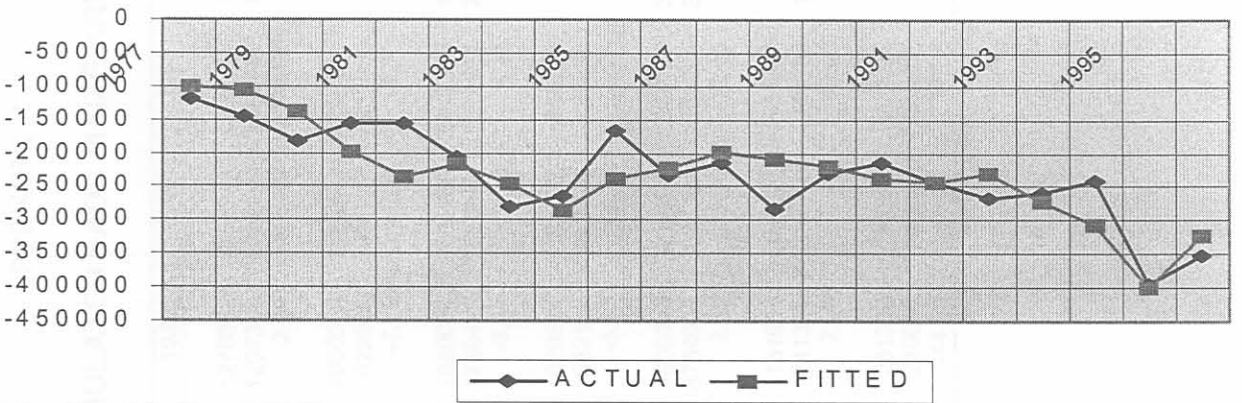
### Rest of World



### Rest of SADC Maize Stock Change



### Rest of SADC Maize Net Trade





APPENDIX B

Table B1: ACTUAL AND SIMULATED SADC MAIZE AREA HARVESTED (Hectares).

| Year                | 1986    | 1987    | 1988    | 1989    | 1990    | 1991    | 1992    | 1993    | 1994    | 1995    | 1996    |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Malawi</b>       |         |         |         |         |         |         |         |         |         |         |         |
| Actual              | 1193275 | 1182415 | 1215087 | 1270822 | 1343784 | 1391878 | 1368093 | 1334672 | 1129316 | 1229187 | 1242588 |
| Fitted              | 1206290 | 1227598 | 1278473 | 1297380 | 1270148 | 1266942 | 1289050 | 1311370 | 1237777 | 1215799 | 1175889 |
| Percentage change   | 1.09    | 3.82    | 5.22    | 2.09    | -5.48   | -8.98   | -5.78   | -1.75   | 9.60    | -1.09   | -5.37   |
| <b>Mozambique</b>   |         |         |         |         |         |         |         |         |         |         |         |
| Actual              | 1000000 | 1000000 | 1000000 | 1000000 | 1010902 | 1009211 | 832132  | 841947  | 940013  | 1080437 | 1008000 |
| Fitted              | 932947  | 912959  | 899826  | 922930  | 951247  | 963809  | 969735  | 978960  | 991182  | 1006412 | 1025446 |
| Percentage change   | -6.71   | -8.70   | -10.02  | -7.71   | -5.90   | -4.50   | 16.54   | 16.27   | 5.44    | -6.85   | 1.73    |
| <b>Tanzania</b>     |         |         |         |         |         |         |         |         |         |         |         |
| Actual              | 1905000 | 1724000 | 1850000 | 1980000 | 1631260 | 1848300 | 1908163 | 1824000 | 1628900 | 1653600 | 1646000 |
| Fitted              | 1682277 | 1733149 | 1767561 | 1790479 | 1789946 | 1924941 | 2012840 | 1763534 | 1624848 | 1530273 | 1484295 |
| Percentage change   | -11.69  | 0.53    | -4.46   | -9.57   | 9.73    | 4.15    | 5.49    | -3.32   | -0.25   | -7.46   | -9.82   |
| <b>Zambia</b>       |         |         |         |         |         |         |         |         |         |         |         |
| Actual              | 588490  | 609529  | 723087  | 1020574 | 763277  | 639390  | 661606  | 633326  | 679355  | 520165  | 675565  |
| Fitted              | 624162  | 620398  | 619200  | 962116  | 822446  | 720938  | 687109  | 663446  | 642234  | 495940  | 548304  |
| Percentage change   | 6.06    | 1.78    | -14.37  | -5.73   | 7.75    | 12.75   | 3.85    | 4.76    | -5.46   | -4.66   | -18.84  |
| <b>South Africa</b> |         |         |         |         |         |         |         |         |         |         |         |
| Actual              | 3887000 | 4044000 | 4014000 | 3656000 | 3778000 | 3548000 | 3026000 | 3452000 | 3663000 | 3904000 | 2952000 |
| Fitted              | 3969069 | 3856797 | 3910625 | 3754091 | 3636324 | 3634261 | 3548948 | 3743086 | 3618412 | 3595441 | 2790361 |
| Percentage change   | 2.11    | -4.63   | -2.58   | 2.68    | -3.75   | 2.43    | 17.28   | 8.43    | -1.22   | -7.90   | -5.48   |
| <b>Zimbabwe</b>     |         |         |         |         |         |         |         |         |         |         |         |
| Actual              | 1314000 | 1232842 | 1295901 | 1181905 | 1145870 | 1101200 | 881000  | 1238000 | 1401200 | 1408700 | 1535000 |
| Fitted              | 1204378 | 1134111 | 1113852 | 1211368 | 1234990 | 1243184 | 1021706 | 1333552 | 1372554 | 1373337 | 1498304 |
| Percentage change   | -8.34   | -8.01   | -14.05  | 2.49    | 7.78    | 12.89   | 15.97   | 7.72    | -2.04   | -2.51   | -2.39   |
| <b>Rest of SADC</b> |         |         |         |         |         |         |         |         |         |         |         |
| Actual              | 212624  | 213910  | 286381  | 281370  | 288908  | 207631  | 179034  | 185865  | 292679  | 156756  | 312465  |
| Fitted              | 238380  | 243278  | 286736  | 240050  | 241990  | 244282  | 247011  | 186687  | 248810  | 156225  | 245590  |
| Percentage change   | 12.11   | 13.73   | 0.12    | -14.69  | -16.24  | 17.65   | 37.97   | 0.44    | -14.99  | -0.34   | -21.40  |

