# APPENDICES

Table 7.1-1 Main Economic Indicators

| Indicator | Unit | 1981 | 1982 | 1983 | 1984 | 1985 |
|---|---|---|---|---|---|---|
| 1. Real GDP Growth | % | 6.3 | 4.1 | 5.8 | 6.2 | 4.0 |
| 2. Increase in Consumer Prices | - do - | 12.7 | 5.2 | 3.8 | 0.9 | 2.4 |
| 3. Increase in Wholesale Prices | - do - | 9.6 | 0.9 | 2.0 | (-) 3.1 | (-) 0.1 |
| 4. Foreign Exchange Reserves | US$ million | 2,726 | 2,652 | 2,525 | 2,689 | 3,003 |
| 5. Debt Services Ratio | % | 14.8 | 16.6 | 19.5 | 19.8 | 21.8 |
| where Private Sector | - do - | 7.8 | 7.7 | 9.2 | 9.7 | 10.6 |
| Public Sector | - do - | 7.0 | 8.9 | 10.3 | 10.1 | 11.2 |
| 6. Balance of External Debt | US$ billion | 7.18 | 8.32 | 9.52 | 10.79 | 12.96 |
| where Private Sector | - do - | 2.10 | 2.30 | 2.66 | 3.37 | 3.58 |
| Public Sector | - do - | 5.08 | 6.02 | 6.87 | 7.43 | 9.38 |
| 7. Public Finance - Revenue | ฿ billion | 111.8 | 116.0 | 143.4 | 148.2 | 160.5 |
| Expenditure | - do - | 133.4 | 157.0 | 167.1 | 182.2 | 200.0 |
| Balance | - do - | (-) 21.6 | (-) 41.0 | (-) 23.7 | (-) 34.0 | (-) 39.5 |

Source: Central Bank of Thailand.

Table 7.1-2 Balance of Payments

| | Unit | 1981 | 1982 | 1983 | 1984 | 1985 |
|---|---|---|---|---|---|---|
| 1. Export | ฿ billion | 150.2 | 157.2 | 145.1 | 173.6 | 191.8 |
| (increase from previous year) | % | 13.5 | 4.6 | (-) 7.7 | 19.9 | 10.5 |
| 2. Import | ฿ billion | 216.0 | 193.3 | 234.3 | 243.2 | 254.3 |
| (increase from previous year) | % | 13.7 | (-) 10.5 | 21.2 | 4.1 | 5.0 |
| 3. Balance of Trade | ฿ billion | (-) 65.8 | (-) 36.1 | (-) 89.2 | (-) 69.6 | (-) 62.5 |
| 4. Balance of Current Account | - do - | (-) 56.0 | (-) 23.1 | (-) 66.1 | (-) 49.2 | (-) 41.6 |
| 5. Balance of Payment | - do - | 2.5 | 3.3 | (-) 18.1 | 10.6 | 12.5 |
| 6. Exchange Rate (Annual Average ) | 1 US$ | 21.80 | 22.98 | 22.98 | 23.61 | 27.18 |

Source: Central Bank of Thailand

Figure 7.2-1 Composition of 6th NESDP

| Development Guideline | Main Programme |
|---|---|
| 1. Increase the Efficiency of National Development | (1) Overall Economic Development |
| | (2) Population, Social and Cultural Development |
| | (3) Development of Natural Resources and the Environment |
| | (4) Development of Science and Technology |
| | (5) Improving the Administration and Reviewing the Role of Government in National Development |
| | (6) Development of State Enterprises |
| 2. Improve the Production System and Marketing and Raise the Quality of Basic Economic Factors | (7) Development of the Production System, Marketing and Employment |
| | (8) Development of Infrastructure Services |
| 3. Increase the Distribution of Income and Prosperity into Provincial Regions and Rural Areas | (9) Development of Urban and Specific Areas |
| | (10) Rural Development |

Figure 7.2-2 Breakdown of 6th NESDP

| Main Programme | | Component/Plan | |
|---|---|---|---|
| 01 | *Overall Economic Development* | 01 | Restoration of National Monetary and Fiscal Condtion |
| | | 02 | Savings Mobilization and the Role of the Private Sector in Development |
| | | 03 | Public Finance |
| 02 | *Population, Social and Cultural Development* | 04 | Development Plan of the Quality of the Population and Labour Force |
| | | 05 | Plan for Promoting Peace in Society |
| | | 06 | Plan for Improving Social Development Mechanisms |
| 03 | *Development of Natural Resources and the Environment* | 07 | Problem of Inefficient Use of Each Type of Natural Resources |
| | | 08 | Problem of Conflicting Use of Various Natural Resources |
| | | 09 | Problems of Organization and Implementation |
| 04 | *Development of Science and Technology* | 10 | Plan for Developing the Basic Structure and Administration System |
| | | 11 | Plan for Increasing Efficiency in Scientific and Technological Activities |
| | | 12 | Plan for Developing Human Resources and Manpower in Science and Technology |
| | | 13 | Plan for Increasing Efficiency in the Production System through Technology |
| 05 | *Improving the Administrating and Reviewing the Role of the Government in National Development* | 14 | Developing the Programme System for Government Administration |
| | | 15 | Improving Government Instruments for Supporting the Administration of Development |
| | | 16 | Improving the Provision of Government Services |
| | | 17 | Cooperation between the Public and Private Sectors |
| 06 | *Development of State Enterprises* | 18 | Investment |
| | | 19 | Fund Mobilization |
| | | 20 | Loan Guarantee |
| | | 21 | Pricing of Goods and Services |
| | | 22 | Personnel Management |
| | | 23 | State Enterprises Management |
| | | 24 | Privatization of State Enterprises |
| 07 | *Development of the Production System, Marketing and Employment* | 25 | Productiuon for Sale |
| | | 26 | Diversification of Production and Services |
| | | 27 | Marketing Development |
| | | 28 | Restructuring the Management System for Production and Marketing |
| | | 29 | Role of the Public Sector in the Development of the Production System, Marketing and Employment |
| 08 | *Development of Infrastructure Services* | 30 | Development Plan for Public Utilities and Amenities |
| | | 31 | Development Plan for Energy |
| | | 32 | Development Plan for Transport |
| | | 33 | Development Plan for Communication |
| 09 | *Development of Urban and Specific Areas* | 34 | Development Plan for Bangkok Metropolitan Region |
| | | 35 | Development Plan for Regional Urban Growth Center |
| | | 36 | Development Plan for the Eastern Seaboard Sub-Region |
| | | 37 | Preparation for Development of Other New Economic Areas |
| 10 | *Rural Development* | 38 | Developing the Basic Factors in Rural Production and Marketing |
| | | 39 | Increasing the Efficiency and Capability of the Government in Solving Rural Problems |
| | | 40 | Improving Administrative Mechanisms by Consolidating Efforts in an Integrated Rural Development System |
| | | 41 | Increasing Participation by People's Organization and the Private Sector in Rural Development |

Source: "The Sixth National Economic and Social Development Plan (1987 - 1991)"
National Economic and Social Development Board
Office of The Prime Minister

Table 7.3-1 Agricultural Extension Target of Whole Thailand

| | Crop | Production Target (1,000 tons) | | | | | Planted Area Target (1,000 ha) | | | | | Target Yield (tons/ha) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1987 | 1988 | 1989 | 1990 | 1991 | 1987 | 1988 | 1989 | 1990 | 1991 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 1. | Paddy | 20,178 | 20,330 | 20,812 | 21,065 | 21,312 | 9,914 | 9,914 | 9,914 | 9,906 | 9,906 | 2.04 | 2.05 | 2.09 | 2.12 | 2.15 |
| | Paddy (wet) | 18,178 | 18,497 | 18,961 | 19,204 | 19,442 | 9,386 | 9,434 | 9,434 | 9,426 | 9,426 | 1.94 | 1.96 | 2.01 | 2.04 | 2.06 |
| | Paddy (dry) | 2,000 | 1,833 | 1,851 | 1,861 | 1,870 | 528 | 480 | 480 | 480 | 480 | 3.79 | 3.82 | 3.86 | 3.88 | 3.89 |
| 2. | Maize | 4,357 | 4,512 | 4,669 | 4,745 | 4,879 | 1,863 | 1,886 | 1,916 | 1,916 | 1,916 | 2.34 | 2.39 | 2.44 | 2.48 | 2.54 |
| 3. | Sorghum | 393 | 421 | 440 | 463 | 488 | 269 | 271 | 274 | 277 | 284 | 1.46 | 1.56 | 1.61 | 1.67 | 1.72 |
| 4. | Cassava | 18,060 | 18,138 | 18,227 | 18,314 | 18,391 | 1,266 | 1,255 | 1,246 | 1,238 | 1,228 | 14.27 | 14.46 | 14.63 | 14.79 | 14.97 |
| 5. | Pineapple | 1,778 | 1,870 | 1,968 | 2,050 | 2,147 | 81 | 79 | 79 | 78 | 78 | 21.88 | 23.75 | 25.00 | 26.25 | 27.50 |
| 6. | Cotton | 115 | 122 | 130 | 137 | 146 | 80 | 83 | 86 | 90 | 93 | 1.43 | 1.47 | 1.51 | 1.53 | 1.57 |
| 7. | Kenaf | 263 | 263 | 264 | 265 | 266 | 231 | 225 | 219 | 214 | 210 | 1.14 | 1.17 | 1.20 | 1.24 | 1.27 |
| 8. | Jute | 23 | 23 | 22 | 22 | 21 | 15 | 14 | 13 | 12 | 11 | 1.59 | 1.65 | 1.71 | 1.78 | 1.84 |
| 9. | Java Cotton | 56 | 62 | 68 | 76 | 84 | 58 | 62 | 66 | 66 | 73 | 1.25 | 1.31 | 1.36 | 1.43 | 1.49 |
| 10. | Soybean | 363 | 387 | 413 | 440 | 468 | 274 | 286 | 302 | 318 | 331 | 1.33 | 1.35 | 1.37 | 1.39 | 1.41 |
| 11. | Ground Nut | 196 | 200 | 205 | 209 | 213 | 139 | 140 | 140 | 140 | 140 | 1.41 | 1.43 | 1.46 | 1.49 | 1.53 |
| 12. | Mungbean, Fat | 241 | 251 | 262 | 262 | 272 | 331 | 333 | 334 | 334 | 335 | 0.73 | 0.76 | 0.78 | 0.78 | 0.81 |
| 13. | Mungbean, Balck | 74 | 77 | 80 | 80 | 83 | 89 | 89 | 89 | 89 | 89 | 0.84 | 0.86 | 0.90 | 0.91 | 0.94 |
| 14. | Castor Oil | 32 | 36 | 40 | 45 | 51 | 38 | 40 | 44 | 48 | 52 | 0.86 | 0.89 | 0.92 | 0.94 | 0.98 |
| 15. | Sesame | 30 | 33 | 37 | 42 | 48 | 52 | 56 | 60 | 67 | 33 | 0.58 | 0.59 | 0.61 | 0.63 | 0.65 |
| 16. | Mulberry | 159 | 162 | 166 | 171 | 180 | 42 | 43 | 44 | 45 | 48 | 3.75 | 3.75 | 3.75 | 3.75 | 3.75 |
| 17. | Silk | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| 18. | Para Rubber | 792 | 841 | 881 | 934 | 978 | 1,559 | 1,584 | 1,587 | 1,588 | 1,592 | 0.69 | 0.73 | 0.76 | 0.79 | 0.84 |
| 19. | Oil Palm | 853 | 1,002 | 1,126 | 1,257 | 1,450 | 94 | 102 | 108 | 109 | 109 | 12.28 | 12.24 | 13.08 | 13.29 | 13.90 |
| 20. | Coffee | 23 | 24 | 35 | 37 | 39 | 44 | 44 | 44 | 45 | 45 | 0.76 | 0.79 | 0.81 | 0.84 | 0.89 |
| 21. | Cocoa | - | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 6 | 0.56 | 0.59 | 0.63 | 0.69 | 0.75 |
| 22. | Coconut | 1,435 | 1,490 | 1,547 | 1,598 | 1,660 | 433 | 438 | 442 | 446 | 451 | 3.96 | 4.02 | 4.08 | 4.14 | 4.21 |
| 23. | Rambutan | 640 | 691 | 739 | 786 | 833 | 69 | 70 | 71 | 73 | 74 | 10.54 | 10.99 | 11.48 | 11.87 | 12.32 |
| 24. | Durian | 435 | 464 | 487 | 519 | 557 | 71 | 73 | 75 | 77 | 78 | 7.41 | 7.64 | 7.79 | 8.03 | 8.36 |
| 25. | Sugar Apple | 123 | 136 | 149 | 163 | 176 | 41 | 41 | 42 | 42 | 43 | 3.41 | 3.48 | 3.56 | 3.64 | 3.70 |
| 26. | Sour Tamarind | 80 | 84 | 89 | 94 | 99 | 25 | 27 | 27 | 40 | 40 | 3.71 | 3.76 | 3.78 | 3.84 | 3.86 |
| 27. | Mangosteen | 76 | 79 | 82 | 86 | 88 | 12 | 12 | 12 | 13 | 13 | 8.11 | 8.21 | 8.33 | 8.51 | 8.55 |
| 28. | Longan | 35 | 39 | 43 | 46 | 49 | 17 | 18 | 18 | 19 | 19 | 2.56 | 2.68 | 2.76 | 2.89 | 2.93 |
| 29. | Banana | 79 | 87 | 92 | 97 | 102 | 13 | 13 | 13 | 14 | 14 | 6.26 | 6.43 | 6.63 | 6.88 | 7.06 |
| 30. | Mango | 412 | 463 | 521 | 570 | 649 | 112 | 116 | 112 | 125 | 130 | 4.80 | 5.02 | 5.32 | 5.55 | 5.81 |
| 31. | Lichee | 19 | 21 | 23 | 24 | 27 | 7 | 7 | 7 | 8 | 8 | 4.50 | 4.55 | 4.55 | 4.55 | 4.56 |
| 32. | Tangerine | 645 | 682 | 730 | 804 | 861 | 42 | 44 | 45 | 46 | 93 | 17.89 | 18.22 | 18.65 | 19.16 | 19.71 |
| 33. | Pomelo | 72 | 86 | 95 | 103 | 124 | 14 | 14 | 15 | 15 | 16 | 6.97 | 7.23 | 7.51 | 7.74 | 8.68 |
| 34. | Grape | 35 | 39 | 40 | 42 | 44 | 3 | 3 | 3 | 3 | 4 | 12.18 | 12.57 | 12.63 | 12.97 | 13.14 |
| 35. | Cashew Nut | 39 | 43 | 50 | 56 | 62 | 30 | 31 | 33 | 35 | 36 | 2.38 | 2.43 | 2.36 | 2.38 | 2.44 |
| 36. | Pepper | 9 | 12 | 13 | 14 | 15 | 3 | 3 | 3 | 4 | 4 | 4.03 | 4.06 | 4.11 | 4.14 | 4.15 |
| 37. | Shallot | 194 | 194 | 194 | 194 | 194 | 13 | 13 | 13 | 13 | 13 | 14.97 | 14.97 | 14.97 | 14.97 | 14.97 |
| 38. | Onion | 30 | 30 | 30 | 30 | 30 | 2 | 2 | 2 | 2 | 2 | 15.63 | 15.63 | 15.63 | 15.63 | 15.63 |
| 39. | Garlic | 270 | 271 | 271 | 272 | 272 | 25 | 25 | 25 | 25 | 25 | 10.80 | 10.80 | 10.80 | 10.80 | 10.80 |
| 40. | Sweet Potato | 67 | 75 | 82 | 89 | 95 | 7 | 8 | 8 | 9 | 9 | 9.43 | 9.64 | 9.84 | 9.93 | 10.06 |
| 41. | Potato | 13 | 13 | 14 | 15 | 16 | 1 | 1 | 1 | 1 | 1 | 12.18 | 12.20 | 12.49 | 12.79 | 13.38 |