**Table B2: ACTUAL AND SIMULATED SADC MAIZE DOMESTIC CONSUMPTION (Tons).**

| Year                         | 1986    | 1987    | 1988    | 1989    | 1990    | 1991    | 1992    | 1993    | 1994    | 1995    | 1996    |
|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Malawi (Food)</b>         |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 1154300 | 1233624 | 1328900 | 1363712 | 1363638 | 1358528 | 1247002 | 1377958 | 1338466 | 1444263 | 1445272 |
| Fitted                       | 1200182 | 1230516 | 1251355 | 1272514 | 1307113 | 1338682 | 1352420 | 1373791 | 1394672 | 1419846 | 1449223 |
| Percentage change            | 3.97    | -0.25   | -5.84   | -6.69   | -4.15   | -1.46   | 8.45    | -0.30   | 4.20    | -1.69   | 0.27    |
| <b>Mozambique (Food)</b>     |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 521212  | 411300  | 647565  | 575432  | 587581  | 636092  | 781106  | 804829  | 826823  | 871890  | 985828  |
| Fitted                       | 301861  | 491411  | 647892  | 534174  | 584070  | 654846  | 708014  | 771971  | 840890  | 916249  | 998845  |
| Percentage change            | -42.08  | 19.48   | 0.05    | -7.17   | -0.60   | 2.95    | -9.36   | -4.08   | 1.70    | 5.09    | 1.32    |
| <b>Tanzania (Food)</b>       |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 1677834 | 1841250 | 2009420 | 2156178 | 2008238 | 2029070 | 2077172 | 2093316 | 2088900 | 2207700 | 2244612 |
| Fitted                       | 1815765 | 1871889 | 1932006 | 1940888 | 1982374 | 2027992 | 2095700 | 2127218 | 2180934 | 2224795 | 2265239 |
| Percentage change            | 8.22    | 1.66    | -3.85   | -9.98   | -1.29   | -0.05   | 0.89    | 1.62    | 4.41    | 0.77    | 0.92    |
| <b>Zambia (Food)</b>         |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 1005201 | 1032776 | 1074447 | 1086857 | 1093843 | 1124194 | 1040181 | 1069894 | 1109080 | 1287433 | 1316565 |
| Fitted                       | 983240  | 1020493 | 1051488 | 1070946 | 1091782 | 1079071 | 1108860 | 1145143 | 1185843 | 1233107 | 1279128 |
| Percentage change            | -2.18   | -1.19   | -2.14   | -1.46   | -0.19   | -4.01   | 6.60    | 7.03    | 6.92    | -4.22   | -2.84   |
| <b>South Africa (Human)</b>  |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 2941000 | 2722000 | 3044000 | 2819000 | 3190000 | 3302000 | 3163000 | 3612000 | 3449000 | 3742000 | 3416000 |
| Fitted                       | 3153295 | 2858379 | 2835318 | 2892839 | 3311716 | 3337975 | 3352951 | 3429111 | 3477294 | 3461668 | 3496840 |
| Percentage change            | 7.22    | 5.01    | -6.86   | 2.62    | 3.82    | 1.09    | 6.01    | -5.06   | 0.82    | -7.49   | 2.37    |
| <b>South Africa (Animal)</b> |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 2556000 | 2992000 | 3203000 | 3836000 | 4001000 | 4204000 | 3841000 | 3604000 | 3601000 | 3775000 | 3570000 |
| Fitted                       | 3151988 | 3271965 | 3460312 | 3702313 | 3775789 | 3794092 | 3575495 | 3762643 | 3940820 | 3529423 | 3613321 |
| Percentage change            | 23.32   | 9.36    | 8.03    | -3.49   | -5.63   | -9.75   | -6.91   | 4.40    | 9.44    | -6.51   | 1.21    |
| <b>Zimbabwe (Food)</b>       |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 1070710 | 1016495 | 1075974 | 1143902 | 1161215 | 1168771 | 1193878 | 1332306 | 1308866 | 1395500 | 1458582 |
| Fitted                       | 1040176 | 1072734 | 1098482 | 1125195 | 1153815 | 1157815 | 1249703 | 1293426 | 1338163 | 1380707 | 1426279 |
| Percentage change            | -2.85   | 5.53    | 2.09    | -1.64   | -0.64   | -0.94   | 4.68    | -2.92   | 2.24    | -1.06   | -2.21   |
| <b>Rest of SADC (Food)</b>   |         |         |         |         |         |         |         |         |         |         |         |
| Actual                       | 357936  | 337868  | 312556  | 320629  | 317374  | 329602  | 317597  | 323175  | 340946  | 369495  | 392858  |
| Fitted                       | 349564  | 303841  | 305289  | 309570  | 316342  | 327525  | 342448  | 356635  | 364366  | 371755  | 378442  |
| Percentage change            | -2.34   | -10.07  | -2.33   | -3.45   | -0.33   | -0.63   | 7.82    | 10.35   | 6.87    | 0.61    | -3.67   |

**Table B3: ACTUAL AND SIMULATED SADC MAIZE PRICES (Lc).**

| Year                | 1986   | 1987   | 1988  | 1989   | 1990   | 1991   | 1992   | 1993   | 1994   | 1995   | 1996   |
|---------------------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Malawi</b>       |        |        |       |        |        |        |        |        |        |        |        |
| Actual              | 122    | 122    | 174   | 240    | 260    | 270    | 297    | 430    | 470    | 720    | 721.16 |
| Fitted              | 129    | 123    | 174   | 250    | 254    | 262    | 274    | 423    | 519    | 884    | 690    |
| Percentage change   | 5.44   | -1.10  | 0.22  | 4.37   | -2.18  | -2.87  | -7.67  | -1.57  | 10.49  | 22.84  | -4.28  |
| <b>Mozambique</b>   |        |        |       |        |        |        |        |        |        |        |        |
| Actual              | 10000  | 30000  | 81000 | 113400 | 124700 | 124700 | 124700 | 124700 | 124700 | 124700 | 149757 |
| Fitted              | 16858  | 23809  | 80270 | 109081 | 121339 | 123595 | 126009 | 124615 | 128443 | 134403 | 144212 |
| Percentage change   | 68.58  | -20.64 | -0.90 | -3.81  | -2.69  | -0.89  | 1.05   | -0.07  | 3.00   | 7.78   | -3.70  |
| <b>Tanzania</b>     |        |        |       |        |        |        |        |        |        |        |        |
| Actual              | 6300   | 8200   | 9000  | 11000  | 13158  | 15556  | 13333  | 55556  | 77778  | 100000 | 133333 |
| Fitted              | 4879   | 10668  | 17619 | 16405  | 27668  | 34078  | 10581  | 55629  | 53884  | 106776 | 202854 |
| Percentage change   | -22.55 | 30.10  | 95.77 | 49.14  | 110.27 | 119.07 | -20.64 | 0.13   | -30.72 | 6.78   | 52.14  |
| <b>Zambia</b>       |        |        |       |        |        |        |        |        |        |        |        |
| Actual              | 611    | 866    | 889   | 1200   | 13000  | 15900  | 48270  | 86464  | 102893 | 132732 | 159762 |
| Fitted              | 869    | 923    | 959   | 1544   | 12788  | 11927  | 42936  | 93272  | 122964 | 195322 | 174955 |
| Percentage change   | 42.31  | 6.62   | 7.85  | 28.68  | -1.63  | -24.99 | -11.05 | 7.87   | 19.51  | 47.15  | 9.51   |
| <b>South Africa</b> |        |        |       |        |        |        |        |        |        |        |        |
| Actual              | 278    | 312    | 286   | 266    | 303    | 358    | 445    | 417    | 387    | 599    | 616    |
| Fitted              | 260    | 291    | 295   | 284    | 310    | 354    | 430    | 406    | 391    | 608    | 639    |
| Percentage change   | -6.40  | -6.79  | 3.28  | 6.89   | 2.27   | -1.02  | -3.47  | -2.59  | 1.13   | 1.54   | 3.82   |
| <b>Zimbabwe</b>     |        |        |       |        |        |        |        |        |        |        |        |
| Actual              | 180    | 180    | 195   | 215    | 225    | 270    | 550    | 900    | 900    | 1050   | 1200   |
| Fitted              | 150    | 138    | 191   | 226    | 261    | 383    | 612    | 736    | 898    | 1121   | 1516   |
| Percentage change   | -16.67 | -23.15 | -1.92 | 5.34   | 15.92  | 41.98  | 11.34  | -18.19 | -0.19  | 6.73   | 26.37  |

**APPENDIX C**  
**Table C1: Meaning of Acronyms**

|                               | <b>COUNTRY</b>                      | <b>DESCIPTION</b>      | <b>UNIT</b> |
|-------------------------------|-------------------------------------|------------------------|-------------|
| <b>AREA HARVESTED</b>         |                                     |                        |             |
| MAMAH                         | Malawi                              | Area Harvested         | Hectares    |
| MOMAH                         | Mozambique                          | Area Harvested         | Hectares    |
| SAMAH                         | South Africa                        | Area Harvested         | Hectares    |
| TAMAH                         | Tanzania                            | Area Harvested         | Hectares    |
| ZAMAH                         | Zambia                              | Area Harvested         | Hectares    |
| ZIMAH                         | Zimbabwe                            | Area Harvested         | Hectares    |
| SDMAH                         | Rest of SADC                        | Area Harvested         | Hectares    |
| <b>YIELD</b>                  |                                     |                        |             |
| MAMYLD                        | Malawi                              | Maize yield            | Tons/Ha     |
| MOMYLD                        | Mozambique                          | Maize yield            | Tons/Ha     |
| TAMYLD                        | Tanzania                            | Maize yield            | Tons/Ha     |
| ZAMYLD                        | Zambia                              | Maize yield            | Tons/Ha     |
| SAMYLD                        | South Africa                        | Maize yield            | Tons/Ha     |
| ZIMYLD                        | Zimbabwe                            | Maize yield            | Tons/Ha     |
| SDMYLD                        | Rest of SADC                        | Maize yield            | Tons/Ha     |
| <b>PRODUCTION</b>             |                                     |                        |             |
| MAMPR                         | Malawi                              | Production             | Tons        |
| MOMPR                         | Mozambique                          | Production             | Tons        |
| SAMPR                         | South Africa                        | Production             | Tons        |
| TAMPR                         | Tanzania                            | Production             | Tons        |
| ZAMPR                         | Zambia                              | Production             | Tons        |
| ZIMPR                         | Zimbabwe                            | Production             | Tons        |
| SDMPR                         | Rest of SADC                        | Production             | Tons        |
| <b>PER CAPITA CONSUMPTION</b> |                                     |                        |             |
| MAMFOPC                       | Malawi                              | Per capita consumption | Kg/capita   |
| MOMFOPC                       | Mozambique                          | Per capita consumption | Kg/capita   |
| TAMFOPC                       | Tanzania                            | Per capita consumption | Kg/capita   |
| ZIMFOPC                       | Zimbabwe                            | Per capita consumption | Kg/capita   |
| SDMFOPC                       | Rest of SADC                        | Per capita consumption | Kg/capita   |
| ZAMFOPC                       | Zambia                              | Per capita consumption | Kg/capita   |
| SAMFOPC                       | South Africa                        | Per capita consumption | Kg/capita   |
| SAMFEED                       | South Africa<br>(Human)<br>(Animal) | Animal consumption     | Tons        |
| <b>FOOD CONSUMPTION</b>       |                                     |                        |             |
| MAMFO                         | Malawi                              | Food consumption       | Tons        |
| MOMFO                         | Mozambique                          | Food consumption       | Tons        |
| TAMFO                         | Tanzania                            | Food consumption       | Tons        |
| ZIMFO                         | Zimbabwe                            | Food consumption       | Tons        |
| SDMFO                         | Rest of SADC                        | Food consumption       | Tons        |
| ZAMFO                         | Zambia                              | Food consumption       | Tons        |
| SAMFO                         | South Africa                        | Food consumption       | Tons        |
| <b>OTHER USES</b>             |                                     |                        |             |
| MAMOU                         | Malawi                              | Other Uses             | Tons        |
| MOMOU                         | Mozambique                          | Other Uses             | Tons        |

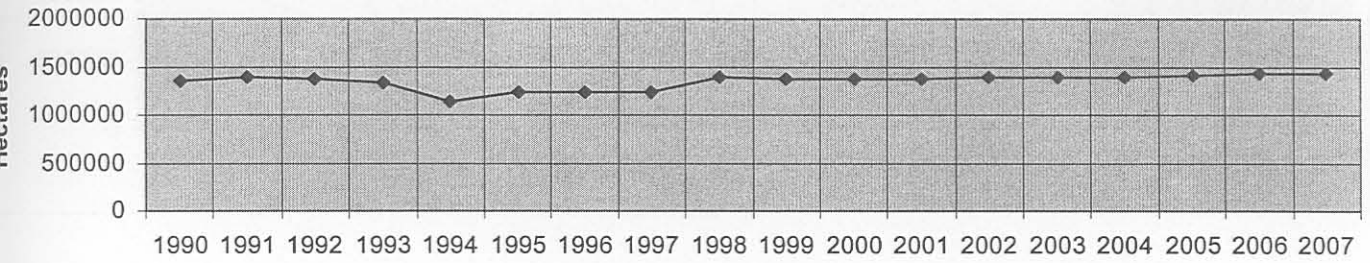


|                       |              |  |            |
|-----------------------|--------------|--|------------|
| TAMOU                 | Tanzania     | Other Uses   | Tons       |
| ZIMOU                 | Zimbabwe     | Other Uses   | Tons       |
| SDMOU                 | Rest of SADC | Other Uses   | Tons       |
| ZAMOU                 | Zambia       | Other Uses   | Tons       |
| SAMOU                 | South Africa | Other Uses   | Tons       |
| <b>STOCK CHANGE</b>   |              |  |            |
| MAMSC                 | Malawi       | Stock Change   | Tons       |
| MOMSC                 | Mozambique   | Stock Change   | Tons       |
| TAMSC                 | Tanzania     | Stock Change   | Tons       |
| ZAMSC                 | Zambia       | Stock Change   | Tons       |
| SAMSC                 | South Africa | Stock Change   | Tons       |
| ZIMSC                 | Zimbabwe     | Stock Change   | Tons       |
| SDMSC                 | Rest of SADC | Stock Change   | Tons       |
| <b>NET MAIZE</b>      |              |  |            |
| <b>TRADE</b>          |              |  |            |
| MAMNT                 | Malawi       | Exports-Imports  | Tons       |
| MOMNT                 | Mozambique   | Exports-Imports  | Tons       |
| TAMNT                 | Tanzania     | Exports-Imports  | Tons       |
| ZAMNT                 | Zambia       | Exports-Imports  | Tons       |
| SAMNT                 | South Africa | Exports-Imports  | Tons       |
| ZIMNT                 | Zimbabwe     | Exports-Imports  | Tons       |
| SDMNT                 | Rest of SADC | Exports-Imports  | Tons       |
| <b>POPULATION</b>     |              |  |            |
| MAPOP                 | Malawi       | Population   | Millions   |
| MOPOP                 | Mozambique   | Population   | Millions   |
| TAPOP                 | Tanzania     | Population   | Millions   |
| ZAPOP                 | Zambia       | Population   | Millions   |
| SAPOP                 | South Africa | Population   | Millions   |
| ZIPOP                 | Zimbabwe     | Population   | Millions   |
| SDPOP                 | Rest of SADC | Population   | Millions   |
| <b>PRICES</b>         |              |  |            |
| RMAMPPD               | Malawi       | Real maize producer price                                    | U.S.\$/Ton |
| RMAMPP                | Malawi       | Maize producer price divided by the US potash price          | Lc/Ton     |
| RMOMPP                | Mozambique   | Real maize producer price                                    | Lc/Ton     |
| MOMPP                 | Mozambique   | Maize producer price divided by the US potash price          | Lc/Ton     |
| RSAMPPD               | South Africa | Real maize producer price                                    | U.S.\$/Ton |
| RSAMPP                | South Africa | Real maize producer price                                    | Lc/Ton     |
| RTAMPPD               | Tanzania     | Real maize producer price                                    | U.S.\$/Ton |
| RZAMPPD               | Zambia       | Real maize producer price                                    | U.S.\$/Ton |
| ZAMPP                 | Zambia       | Maize producer price divided by the US potash price          | Lc/Ton     |
| RZIMPPD               | Zimbabwe     | Real maize producer price                                    | U.S.\$/Ton |
| USMPPSA               | South Africa | U.S. Maize Gulf port price deflated with South Africa's GDPD | U.S.\$/Ton |
| USMPPZA               | Zambia       | U.S. Maize Gulf port price deflated with Zambia's GDPD       | U.S.\$/Ton |
| USMPPZI               | Zimbabwe     | U.S. Maize Gulf port price deflated with Zimbabwe's GDPD     | U.S.\$/Ton |
| USMPPSD               | Rest of SADC | U.S. Maize Gulf port price deflated with Rest of SADC's GDPD | U.S.\$/Ton |
| <b>CONSUMER PRICE</b> |              |  |            |