Source: DOAE

Table 7.3-2 PRODUCTION TARGET OF PADDY BY GEOPHYSICAL REGION

(1) Wet Season Paddy

| Region | Production Target (1,000 tons) | | | | | Planted Area Target (1,000 ha) | | | | | Average Yield Target (tons/ha) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1987 | 1988 | 1989 | 1990 | 1991 | 1987 | 1988 | 1989 | 1990 | 1991 | 1987 | 1988 | 1989 | 1990 | 1991 |
| North | 5,303 | 5,375 | 5,525 | 5,596 | 5,649 | 2,134 | 2,152 | 2,152 | 2,152 | 2,152 | 2.49 | 2.50 | 2.56 | 2.59 | 2.63 |
| North-east | 7,281 | 7,375 | 7,577 | 7,664 | 7,751 | 4,605 | 4,627 | 4,627 | 4,627 | 4,627 | 1.58 | 1.59 | 1.64 | 1.66 | 1.68 |
| Central | 1,796 | 1,839 | 1,869 | 1,897 | 1,935 | 853 | 853 | 850 | 848 | 848 | 2.11 | 2.16 | 2.20 | 2.24 | 2.28 |
| East | 1,286 | 1,327 | 1,359 | 1,376 | 1,400 | 651 | 651 | 650 | 640 | 640 | 1.98 | 2.04 | 2.09 | 2.15 | 2.19 |
| West | 1,319 | 1,344 | 1,362 | 1,376 | 1,389 | 502 | 502 | 501 | 499 | 496 | 2.63 | 2.68 | 2.69 | 2.76 | 2.80 |
| South | 1,193 | 1,237 | 1,269 | 1,295 | 1,318 | 640 | 649 | 655 | 660 | 663 | 1.86 | 1.91 | 1.94 | 1.96 | 1.99 |
| Total | 18,178 | 18,497 | 18,961 | 19,204 | 19,442 | 9,385 | 9,434 | 9,435 | 9,426 | 9,426 | 1.94 | 1.96 | 2.01 | 2.04 | 2.06 |

(2) Dry Season Paddy

| Region | Production Target (1,000 tons) | | | | | Planted Area Target (1,000 ha) | | | | | Average Yield Target (tons/ha) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1987 | 1988 | 1989 | 1990 | 1991 | 1987 | 1988 | 1989 | 1990 | 1991 | 1987 | 1988 | 1989 | 1990 | 1991 |
| North | 260 | 263 | 266 | 266 | 266 | 70 | 70 | 70 | 70 | 70 | 3.69 | 3.73 | 3.77 | 3.77 | 3.77 |
| North-east | 90 | 92 | 94 | 95 | 96 | 35 | 35 | 35 | 35 | 35 | 2.56 | 2.63 | 2.66 | 2.69 | 2.72 |
| Central | 726 | 652 | 657 | 662 | 666 | 176 | 157 | 157 | 157 | 157 | 4.13 | 4.16 | 4.19 | 4.22 | 4.25 |
| East | 210 | 173 | 176 | 179 | 182 | 64 | 51 | 51 | 51 | 51 | 3.28 | 3.38 | 3.44 | 3.50 | 3.56 |
| West | 630 | 567 | 571 | 571 | 571 | 150 | 134 | 134 | 134 | 134 | 4.19 | 4.22 | 4.25 | 4.25 | 4.25 |
| South | 84 | 86 | 87 | 88 | 89 | 32 | 32 | 32 | 32 | 32 | 2.63 | 2.69 | 2.72 | 2.75 | 2.78 |
| Total | 2,000 | 1,833 | 1,851 | 1,861 | 1,870 | 527 | 479 | 479 | 479 | 479 | 3.79 | 3.82 | 3.86 | 3.88 | 3.89 |

Table 7.4-1 EXPORT OF THAI RICE BY MAIN IMPORTING COUNTRY

(Unit: ton)

| | 1982 | 1983 | 1984 | 1985 | 1986 |
|---|---|---|---|---|---|
| Asia | 1,290,998 | 1,300,753 | 1,656,054 | 1,071,105 | 1,026,710 |
| - Hong Kong | 115,163 | 147,244 | 156,883 | 172,995 | 179,614 |
| - Singapore | 174,182 | 185,914 | 212,627 | 194,973 | 248,877 |
| - Malaysia | 387,999 | 307,415 | 344,694 | 326,488 | 210,349 |
| - Indonesia | 181,212 | 334,621 | 20,423 | 50,476 | 21,537 |
| - China | 320,535 | 46,759 | 99,884 | 66,337 | 255,635 |
| - India | - | 221,251 | 277,975 | 272 | 1,500 |
| - Others | 111,907 | 57,549 | 544,468 | 259,564 | 109,220 |
| Middle East | 635,856 | 713,474 | 814,138 | 791,060 | 664,895 |
| - Saudi Arabia | 98,938 | 69,616 | 88,650 | 149,040 | 183,954 |
| - Syria | 70,262 | 45,623 | 131,016 | 94,106 | 63,610 |
| - Iran | 319,002 | 389,100 | 415,665 | 299,812 | 174,425 |
| - Others | 147,654 | 209,135 | 178,807 | 248,102 | 242,906 |
| Africa | 1,481,406 | 1,278,953 | 1,478,203 | 1,212,491 | 1,630,472 |
| - Nigeria | 185,834 | 486,835 | 170,522 | 297,623 | 40,360 |
| - Senegal | 309,404 | 271,465 | 326,018 | 65,490 | 218,303 |
| - Ivory Coast | 136,120 | 87,453 | 52,651 | 5,249 | 53,922 |
| - Madagascar | 268,819 | 124,260 | 233,674 | 98,638 | 162,990 |
| - Others | 581,229 | 308,940 | 695,338 | 745,491 | 1,154,897 |
| Europe | 172,153 | 199,980 | 314,084 | 556,588 | 509,566 |
| - Netherland | 23,928 | 47,350 | 108,690 | 154,825 | 127,885 |
| - U.S.S.R. | 40,500 | - | - | 193,883 | 169,437 |
| - Italy | 35,030 | 58,175 | 131,308 | 115,913 | 72,076 |
| - Others | 72,695 | 94,455 | 74,086 | 91,967 | 140,168 |
| America and Oceania | 43,444 | 211,772 | 281,710 | 373,825 | 491,202 |
| - Brazil | - | 105,538 | 55,545 | 156,876 | 289,025 |
| - Cuba | 21,000 | 68,000 | 53,005 | 80,663 | - |
| - U.S.A. | 15,090 | 18,434 | 29,859 | 54,732 | 65,003 |
| - Others | 7,354 | 19,800 | 143,301 | 81,554 | 137,174 |
| Total | 3,623,857 | 3,704,932 | 4,545,089 | 4,005,069 | 4,322,864 |