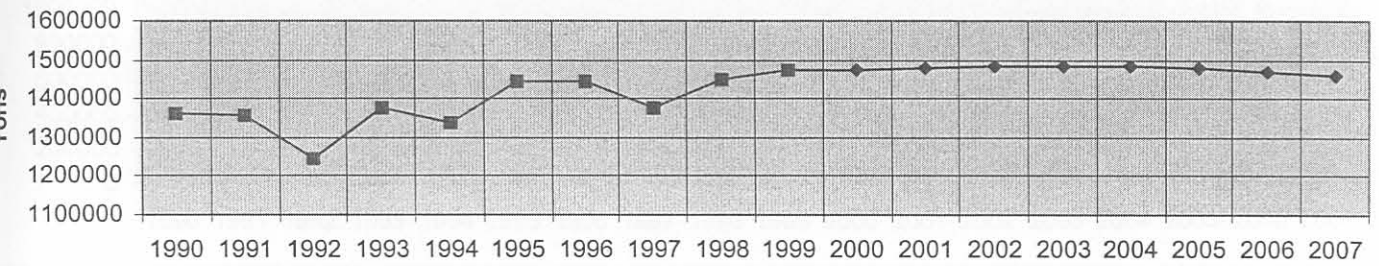
|               |   |   |               |
|---------------|---|---|---------------|
| RMAMCPD       | Malawi  | Real maize consumer price                           | U.S.\$/Ton    |
| RMOMCPD       | Mozambique  | Real maize consumer price                           | U.S.\$/Ton    |
| RSAMCPD       | South Africa  | Real maize meal consumer price                      | U.S.\$/Ton    |
| RTAMCPD       | Tanzania  | Real maize consumer price                           | U.S.\$/Ton    |
| RZAMCPD       | Zambia  | Real maize consumer price                           | U.S.\$/Ton    |
| RZIMCPD       | Zimbabwe  | Real maize consumer price                           | U.S.\$/Ton    |
| <b>INCOME</b> |   |   |               |
| RMAGDPD       | Malawi  | Real GDP per capita                                 | U.S.\$/capita |
| RMOGDPD       | Mozambique  | Real GDP per capita                                 | U.S.\$/capita |
| RSAGDPD       | South Africa  | Real GDP per capita                                 | U.S.\$/capita |
| RTAGNID       | Tanzania  | Real GNI per capita                                 | U.S.\$/capita |
| RZAGNID       | Zambia  | Real GNI per capita                                 | U.S.\$/capita |
| RZIGNID       | Zimbabwe  | Real GNI per capita                                 | U.S.\$/capita |
| RSDGDPPC      | Rest of SADC  | Real GDP per capita                                 | U.S.\$/capita |
| <b>OTHERS</b> |   |   |               |
| ROW           | SADC Region   | Regional Exports-Imports with the rest of the world | Tons          |
| DUM78         | dummy variable =1 in 1978 zero otherwise              |   |               |
| DUM 80        | dummy variable =1 in 1980 zero otherwise              |   |               |
| DUM 81        | dummy variable =1 in 1981 zero otherwise              |   |               |
| DUM 82        | dummy variable =1 in 1982 zero otherwise              |   |               |
| DUM 85        | dummy variable =1 in 1985 zero otherwise              |   |               |
| DUM 88        | dummy variable =1 in 1988 zero otherwise              |   |               |
| DUM 90        | dummy variable =1 in 1990 zero otherwise              |   |               |
| DUM 91        | dummy variable =1 in 1991 zero otherwise              |   |               |
| DUM 92        | dummy variable =1 in 1992 zero otherwise              |   |               |
| DUM 93        | dummy variable =1 in 1993 zero otherwise              |   |               |
| DUM 94        | dummy variable =1 in 1994 zero otherwise              |   |               |
| DUM 95        | dummy variable =1 in 1995 zero otherwise              |   |               |
| DUM 96        | dummy variable =1 in 1996 zero otherwise              |   |               |
| DUM8082       | dummy variable =1 from 1980 to 1982 zero otherwise    |   |               |
| DUM8182       | dummy variable =1 from 1981 to 1982 zero otherwise    |   |               |
| DUM8586       | dummy variable =1 from 1985 to 1986 zero otherwise    |   |               |
| DUM8687       | dummy variable =1 from 1986 to 1987 zero otherwise    |   |               |
| DUM8789       | dummy variable =1 from 1987 to 1989 zero otherwise    |   |               |
| DUM8889       | dummy variable =1 from 1988 to 1989 zero otherwise    |   |               |
| DUM9192       | dummy variable =1 from 1991 to 1992 zero otherwise    |   |               |
| DUM9293       | dummy variable =1 from 1992 to 1993 zero otherwise    |   |               |
| DUM9496       | dummy variable =1 from 1994 to 1996 zero otherwise    |   |               |
| SHIFT82       | SHIFT variable =1 if<= 1982, zero otherwise           |   |               |
| SHIFT85       | SHIFT variable =1 if<= 1985, zero otherwise           |   |               |
| SHIFT87       | SHIFT variable =1 if<= 1987, zero otherwise           |   |               |
| SHIFT89       | SHIFT variable =1 if<= 1989, zero otherwise           |   |               |
| SHIFT94       | SHIFT variable =1 if<= 1994, zero otherwise           |   |               |
| SHIFT8590     | SHIFT variable =1 if >1985 and < 1990, zero otherwise |   |               |
| RSABCPD       | South Africa  | Real bread consumer price                           | U.S.\$/Kg     |
| RSAMEATPPD    | South Africa  | Weighted average price of meat                      | U.S.\$/Ton    |
| RSASFPPD      | South Africa  | Real sunflower producer price                       | U.S.\$/Ton    |

## APPENDIX D BASELINE AND FORECAST GRAPHS

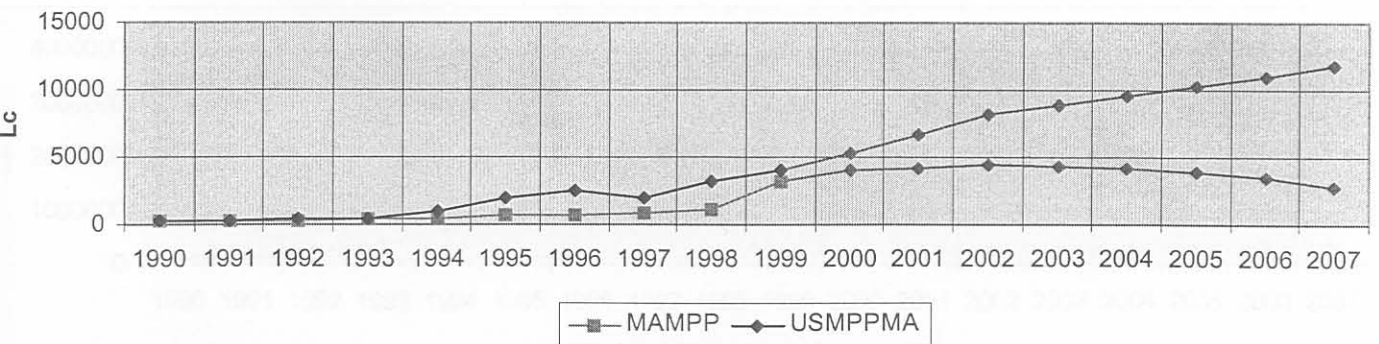
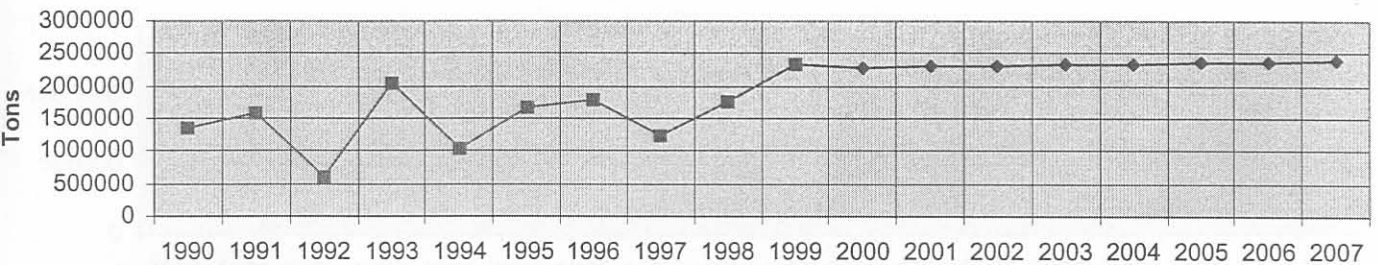
MAMAH



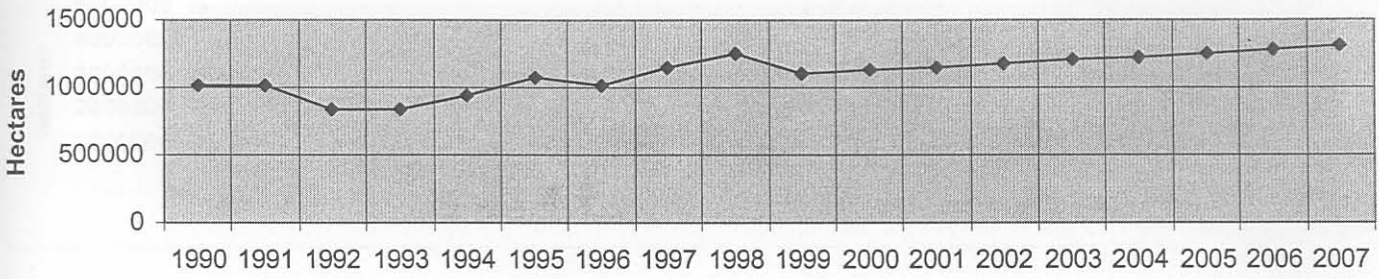
MAMFO



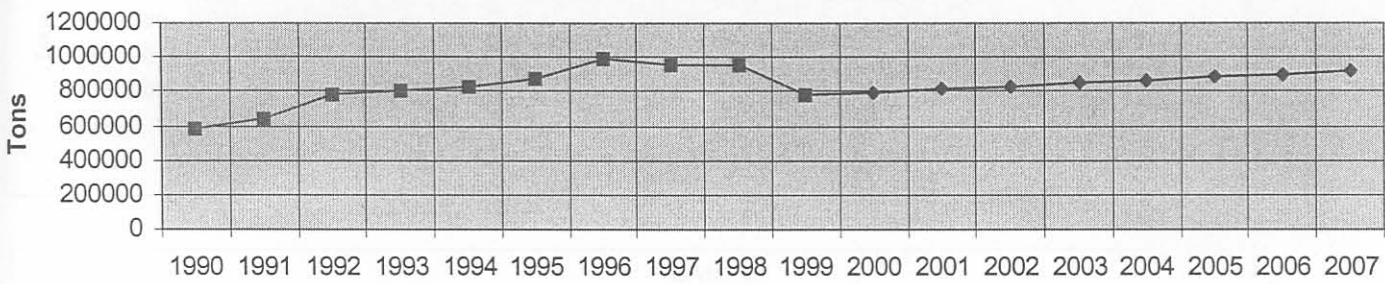
MAMPR



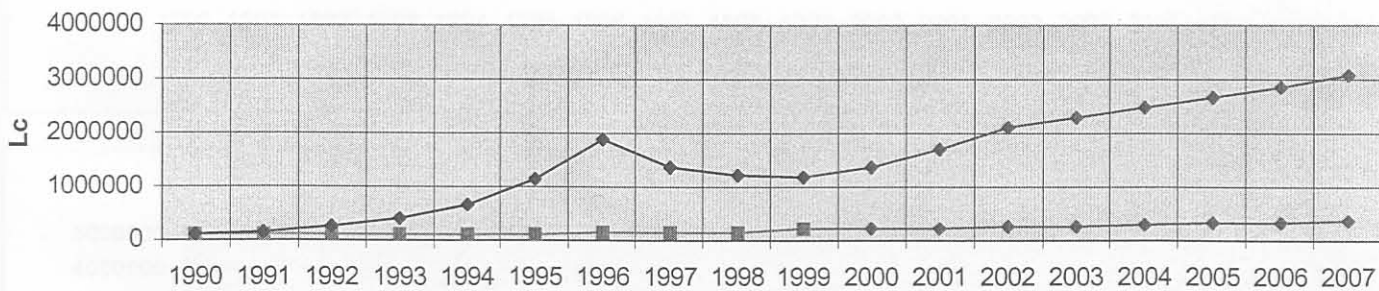
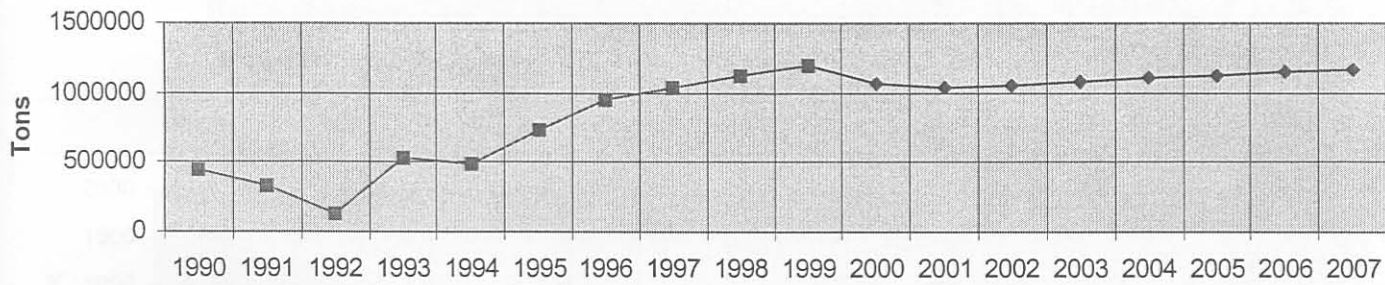
MOMAH