Data Source: Foreign Trade Department, Ministry of Commerce

Table 7.4-2 THAI RICE EXPORT - VOLUME, VALUE AND UNIT PRICE

| Month | 1984 | | | 1985 | | | 1986 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Volume (ton) | Value ($10^6$ Baht) | Unit Price (Baht/ton) | Volume (ton) | Value ($10^6$ Baht) | Unit Price (Baht/ton) | Volume (ton) | Value ($10^6$ Baht) | Unit Price (Baht/ton) |
| January | 318,235 | 1,807 | 5,678 | 408,360 | 2,414 | 5,911 | 320,719 | 1,469 | 4,580 |
| February | 384,788 | 2,174 | 5,650 | 426,381 | 2,524 | 5,920 | 491,274 | 2,218 | 4,515 |
| March | 490,066 | 2,617 | 5,340 | 377,624 | 2,199 | 5,823 | 596,339 | 2,729 | 4,576 |
| Total of 1st Quarter | 1,193,089 | 6,598 | 5,530 | 1,212,365 | 7,137 | 5,887 | 1,408,332 | 6,416 | 4,556 |
| April | 343,905 | 1,831 | 5,324 | 448,186 | 2,499 | 5,576 | 472,942 | 2,147 | 4,540 |
| May | 384,149 | 2,108 | 5,487 | 448,081 | 2,541 | 5,671 | 438,127 | 1,786 | 4,076 |
| June | 526,396 | 2,915 | 5,538 | 230,561 | 1,330 | 5,769 | 430,121 | 1,806 | 4,199 |
| Total of 2nd Quarter | 1,254,450 | 6,854 | 5,464 | 1,126,828 | 6,370 | 5,653 | 1,341,190 | 5,739 | 4,279 |
| Total of 1st Half Yr | 2,447,539 | 13,452 | 5,496 | 2,339,193 | 13,507 | 5,774 | 2,749,522 | 12,155 | 4,421 |
| July | 442,409 | 2,417 | 5,463 | 294,183 | 1,587 | 5,395 | 384,886 | 1,606 | 4,173 |
| August | 359,806 | 2,079 | 5,778 | 366,356 | 1,903 | 5,194 | 329,140 | 1,444 | 4,387 |
| September | 380,166 | 2,119 | 5,574 | 292,508 | 1,555 | 5,316 | 280,727 | 1,323 | 4,713 |
| Total of 3rd Quarter | 1,182,381 | 6,615 | 5,595 | 953,047 | 5,045 | 5,294 | 994,753 | 4,373 | 4,396 |
| October | 260,691 | 1,438 | 5,516 | 319,760 | 1,632 | 5,104 | 266,773 | 1,275 | 4,779 |
| November | 379,998 | 2,302 | 6,058 | 251,444 | 1,266 | 5,035 | 251,286 | 1,193 | 4,748 |
| December | 345,194 | 2,125 | 6,156 | 198,796 | 1,074 | 5,403 | 261,263 | 1,319 | 5,049 |
| Total of 4th Quarter | 985,883 | 5,865 | 5,949 | 770,000 | 3,972 | 5,158 | 779,322 | 3,787 | 4,859 |
| Total of 2nd Half Yr | 2,168,264 | 12,480 | 5,756 | 1,723,047 | 9,017 | 5,233 | 1,774,075 | 8,160 | 4,600 |
| GRAND TOTAL | 4,615,803 | 25,932 | 5,618 | 4,062,240 | 22,524 | 5,545 | 4,523,597 | 20,315 | 4,491 |

Data Source: Customs Department

Table 7.4-3 EXPORT OF THAI RICE BY KIND/QUALITY

(Unit: ton)

| Year | Kind/Quality of Rice | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | White Rice 100% | White Rice 5% | White Rice 10 - 20% | White Rice 25 - 45% | Special Hybrid | Broken Rice | Glutinous Rice | Unpolished Rice | Par Boiled Rice | Total |
| 1983 | 1,116,031 (30.12%) | 70,276 (1.90%) | 403,149 (10.89%) | 530,276 (14.31%) | 67,549 (1.82%) | 578,310 (15.61%) | 93,868 (2.53%) | 58,219 (1.57%) | 787,254 (21.25%) | 3,704,932 (100%) |
| 1984 | 1,306,359 (28.74%) | 81,467 (1.79%) | 292,377 (6.43%) | 558,315 (12.28%) | 175,369 (3.86%) | 951,462 (20.93%) | 76,258 (1.68%) | 144,589 (3.18%) | 958,893 (21.11%) | 4,545,089 (100%) |
| 1985 | 1,285,188 (32.09%) | 120,720 (3.01%) | 418,318 (10.44%) | 315,367 (7.87%) | 194,857 (4.87%) | 590,314 (14.74%) | 100,745 (2.52%) | 97,324 (2.43%) | 882,236 (22.03%) | 4,005,069 (100%) |
| 1986 | 1,082,869 (25.05%) | 226,444 (5.24%) | 569,809 (13.18%) | 602,524 (13.94%) | 28,220 (0.65%) | 950,372 (21.98%) | 120,531 (2.79%) | 34,963 (0.81%) | 707,132 (16.36%) | 4,322,864 (100%) |

Data Source: Foreign Trade Department, Ministry of Commerce

Table 7.4-4 FARM PRICE OF PADDY AND EXPORT PRICE OF WHITE RICE

| | Farm Price (Paddy, Bahts/ton) | | | | Export Price (5%, White Rice, US$/ton) | | | |
|---|---|---|---|---|---|---|---|---|
| | 1984 | 1985 | 1986 | 1987 | 1984 | 1985 | 1986 | 1987 |
| JANUARY | 2,933 | 2,755 | 2,461 | 2,249 | 257 | 224 | 238 | 198 |
| February | 2,831 | 2,696 | 2,349 | 2,416 | 253 | 220 | 228 | 205 |
| March | 2,906 | 2,807 | 2,260 | | 254 | 221 | 216 | |
| April | 2,962 | 2,840 | 2,123 | | 235 | 222 | 201 | |
| May | 2,942 | 2,876 | 2,171 | | 232 | 222 | 200 | |
| June | 3,001 | 2,926 | 2,231 | | 256 | 210 | 204 | |
| July | 3,240 | 2,903 | 2,424 | | 273 | 210 | 206 | |
| August | 3,369 | 2,930 | 2,742 | | 272 | 210 | 215 | |
| September | 3,289 | 2,829 | 2,649 | | 254 | 210 | 206 | |
| October | 3,171 | 2,834 | 2,540 | | 250 | 210 | 205 | |
| November | 3,023 | 2,797 | 2,525 | | 225 | 213 | 203 | |
| December | 2,764 | 2,646 | 2,256 | | 224 | n.a. | 200 | |
| Average | 2,942 | 2,820 | 2,394 | | 252 | 217 | 210 | |

Data Source: Farm Price: Ministry of Agriculture and Cooperatives
Export Price: Thai Rice Exporters Association

Table 7.4-5 MAIZE TRADING IN THE WORLD

(Unit: Million tons)

| | 1982/83 | 1983/84 | 1984/85 | 1985/86 | 1986/87[P] |
|---|---|---|---|---|---|
| Exporting | | | | | |
| U.S.A. | 47.5 | 47.3 | 46.7 | 31.5 | 28.6 |
| Argentina | 6.5 | 5.9 | 7.0 | 7.4 | 7.7 |
| South Africa | 2.3 | 0.1 | 0.2 | 1.4 | 2.0 |
| Thailand | 2.1 | 3.1 | 3.0 | 3.8 | 2.9 |
| China | 0.1 | 0.3 | 5.3 | 6.3 | 5.5 |
| Others | 4.9 | 4.0 | 4.3 | 4.3 | 5.5 |
| Total | 63.3 | 60.7 | 66.5 | 54.7 | 52.2 |
| Importing | | | | | |
| Mexico | 4.0 | 2.5 | 1.7 | 1.9 | 2.5 |
| E.E.C. | 11.9 | 10.2 | 9.0 | 4.9 | 3.2 |
| U.S.S.R. | 6.5 | 9.5 | 20.3 | 10.3 | 6.0 |
| Japan | 14.5 | 14.5 | 14.0 | 14.6 | 15.2 |
| East Europe | 3.3 | 1.9 | 1.4 | 2.4 | 2.6 |
| China | 2.4 | 0.1 | 0.1 | 0.4 | 1.3 |
| Taiwan | 3.2 | 3.0 | 3.1 | 3.1 | 3.3 |
| South Korea | 3.9 | 3.4 | 3.0 | 3.6 | 3.4 |
| Others | 13.6 | 15.6 | 13.0 | 13.6 | 14.6 |
| Total | 63.3 | 60.7 | 66.5 | 54.7 | 52.2 |

Note: [P] Preliminary

Data Source: World Grain Situation and Outlook, January 1987

Table 7.4-6 EXPORT OF THAI MAIZE BY MAIN IMPORTING COUNTRY

| Buying Count | 1984 | | | 1985 | | | 1986 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Quantity (ton) | Value (B×10⁶) | Price (B/t) | Quantity (ton) | Value (B×10⁶) | Price (B/t) | Quantity (ton) | Value (B×10⁶) | Price (B/t) |
| China | 33,663 | 115.6 | 3,434 | 66,500 | 228.4 | 3,435 | 590,525 | 1,442.1 | 2,409 |
| Hong Kong | 42,264 | 139.6 | 3,303 | 90,606 | 214.7 | 2,370 | 172,192 | 399.3 | 2,319 |
| Indonesia | 31,101 | 103.6 | 3,331 | 10,501 | 42.9 | 4,085 | 56,900 | 129.4 | 2,274 |
| Japan | 5,805 | 21.4 | 3,686 | 18,550 | 53.2 | 2,868 | 60,958 | 162.0 | 2,658 |
| Netherland | 97,350 | 321.3 | 3,300 | 41,859 | 107.4 | 2,566 | 35,118 | 88.1 | 2,509 |
| South Korea | 150,865 | 472.4 | 3,131 | 460,410 | 1,099.5 | 2,389 | 1,057,753 | 2,400.9 | 2,270 |
| Kuwait | 97,981 | 330.4 | 3,372 | 184,051 | 567.7 | 3,084 | 950 | 2.3 | 2,421 |
| Malaysia | 650,080 | 2,101.0 | 3,232 | 939,550 | 2,533.1 | 2,696 | 968,083 | 2,192.2 | 2,264 |
| Philippines | 39,650 | 133.4 | 3,364 | 141,703 | 459.0 | 3,239 | 3 | 0.0 | - |
| Saudi Arabia | 371,124 | 1,241.6 | 3,346 | 214,385 | 625.8 | 2,919 | 322,150 | 715.0 | 2,219 |
| Singapore | 406,601 | 1,279.4 | 3,147 | 357,331 | 960.5 | 2,688 | 339,620 | 716.0 | 2,108 |
| Taiwan | 50,658 | 145.4 | 2,870 | 4,622 | 15.1 | 3,239 | 36,894 | 99.1 | 2,686 |
| U.S.S.R. | 423,986 | 1,293.7 | 3,051 | - | - | - | - | - | - |
| Kenya | 387,193 | 1,233.1 | 3,185 | - | - | - | - | - | - |
| Mozanbique | 70,933 | 238.4 | 3,361 | 3,030 | 10.2 | 3,366 | - | - | - |
| Tanzania | 157,290 | 543.8 | 3,457 | 3,489 | 8.9 | 2,551 | 51,888 | 130.1 | 2,507 |
| Others | 127,559 | 429.3 | 3,366 | 274,932 | 775.1 | 2,819 | 320,209 | 784.2 | 2,449 |
| Total | 3,144,103 | 10,143.4 | 3,226 | 2,811,519 | 7,701.5 | 2,739 | 4,013,243 | 9,260.7 | 2,308 |

Data Source: Customs Department

Table 7.4-7 COMPARISON BETWEEN EXPORT AND IMPORT OF FRUITS

(Unit: 1,000 Baht)

| | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1985/1978 |
|---|---|---|---|---|---|---|---|---|---|
| Total Export Value (A) | 1,726,933 | 1,752,379 | 2,122,758 | 2,974,848 | 3,119,953 | 3,031,691 | 4,205,821 | 5,114,296 | 2.96 |
| Fresh | 179,632 | 214,641 | 274,653 | 425,909 | 657,065 | 524,889 | 567,136 | 684,791 | 3.81 |
| 1. Orange and Tangerine | 16,811 | 8,848 | 14,735 | 13,997 | 36,891 | 32,558 | 31,371 | 41,020 | 2.44 |
| 2. Pomelo | 12,784 | 13,674 | 18,422 | 17,064 | 26,906 | 27,346 | 21,157 | 40,451 | 3.16 |
| 3. Lemon and Limes | 669 | 1,558 | 492 | 1,774 | 2,359 | 2,202 | 4,432 | 4,416 | 6.60 |
| 4. Grape | 20,123 | 23,895 | 18,079 | 27,027 | 37,747 | 20,539 | 11,643 | 18,228 | 0.91 |
| 5. Banana | 30,085 | 31,939 | 28,923 | 43,470 | 51,079 | 25,069 | 22,959 | 22,789 | 0.76 |
| 6. Mangoes | 13,807 | 19,388 | 19,444 | 21,155 | 32,541 | 20,876 | 31,256 | 57,170 | 4.14 |
| 7. Longans | 34,891 | 55,767 | 92,186 | 154,284 | 297,458 | 207,154 | 250,456 | 163,362 | 4.68 |
| 8. Durians | 23,371 | 31,172 | 37,606 | 83,406 | 58,381 | 64,443 | 67,685 | 171,851 | 7.35 |
| 9. Papayas | 10,669 | 15,352 | 15,762 | 35,161 | 68,499 | 82,456 | 68,390 | 36,777 | 3.45 |
| 10. Rambutans | 1,761 | 1,760 | 1,259 | 3,746 | 3,979 | 3,554 | 3,951 | 11,382 | 6.46 |
| 11. Pineapples | 427 | 59 | 193 | 344 | 4,484 | 2,617 | 579 | 75,092 | 175.86 |
| 12. Sugar apples | 6,023 | 4,546 | 5,517 | 10,051 | 12,573 | 5,590 | 12,028 | 13,385 | 2.22 |
| 13. Lichee | - | - | - | - | - | - | 20,863 | 6,549 | - |
| 14. Others | 8,283 | 6,683 | 22,035 | 14,430 | 24,168 | 30,485 | 20,366 | 22,319 | 2.69 |
| Processed | 1,547,301 | 1,537,738 | 1,848,105 | 2,548,939 | 2,462,888 | 2,506,802 | 3,638,685 | 4,429,505 | 2.86 |
| 1. Pineapple, canned | 1,201,399 | 1,243,625 | 1,432,243 | 2,039,016 | 1,993,297 | 1,871,322 | 2,846,212 | 3,290,961 | 2.74 |
| 2. Pineapple, dried | 3,356 | 3,374 | 3,226 | - | 2,287 | 20,193 | 13,785 | 9,108 | 2.71 |
| 3. Pineapple, juice | 44,294 | 137,560 | 251,637 | 160,292 | 90,633 | 95,936 | 122,096 | 309,982 | 7.00 |
| 4. Rambutan, canned | 3,599 | 6,140 | 10,067 | 16,018 | 18,259 | 28,826 | 26,904 | 21,585 | 6.00 |
| 5. Longan, canned | 2,943 | 3,191 | 6,844 | 14,580 | 30,360 | 59,361 | 42,185 | 38,252 | 13.00 |
| 6. Rambutan with pineapple, canned | 13,395 | 11,300 | 12,390 | 33,912 | 30,489 | 34,967 | 20,988 | 28,804 | 2.15 |
| 7. Cashew nuts | 340 | 5,207 | 21,797 | 56,760 | 53,022 | 5,734 | 82,093 | 16,669 | 49.03 |
| 8. Mangoes, canned | 250 | 614 | 1,895 | 3,007 | 4,843 | 5,345 | 7,129 | 8,613 | 34.45 |
| 9. Banana, dried | 431 | 873 | 849 | 1,061 | 1,805 | 1,368 | 1,681 | 1,395 | 3.24 |
| 10. Fruits, frozen | 256,909 | 91,046 | 66,163 | 109,832 | 107,908 | 134,824 | 179,441 | 158,717 | 0.62 |
| 11. Others | 20,388 | 34,862 | 41,004 | 114,461 | 129,985 | 248,926 | 296,171 | 545,419 | 26.75 |
| Total Import Value (B) | 34,254 | 36,449 | 102,560 | 149,430 | 155,461 | 224,948 | 244,876 | 271,762 | 7.93 |
| Fresh | 12,792 | 1,509 | 21,881 | 105,304 | 110,244 | 169,996 | 188,781 | 140,533 | 10.99 |
| Processed | 21,462 | 34,940 | 80,679 | 44,126 | 45,217 | 54,952 | 56,095 | 131,229 | 6.11 |
| Balance of Fruit Trade (A) - (B) | 1,692,679 | 1,715,930 | 2,020,198 | 2,825,418 | 2,964,492 | 2,806,743 | 3,960,945 | 4,842,543 | 2.86 |

Source: Agricultural Statisitcs of Thailand

Table 7.4-8 EXPORT QUANTITY OF FRUITS

(Unit: Tons)

| | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1985/1978 |
|---|---|---|---|---|---|---|---|---|---|
| Fresh | 43,441 | 42,800 | 37,279 | 47,535 | 62,632 | 51,105 | 45,672 | 57,281 | 1.32 |
| 1. Oranges | 4,495 | 1,432 | 1,408 | 1,226 | 4,276 | 4,360 | 4,031 | 5,816 | 1.29 |
| 2. Mandarine tangerines | 76 | 58 | 286 | 563 | 790 | 199 | 181 | 358 | 4.71 |
| 3. Pomelos | 2,130 | 1,996 | 2,229 | 2,033 | 2,763 | 2,657 | 2,780 | 4,505 | 2.12 |
| 4. Lemon and limes | 49 | 173 | 41 | 196 | 333 | 188 | 430 | 452 | 9.22 |
| 5. Grape | 1,911 | 2,089 | 1,562 | 1,368 | 1,994 | 1,343 | 918 | 1,473 | 0.77 |
| 6. Banana | 19,170 | 19,202 | 12,724 | 16,196 | 18,388 | 9,655 | 4,403 | 3,987 | 0.21 |
| 7. Mangoes | 3,171 | 3,266 | 3,275 | 3,063 | 4,118 | 2,538 | 3,175 | 8,311 | 2.62 |
| 8. Water melon | 539 | 568 | 343 | 561 | 700 | 950 | 853 | 954 | 1.77 |
| 9. Longans | 1,971 | 3,286 | 3,684 | 5,517 | 10,346 | 7,320 | 8,802 | 4,942 | 2.51 |
| 10. Durians | 2,478 | 3,096 | 3,516 | 4,361 | 2,346 | 2,819 | 3,470 | 9,784 | 3.95 |
| 11. Papayas | 4,511 | 6,038 | 5,332 | 9,575 | 12,444 | 16,393 | 12,590 | 5,815 | 1.29 |
| 12. Rambutans | 304 | 233 | 116 | 412 | 523 | 273 | 341 | 1,169 | 3.85 |
| 13. Pineapples | 94 | 6 | 36 | 33 | 318 | 249 | 45 | 6,065 | 64.52 |
| 14. Sugar apple | 1,120 | 785 | 727 | 1,380 | 1,705 | 845 | 1,211 | 1,706 | 1.52 |
| 15. Lichee | - | - | - | - | - | - | 559 | 184 | - |
| 16. Others | 1,422 | 572 | 2,000 | 1,050 | 1,588 | 1,308 | 1,883 | 1,760 | 1.24 |
| Processed | 144,731 | 144,162 | 160,120 | 194,203 | 178,407 | 167,198 | 227,151 | 241,845 | 1.67 |
| 1. Fruits, frozen | 23,197 | 10,737 | 6,531 | 11,362 | 11,213 | 12,111 | 15,065 | 10,658 | 0.46 |
| 2. Cashew nut, unshelled | 80 | 775 | 1,619 | 3,228 | 3,026 | 331 | 2,305 | 802 | 10.03 |
| 3. Cashew nut, shelled | - | 15 | 111 | 16 | 347 | 80 | 2,373 | 104 | - |
| 4. Banana, dried | 12 | 37 | 17 | 23 | 32 | 33 | 48 | 34 | 2.83 |
| 5. Pineapple, dried | 49 | 193 | 105 | - | 77 | 473 | 315 | 199 | 4.06 |
| 6. Pineapple, canned | 113,859 | 117,305 | 127,008 | 161,591 | 150,242 | 135,795 | 186,276 | 192,964 | 1.69 |
| 7. Rambutan, canned | 195 | 269 | 418 | 501 | 656 | 985 | 1,178 | 768 | 3.94 |
| 8. Longan, canned | 143 | 100 | 173 | 359 | 906 | 1,712 | 1,225 | 1,062 | 7.43 |
| 9. Mangoes, canned | 28 | 49 | 108 | 145 | 220 | 233 | 334 | 368 | 13.14 |
| 10. Others, canned | 207 | 176 | 513 | 815 | 1,328 | 1,692 | 2,318 | 3,558 | 17.19 |
| 11. Pineapple juice | 4,540 | 12,223 | 21,134 | 11,116 | 5,697 | 5,609 | 6,778 | 17,451 | 3.84 |
| 12. Other fruits juice | 21 | 21 | 63 | 63 | 84 | 135 | 242 | 707 | 33.67 |
| 13. Others | 2,400 | 2,262 | 2,320 | 4,984 | 4,579 | 8,009 | 8,694 | 13,370 | 5.57 |
| Total | 188,172 | 186,962 | 197,399 | 241,738 | 241,039 | 218,303 | 272,823 | 299,126 | 1.59 |