MOMFO



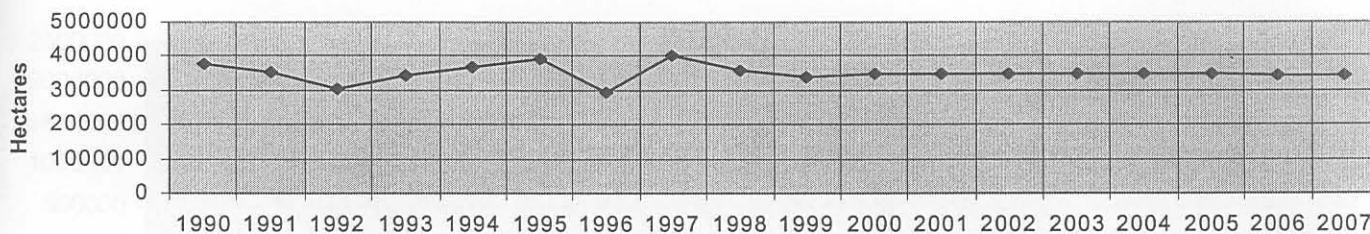
MOMPR



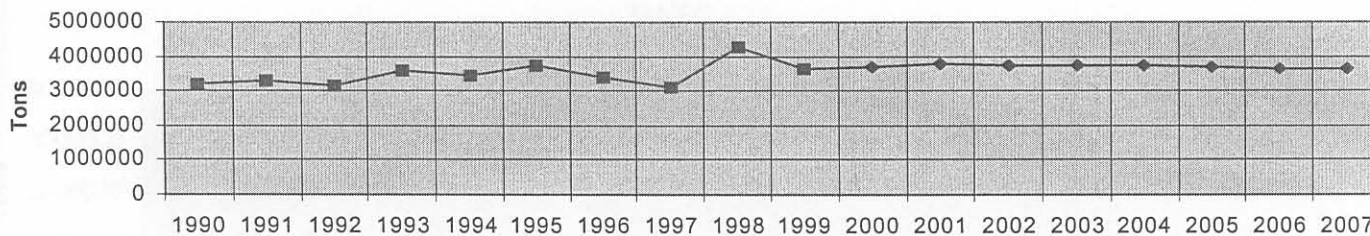
■ MOMPP ◆ USMPPMO



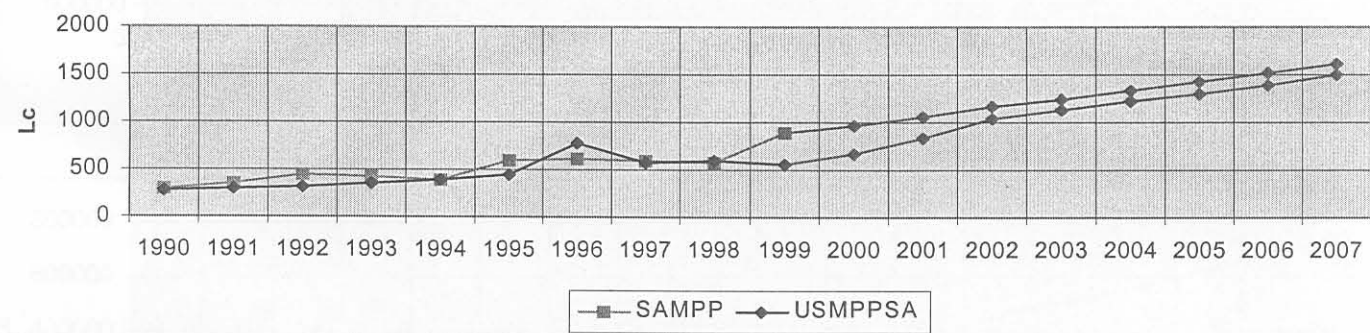
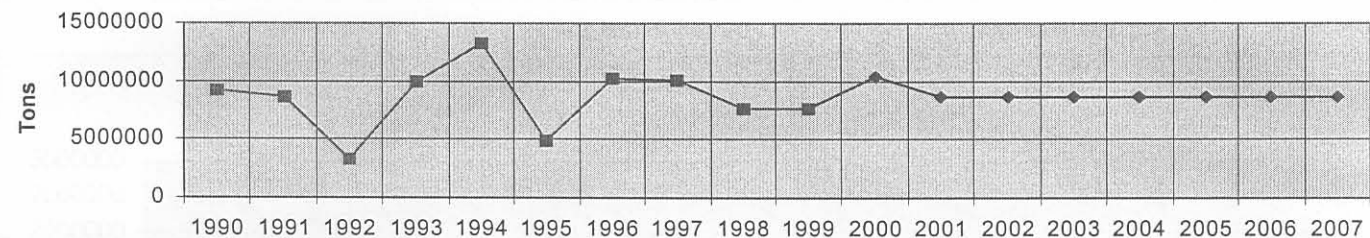
### SAMAH



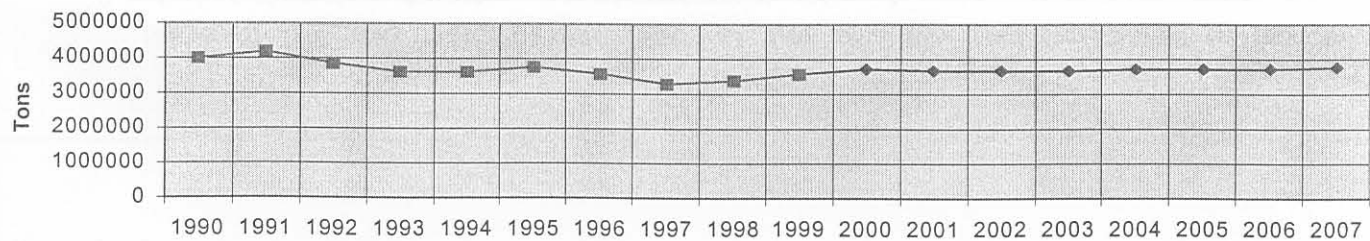
### SAMFO



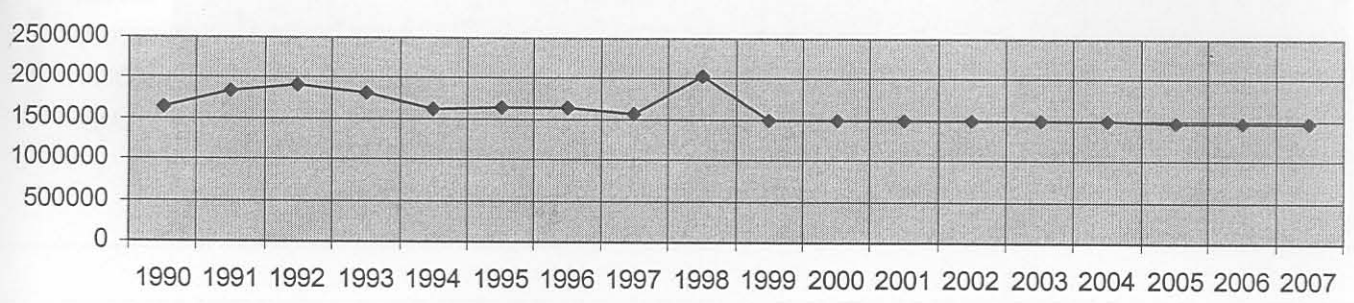
### SAMPR



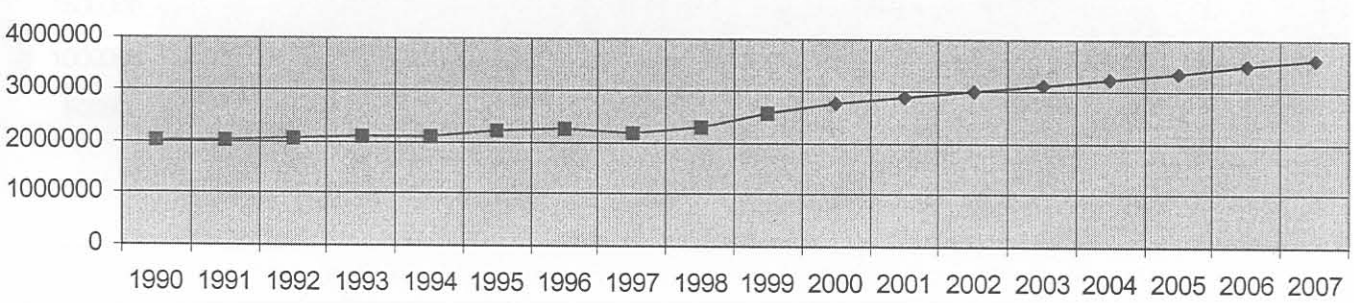
### SAMFEED



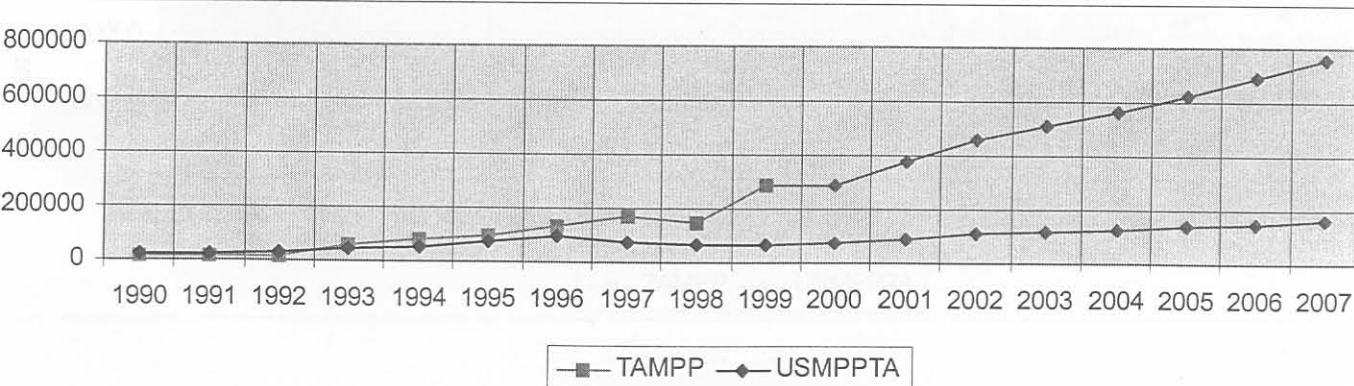
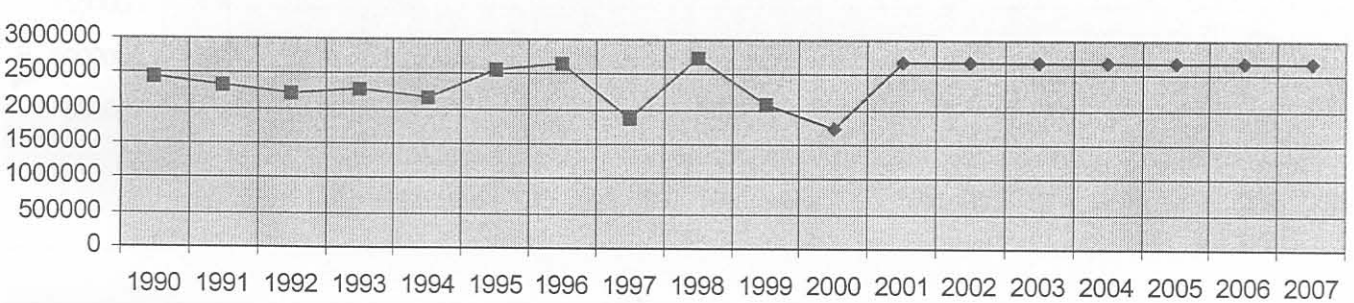
TAMAH