Source: Agricultural Statistics of Thailand

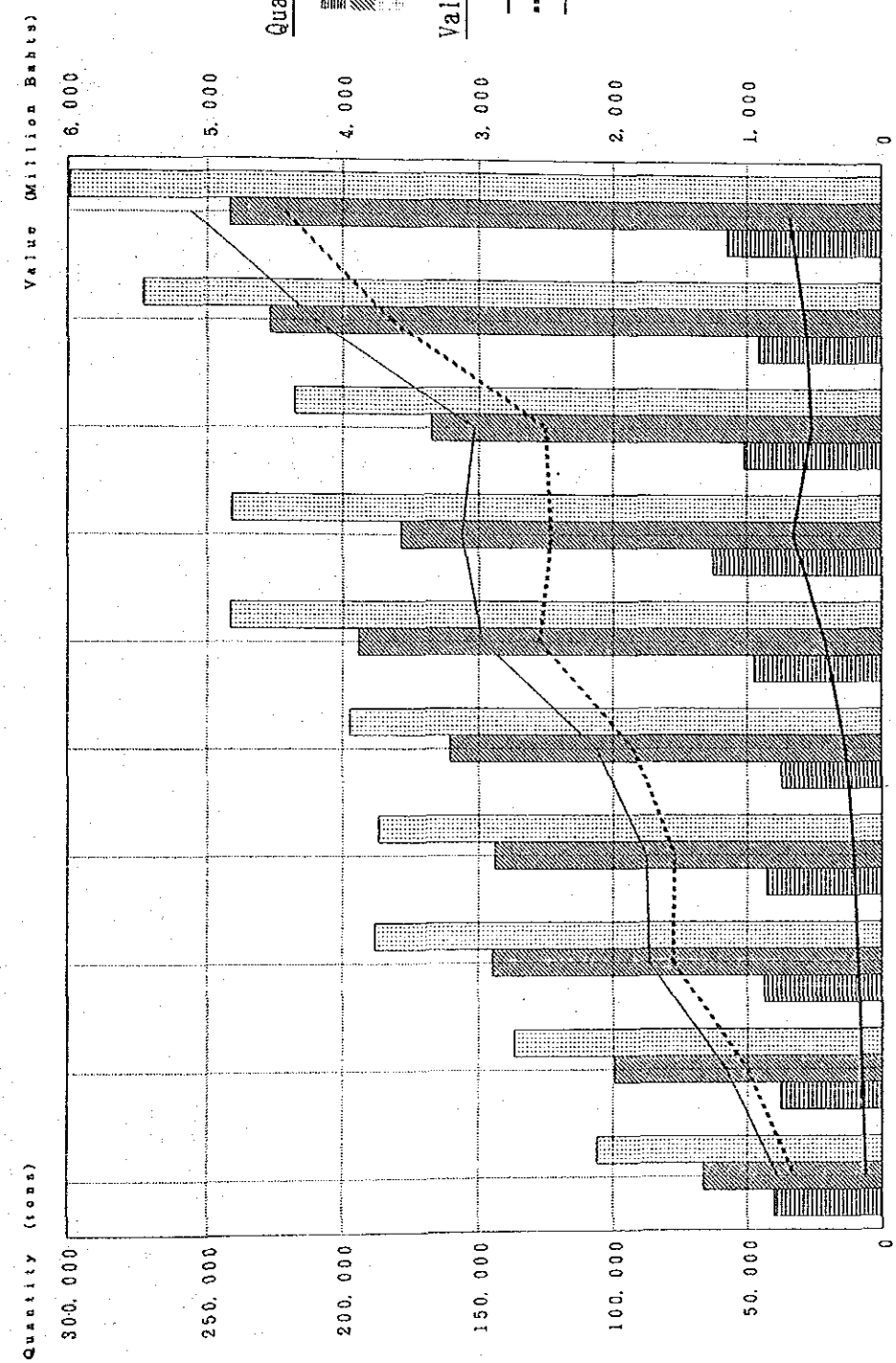



Figure 7.4-1 QUANTITY AND VALUE OF FRUITS EXPORT

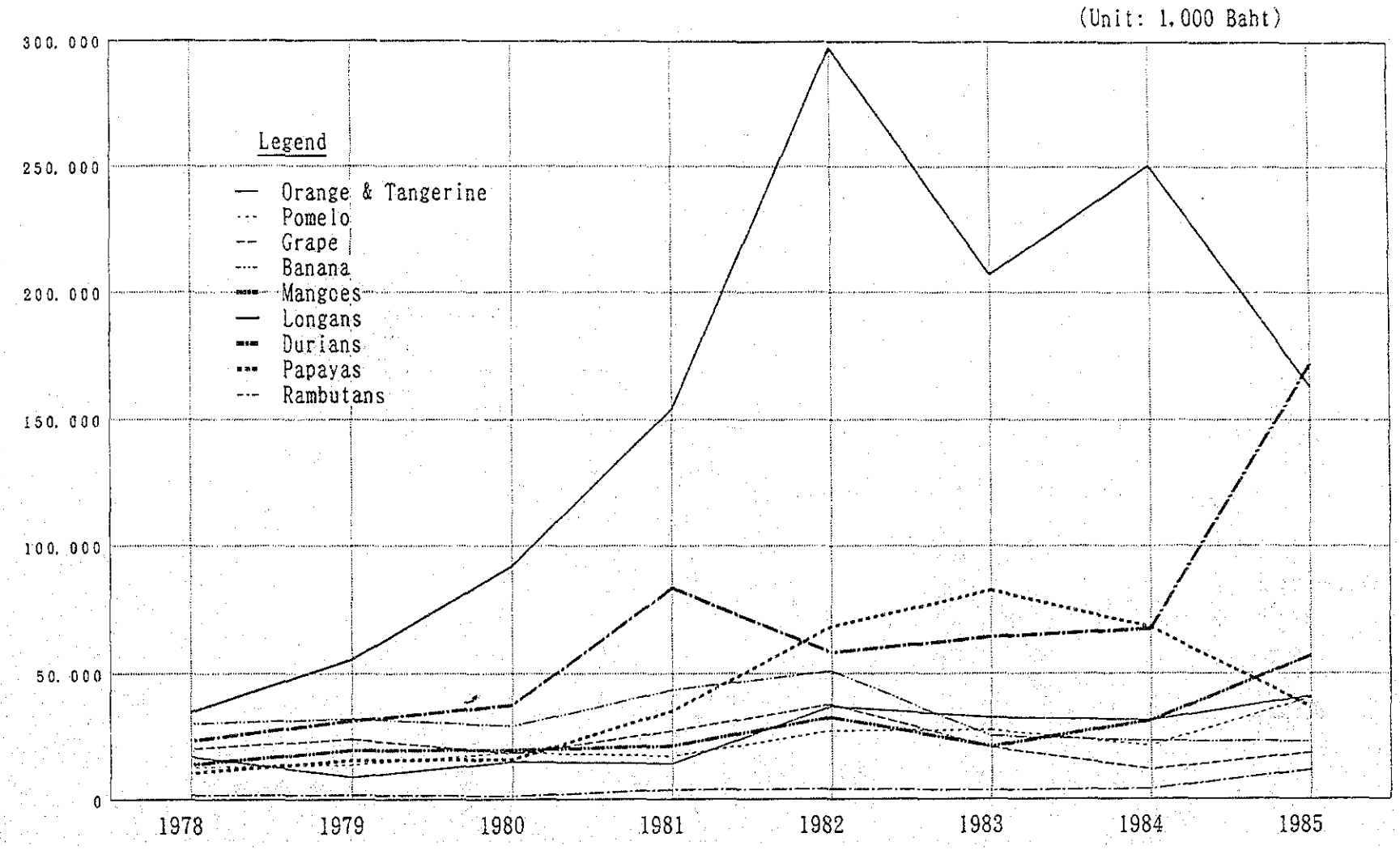



Figure 7.4-2 EXPORT VALUE OF FRESH FRUITS

Table 7.4-9 COMPARISON BETWEEN EXPORT AND IMPORT OF GARDEN CROPS AND PRODUCTS

| | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1985/1981 |
|---|---|---|---|---|---|---|---|---|---|
| Export Quantity (tons) | | | | | | | | | |
| 1. Bamboo Shoot, fresh | 4 | 79 | 119 | 35 | 231 | 289 | 339 | 761 | 21.70 |
| 2. Onion, Shallot, Garlic, etc. | 14 | - | 1 | 203 | 1,946 | 6,144 | 7,715 | 7,872 | 38.80 |
| 3. Vegetables, fresh | 16,957 | 11,877 | 10,352 | 15,900 | 13,514 | 16,684 | 17,120 | 12,675 | 0.80 |
| 4. Vegetables, chilled, frozen | 281 | 170 | 37 | 348 | 2,341 | 65 | 194 | 127 | 0.36 |
| 5. Vegetables, dried | 316 | 367 | 717 | 676 | 375 | 266 | 699 | 650 | 0.96 |
| 6. Mushroom, dried | 32 | 26 | 18 | 24 | 47 | 26 | 38 | 63 | 2.63 |
| 7. Shallot, dried | 3,141 | 6,985 | 8,162 | 7,381 | 3,359 | 2,875 | 1,754 | 4,360 | 0.59 |
| 8. Onion, dried | 748 | 811 | 102 | 94 | 9 | 434 | 378 | 787 | 8.37 |
| 9. Garlic, dried | 211 | 208 | 11 | 1 | 1 | 1 | 1 | 21 | 21.00 |
| 10. Young Corn in A.T.C.*1 | 489 | 866 | 916 | 1,229 | 1,521 | 4,014 | 4,482 | 6,281 | 5.11 |
| 11. Vegetables, preserved in A.T.C.*1 | 1,563 | 1,706 | 2,396 | 2,680 | 5,100 | 6,643 | 9,166 | 16,737 | 6.25 |
| 12. Vegetables, preserved not in A.T.C.*1 | 6,365 | 7,302 | 3,819 | 5,741 | 12,237 | 19,263 | 21,076 | 23,606 | 4.11 |
| 13. Vegetable Juice | 1 | 1 | 67 | - | - | 1 | 9 | 68 | - |
| 14. Potatoes | 1,553 | 656 | 275 | 190 | 3 | 190 | 14 | 210 | 1.10 |
| 15. Tomatoes, fresh or frozen | 6 | - | 3 | 123 | 173 | 1,360 | 2,123 | 3,270 | 26.59 |
| 16. Ginger, grey & white | 1,836 | 1,431 | 1,239 | 5,152 | 7,331 | 6,584 | 5,017 | 4,400 | 0.85 |
| Total Export | | | | | | | | | |
| Quantity (tons) | 34,443 | 33,330 | 28,738 | 40,663 | 49,055 | 65,874 | 71,065 | 83,129 | 2.04 |
| Value (B 1,000) (1) | 175,764 | 210,845 | 204,841 | 313,797 | 506,740 | 667,440 | 719,559 | 953,281 | 3.03 |
| Total Import | | | | | | | | | |
| Quantity (tons) | 11,817 | 8,919 | 12,288 | 10,630 | 11,205 | 5,853 | 7,749 | 5,350 | 0.50 |
| Value (B 1,000) (2) | 162,544 | 135,161 | 206,397 | 228,323 | 201,216 | 187,450 | 226,850 | 201,251 | 0.88 |
| Balance (B 1,000) | | | | | | | | | |
| (1) - (2) | 13,220 | 75,684 | - 1,566 | 85,474 | 305,524 | 479,990 | 492,709 | 752,030 | 8.80 |

Note: *1 A.T.C.: Airtight Container
Source: Agricultural Statistics of Thailand

Table 7.4-10 IMPORT QUANTITY OF FOODS AND PRODUCTS

(Unit: Tons)

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1985/1979 |
|---|---|---|---|---|---|---|---|---|
| 1. Duram wheat | 20,201 | 200 | 10 | 10,724 | 13,178 | 11,897 | 28,379 | 1.40 |
| 2. Wheat | 129,921 | 201,224 | 189,308 | 116,417 | 156,394 | 116,523 | 100,021 | 0.77 |
| 3. Barley | 20 | 17 | 7 | 132 | - | 3 | - | - |
| 4. Sorghum | 18 | 74 | 204 | 133 | 123 | 722 | 1,501 | 83.39 |
| 5. Millet | 571 | 629 | 1,201 | 1,175 | 908 | 1,032 | 567 | 0.99 |
| 6. Maize | 92 | 136 | 270 | 1,122 | 815 | 942 | 18,520 | 201.30 |
| 7. Wheat flour | 13,335 | 7,178 | 10,406 | 16,654 | 38,293 | 29,032 | 29,805 | 2.24 |
| 8. Malt | 28,602 | 23,564 | 17,024 | 20,576 | 30,111 | 31,406 | 21,473 | 0.75 |
| 9. Soybean oil | 3,865 | 14,232 | 14,676 | 10,445 | 20,554 | 46,710 | 13,657 | 3.53 |
| 10. Palm oil | 16,347 | 66,997 | 28,660 | 10,939 | 14,908 | 8,579 | 4,428 | 0.27 |
| 11. Sunflower oil | 22 | 51 | 1 | 1 | 11 | - | 26 | 1.18 |
| 12. Castor oil | 123 | 76 | 64 | 21 | 10 | 21 | 33 | 0.27 |
| 13. Sesame oil | 54 | 77 | 64 | 58 | 32 | 39 | 26 | 0.48 |
| 14. Linseed oil | 1,168 | 386 | 567 | 525 | 1,047 | 943 | 319 | 0.27 |
| 15. Maize or corn oil | 167 | 409 | 323 | 159 | 169 | 1,199 | 254 | 1.52 |
| 16. Chilli dried | 938 | 221 | 1,474 | 2,154 | 2,901 | 1,095 | 1,876 | 2.00 |
| 17. Bovine meat, fresh, chilled, frozen | 87 | 60 | 76 | 80 | 101 | 141 | 176 | 2.02 |
| 18. Chicken, - ditto - | - | 6 | 5 | 1 | 8 | 2 | 8 | - |
| 19. Sheep meat, - ditto - | 23 | 15 | 22 | 26 | 38 | 48 | 32 | 1.39 |
| 20. Meat of fowls & ducks, - ditto - | 16 | 6 | 15 | 14 | 17 | 25 | 15 | 0.94 |
| 21. Edible offals | 32 | 22 | 35 | 25 | 54 | 88 | 39 | 1.22 |
| 22. Cream, canned | 10 | 14 | 28 | 17 | 41 | - | 27 | 2.70 |
| 23. Modified milk powder for infant | 10,610 | 9,826 | 13,663 | 12,101 | 11,934 | 12,294 | 11,337 | 1.07 |
| 24. Whole milk powder | 1,809 | 1,422 | 2,417 | 1,278 | 3,650 | 4,856 | 5,270 | 2.91 |
| 25. Skim milk powder | 29,016 | 24,545 | 27,564 | 17,066 | 29,243 | 29,381 | 25,840 | 0.89 |
| 26. Milk powder | 1,285 | 509 | 1,400 | 137 | 1,543 | 1,261 | 2,061 | 1.60 |
| 27. Butter fat | 4,589 | 4,477 | 4,432 | 2,844 | 4,401 | 3,899 | 4,549 | 0.99 |
| 28. Butter, not canned | 18 | 59 | 115 | 30 | 20 | 75 | 86 | 4.78 |
| 29. Butter, canned | 147 | 91 | 69 | 35 | 75 | 82 | - | - |
| 30. Ghee | 52 | 210 | 103 | 254 | 228 | 614 | 70 | 1.35 |
| 31. Cheese and curd | 196 | 228 | 199 | 289 | 284 | 339 | 399 | 2.04 |
| 32. Other milk foods | 52 | 2 | 20 | 105 | 996 | 2,041 | 1,512 | 29.08 |

Source: Agricultural Statistics of Thailand

Figure 7.5-1 Organization of Governmental Agencies

Organization Chart of the Office of the Prime Minister

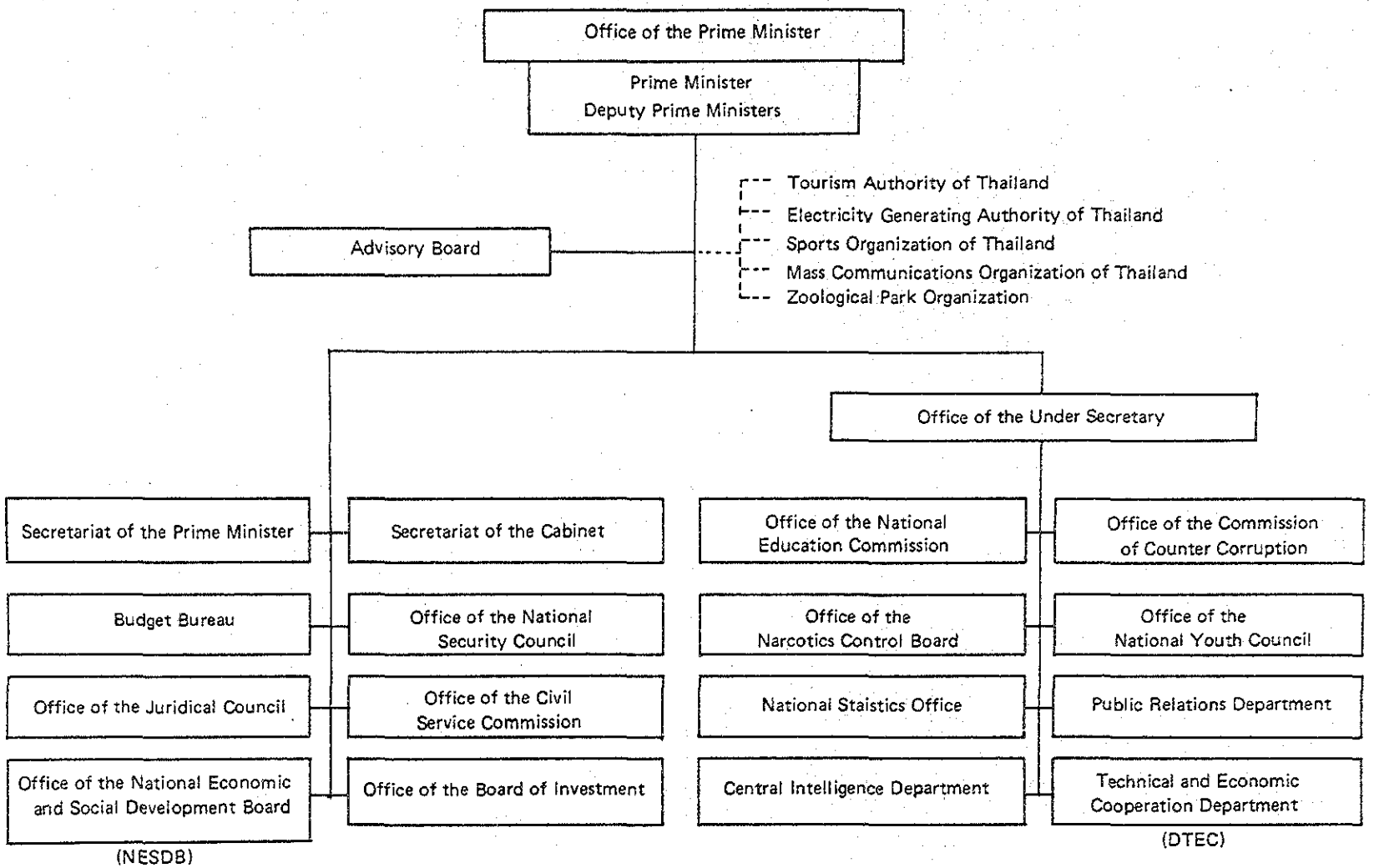


Figure 7.5-2 Organization Chart of NESDB and DTEC

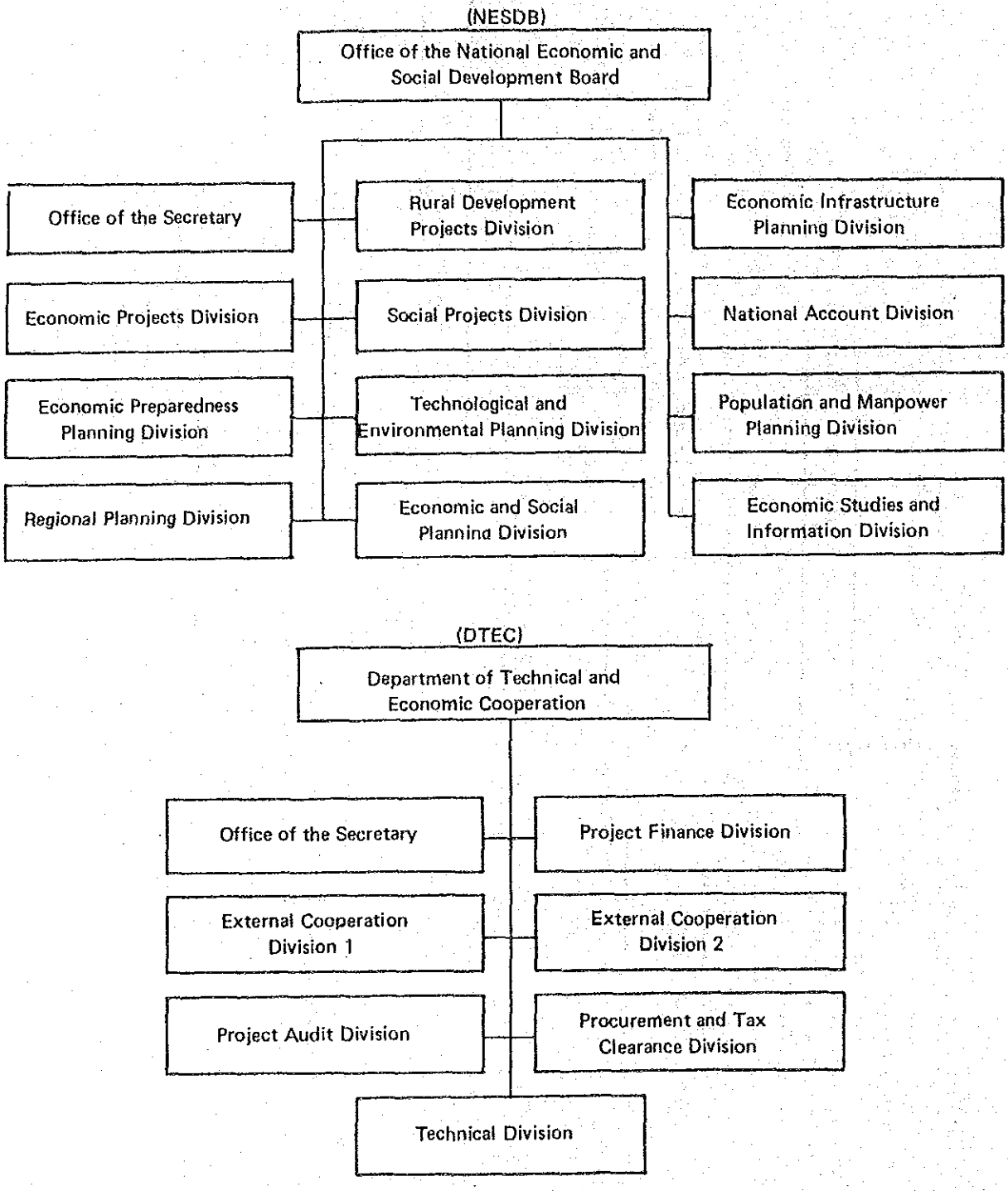
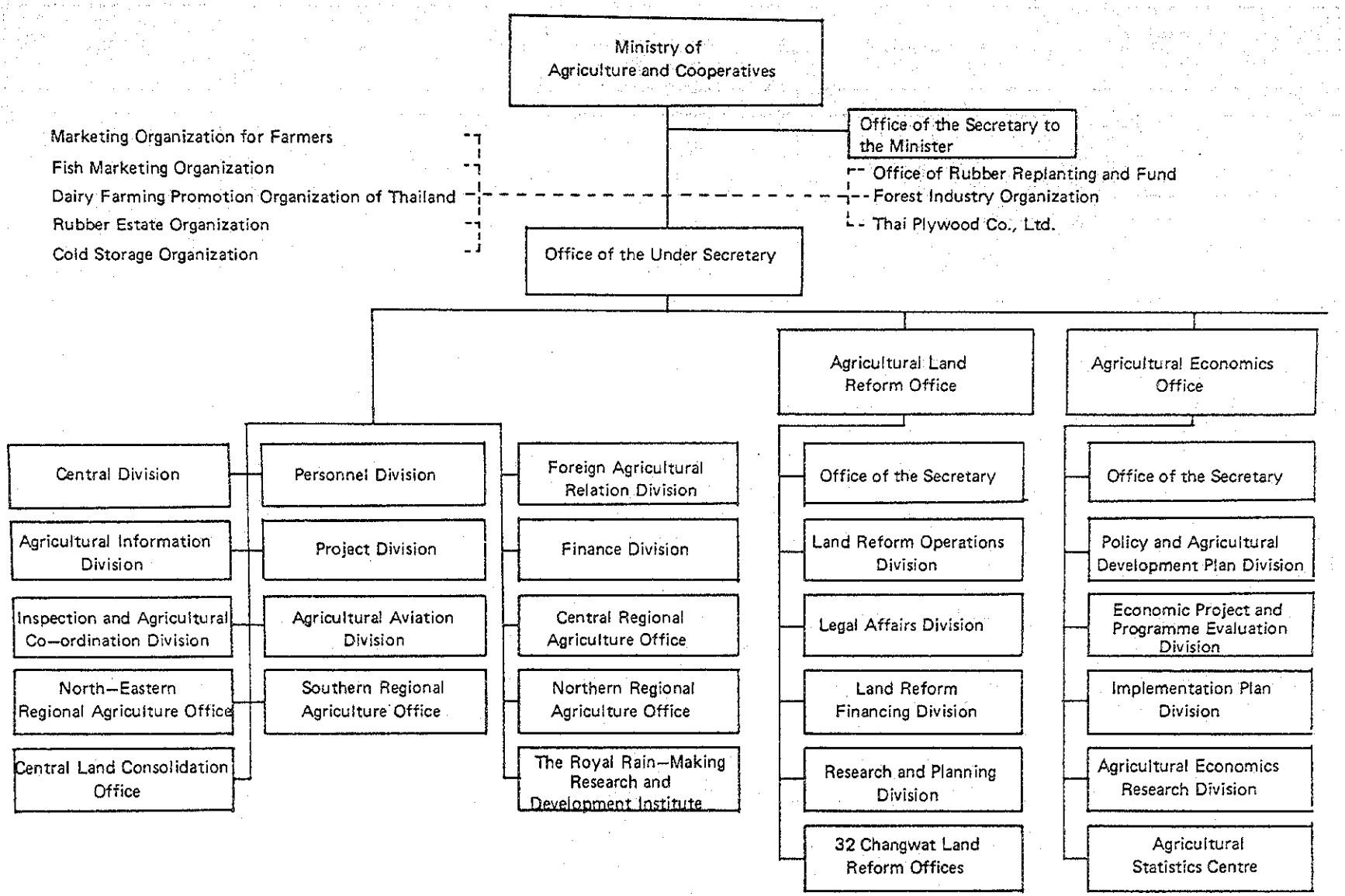
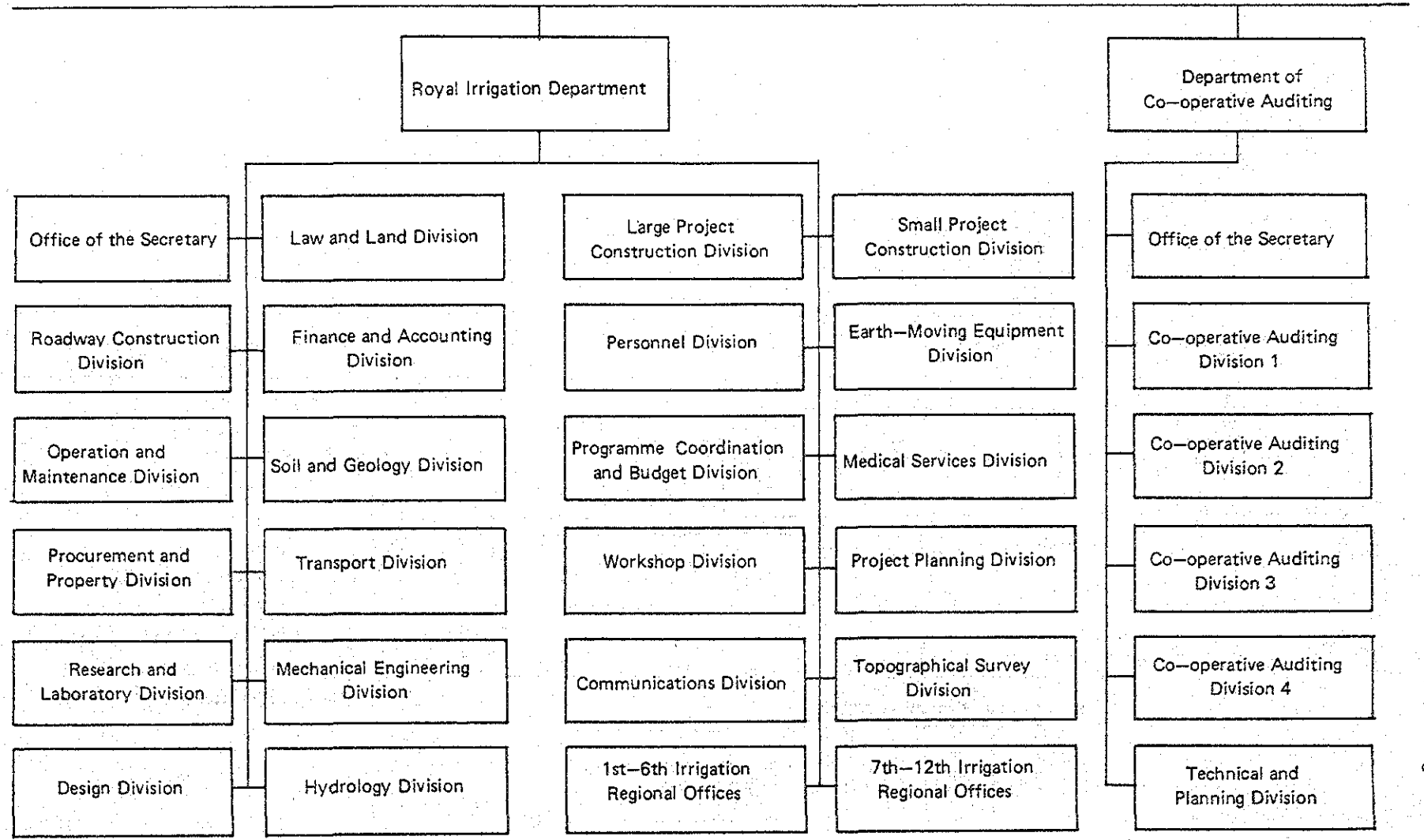
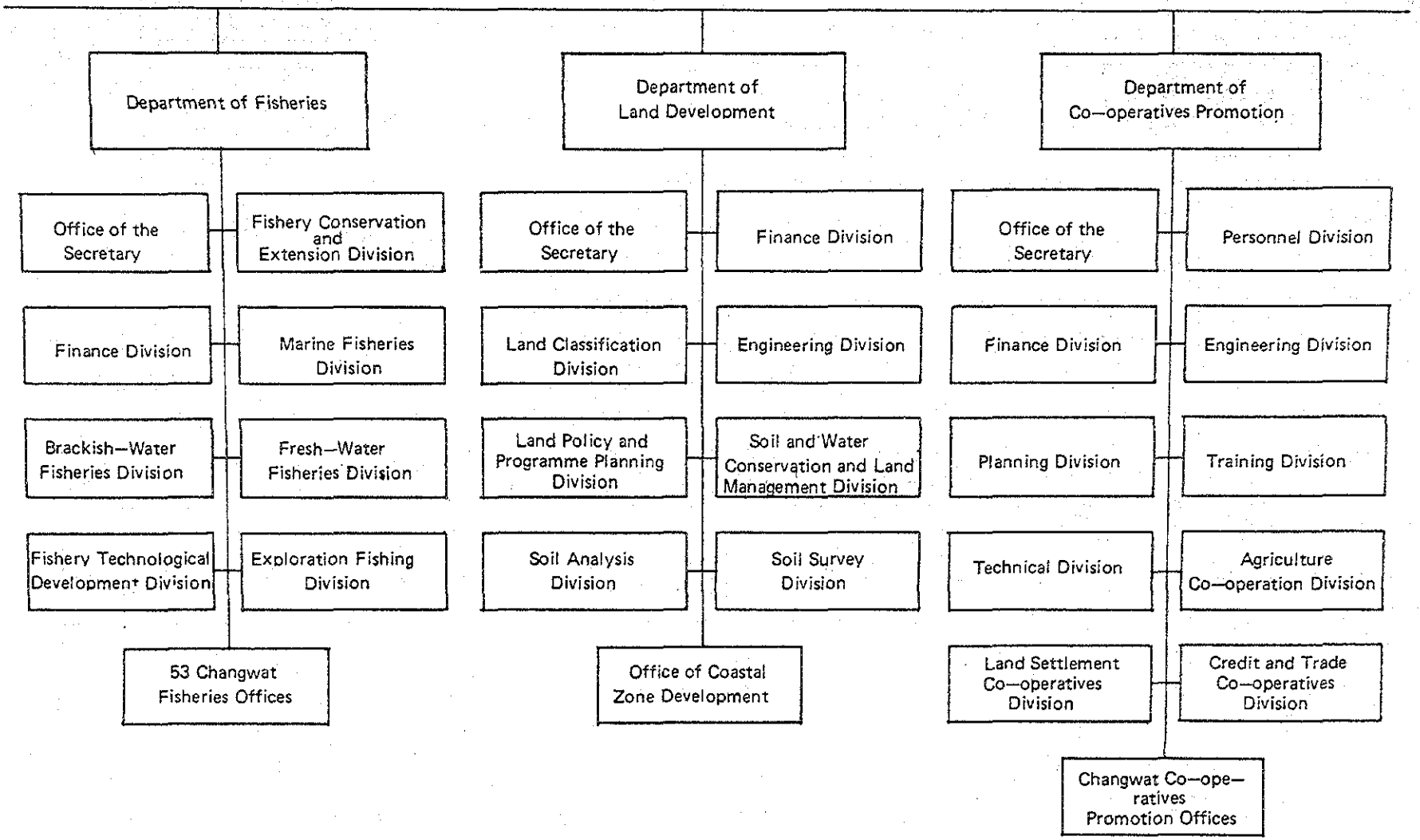
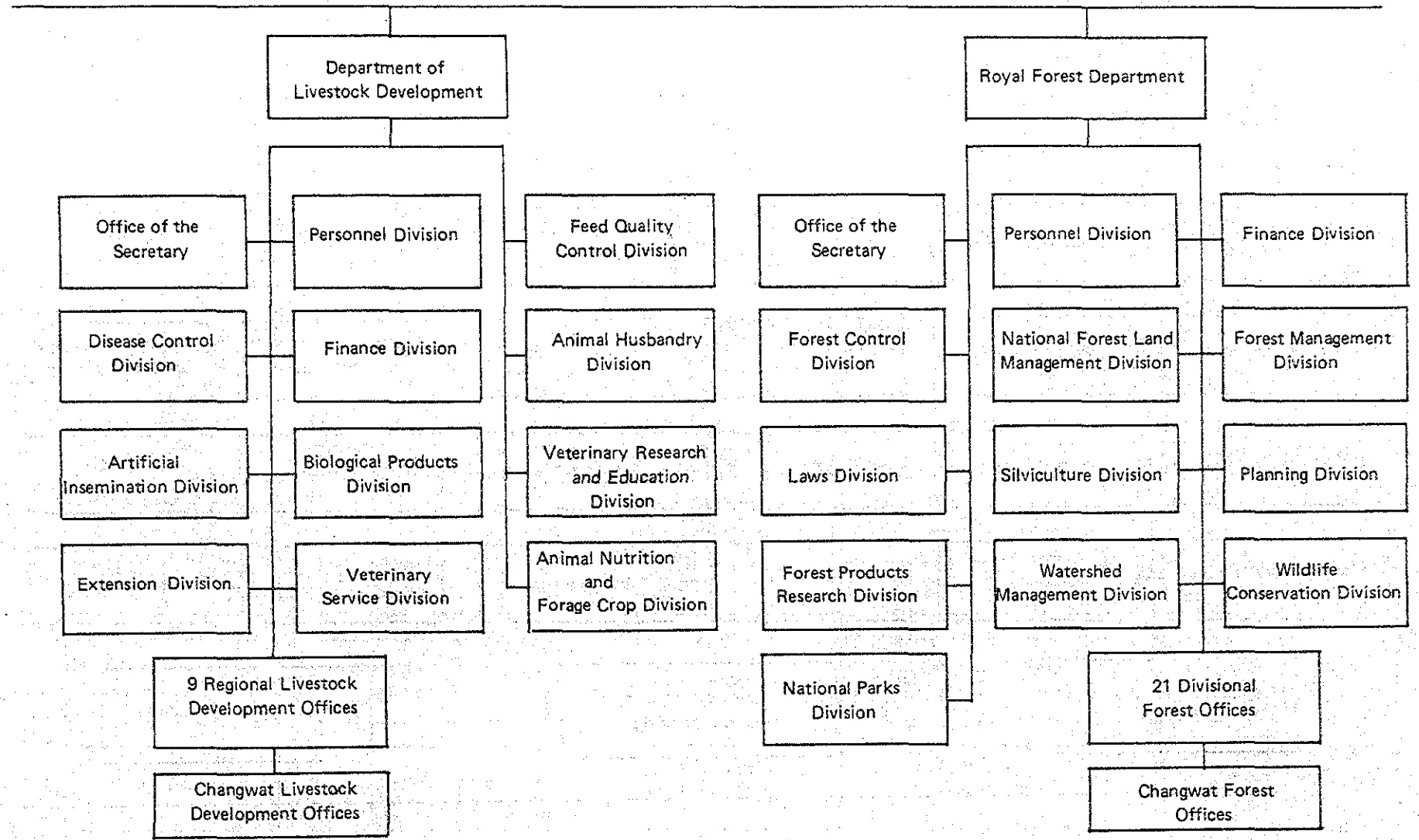


Figure 7.5-3 Organization Chart of MOAC




Royal Irrigation Department
Department of Co–operative Auditing
Office of the Secretary
Law and Land Division
Large Project Construction Division
Small Project Construction Division
Office of the Secretary
Roadway Construction Division
Finance and Accounting Division
Personnel Division
Earth–Moving Equipment Division
Co–operative Auditing Division 1
Operation and Maintenance Division
Soil and Geology Division
Programme Coordination and Budget Division
Medical Services Division
Co–operative Auditing Division 2
Procurement and Property Division
Transport Division
Workshop Division
Project Planning Division
Co–operative Auditing Division 3
Research and Laboratory Division
Mechanical Engineering Division
Communications Division
Topographical Survey Division
Co–operative Auditing Division 4
Design Division
Hydrology Division
1st–6th Irrigation Regional Offices
7th–12th Irrigation Regional Offices
Technical and Planning Division


Department of Fisheries
Office of the Secretary
Fishery Conservation and Extension Division
Finance Division
Marine Fisheries Division
Brackish–Water Fisheries Division
Fresh–Water Fisheries Division
Fishery Technological Development Division
Exploration Fishing Division
53 Changwat Fisheries Offices
Department of Land Development
Office of the Secretary
Finance Division
Land Classification Division
Engineering Division
Land Policy and Programme Planning Division
Soil and Water Conservation and Land Management Division
Soil Analysis Division
Soil Survey Division
Office of Coastal Zone Development
Department of Co–operatives Promotion
Office of the Secretary
Personnel Division
Finance Division
Engineering Division
Planning Division
Training Division
Technical Division
Agriculture Co–operation Division
Land Settlement Co–operatives Division
Credit and Trade Co–operatives Division
Changwat Co–operatives Promotion Offices