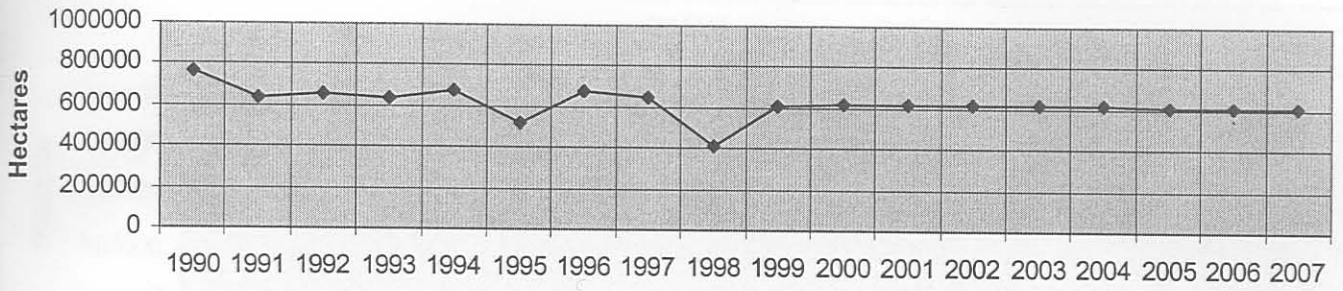
TAMFO



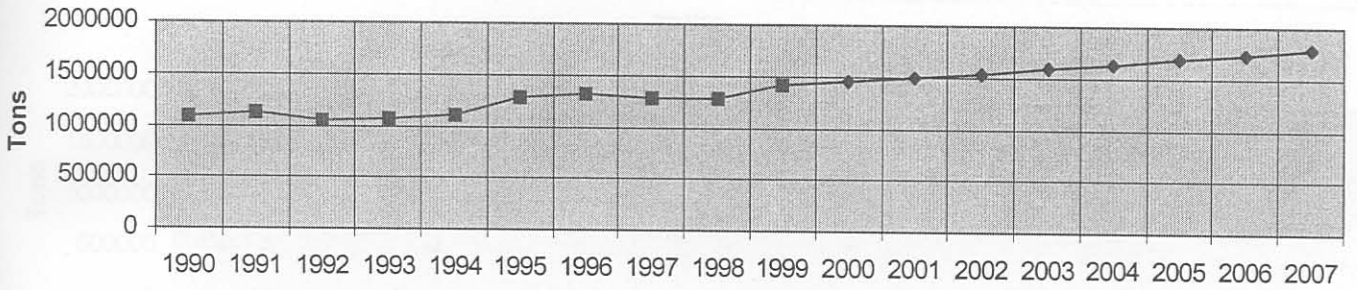
TAMPR



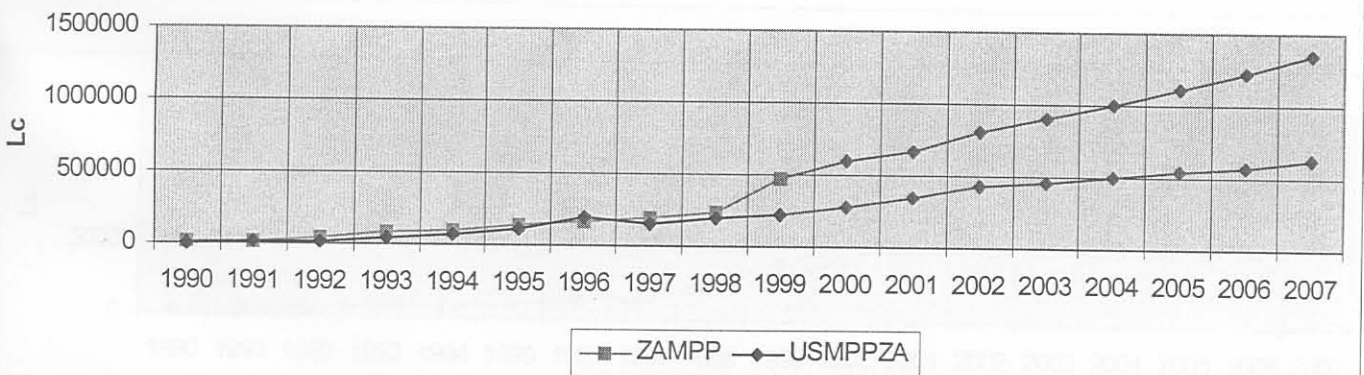
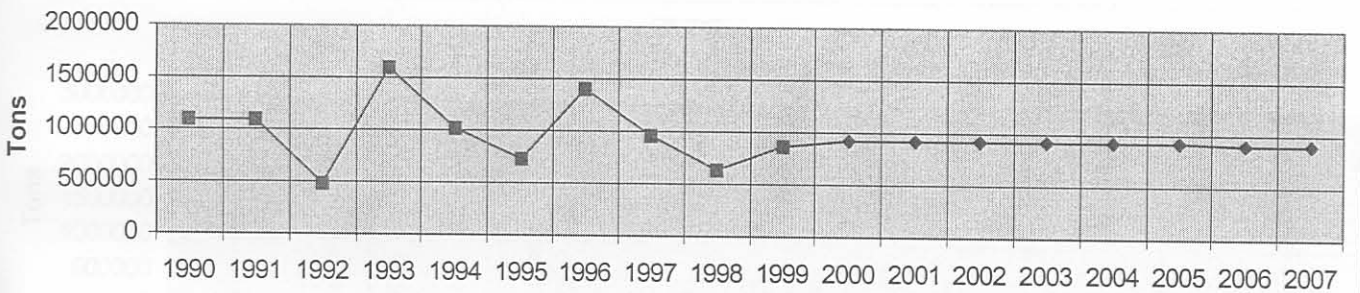
### ZAMAH



### ZAMFO

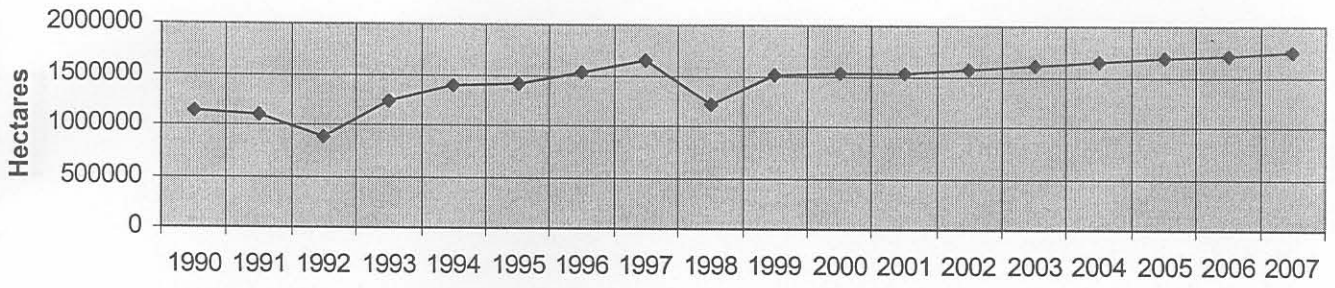


### ZAMPR

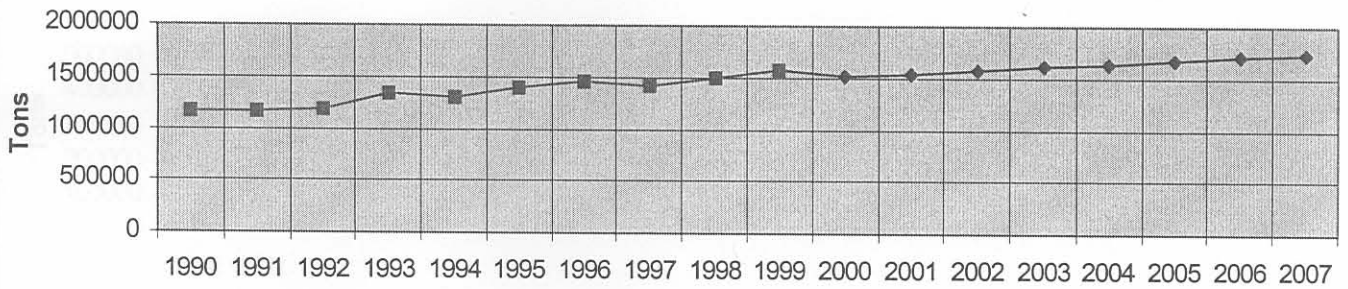




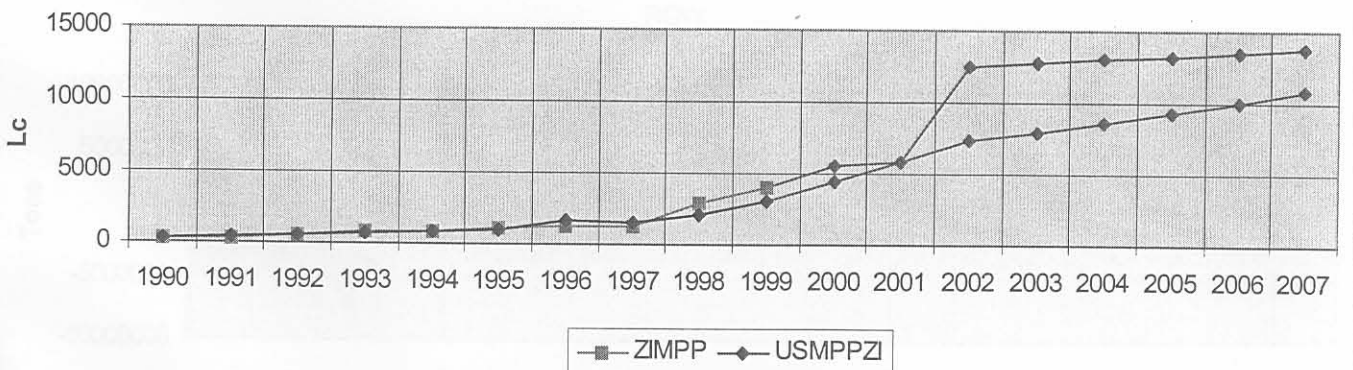
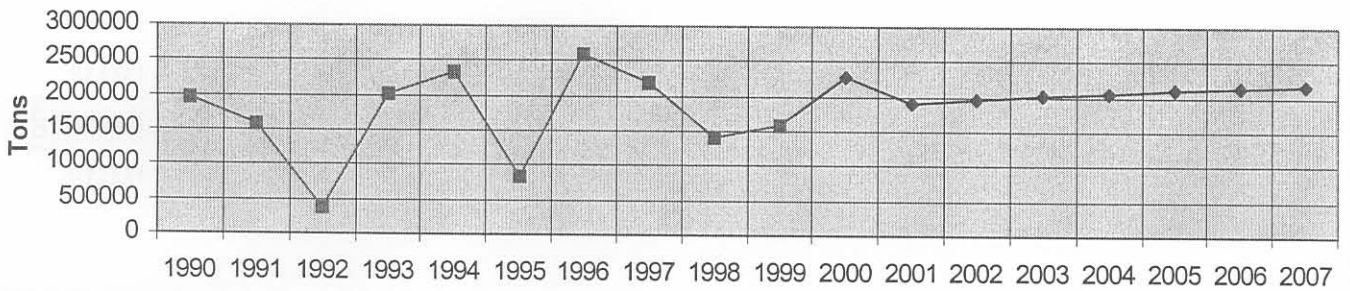
ZIMAH



ZIMFO



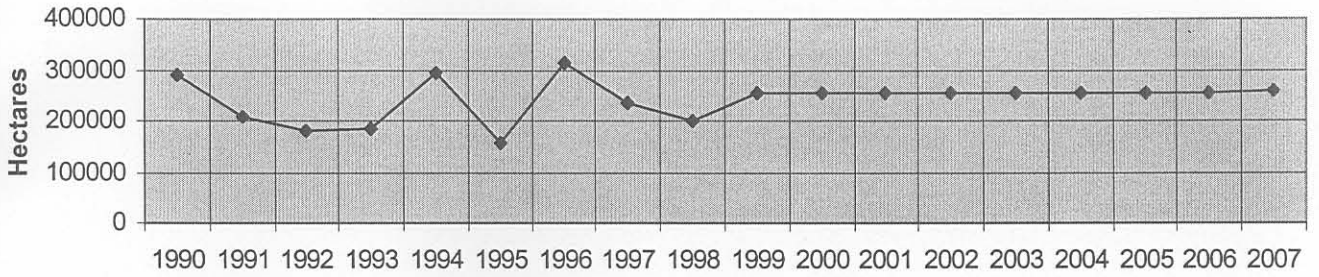
ZIMPR



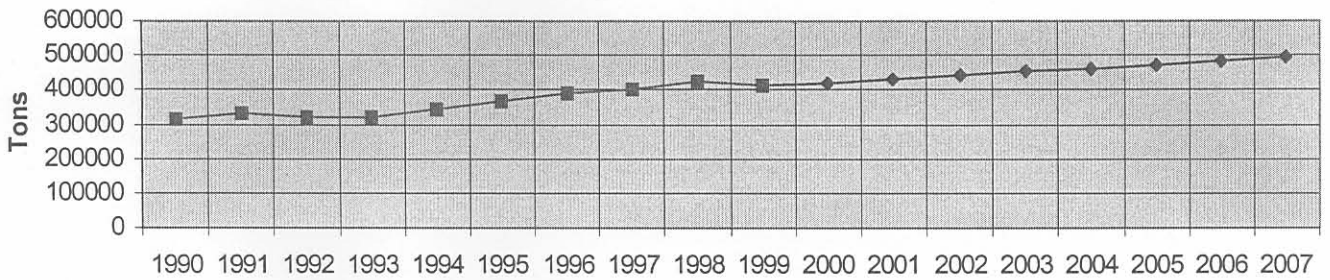
■ ZIMPP    ◆ USMPPZI



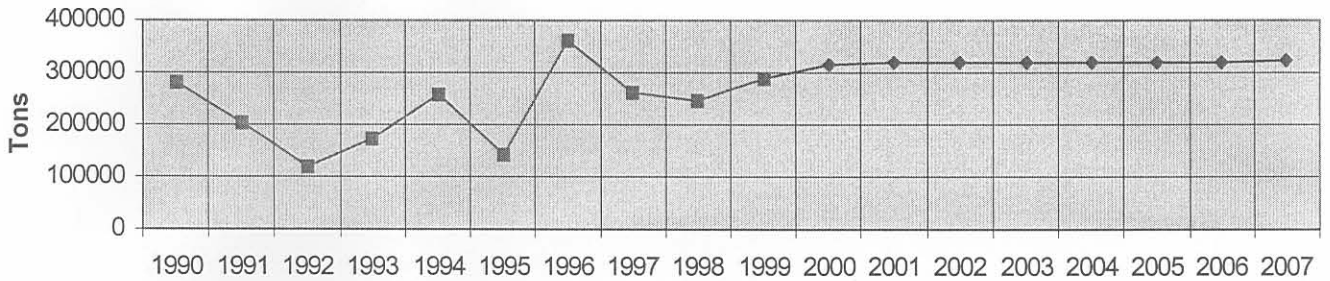
SDMAH



SDMFO



SDMPR



ROW