Department of Livestock Development
Office of the Secretary
Personnel Division
Feed Quality Control Division
Disease Control Division
Finance Division
Animal Husbandry Division
Artificial Insemination Division
Biological Products Division
Veterinary Research and Education Division
Extension Division
Veterinary Service Division
Animal Nutrition and Forage Crop Division
9 Regional Livestock Development Offices
Changwat Livestock Development Offices
Royal Forest Department
Office of the Secretary
Personnel Division
Finance Division
Forest Control Division
National Forest Land Management Division
Forest Management Division
Laws Division
Silviculture Division
Planning Division
Forest Products Research Division
Watershed Management Division
Wildlife Conservation Division
National Parks Division
21 Divisional Forest Offices
Changwat Forest Offices

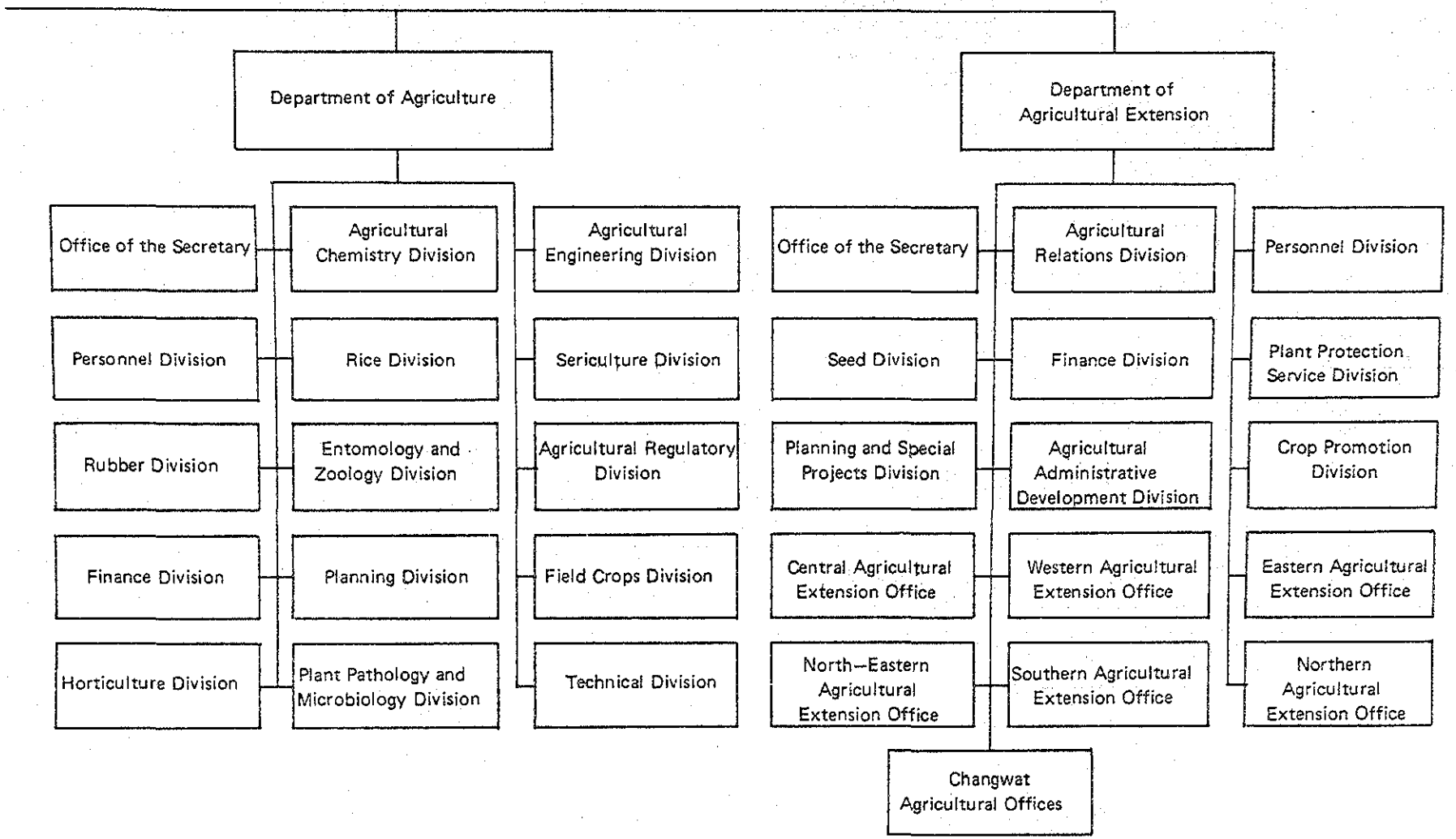

Department of Agriculture
Office of the Secretary
Agricultural Chemistry Division
Agricultural Engineering Division
Personnel Division
Rice Division
Sericulture Division
Rubber Division
Entomology and Zoology Division
Agricultural Regulatory Division
Finance Division
Planning Division
Field Crops Division
Horticulture Division
Plant Pathology and Microbiology Division
Technical Division
Department of Agricultural Extension
Office of the Secretary
Agricultural Relations Division
Personnel Division
Seed Division
Finance Division
Plant Protection Service Division
Planning and Special Projects Division
Agricultural Administrative Development Division
Crop Promotion Division
Central Agricultural Extension Office
Western Agricultural Extension Office
Eastern Agricultural Extension Office
North–Eastern Agricultural Extension Office
Southern Agricultural Extension Office
Northern Agricultural Extension Office
Changwat Agricultural Offices

Figure 7.5-4 Organization of Royal Irrigation Department

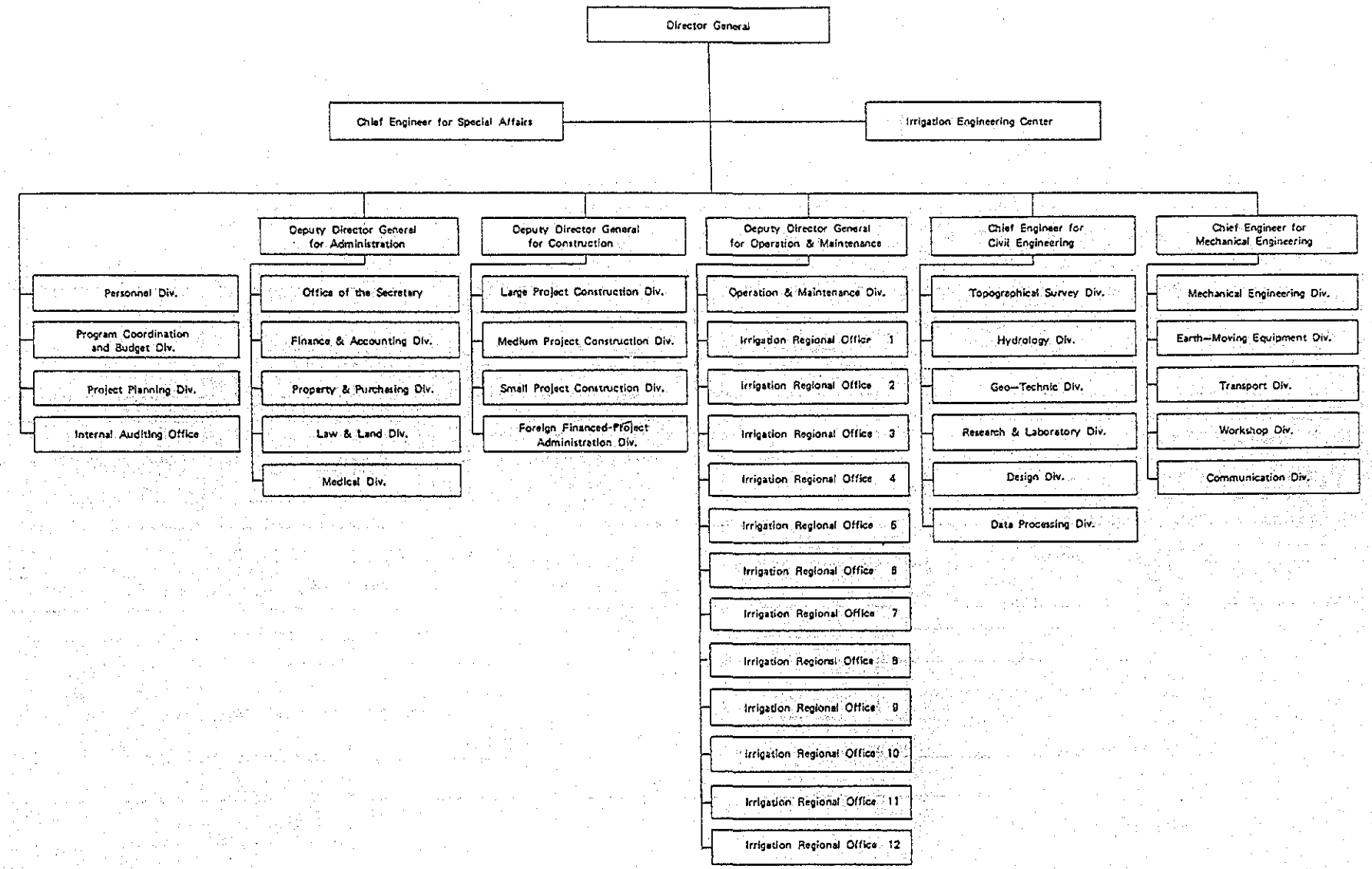


Figure 7.5-5 Organization Chart of the Ministry of Interior

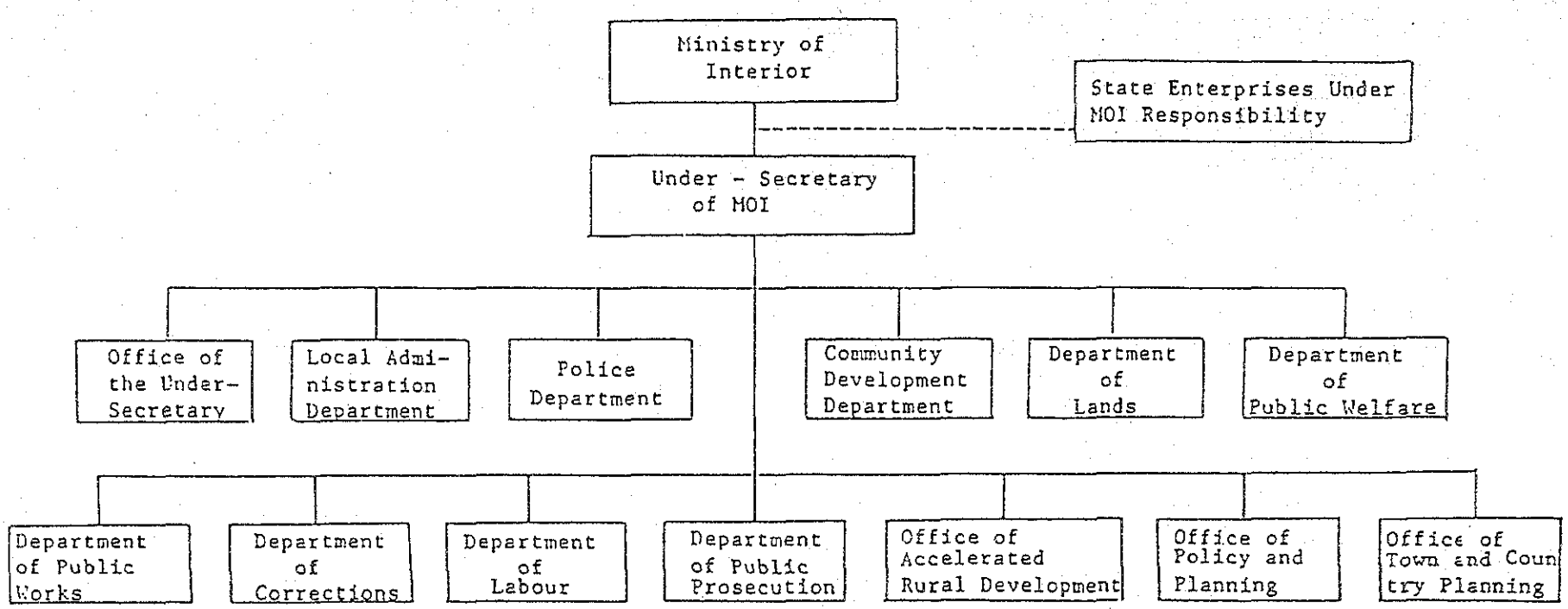


Figure 7.5-6 Organization Chart of BAAC

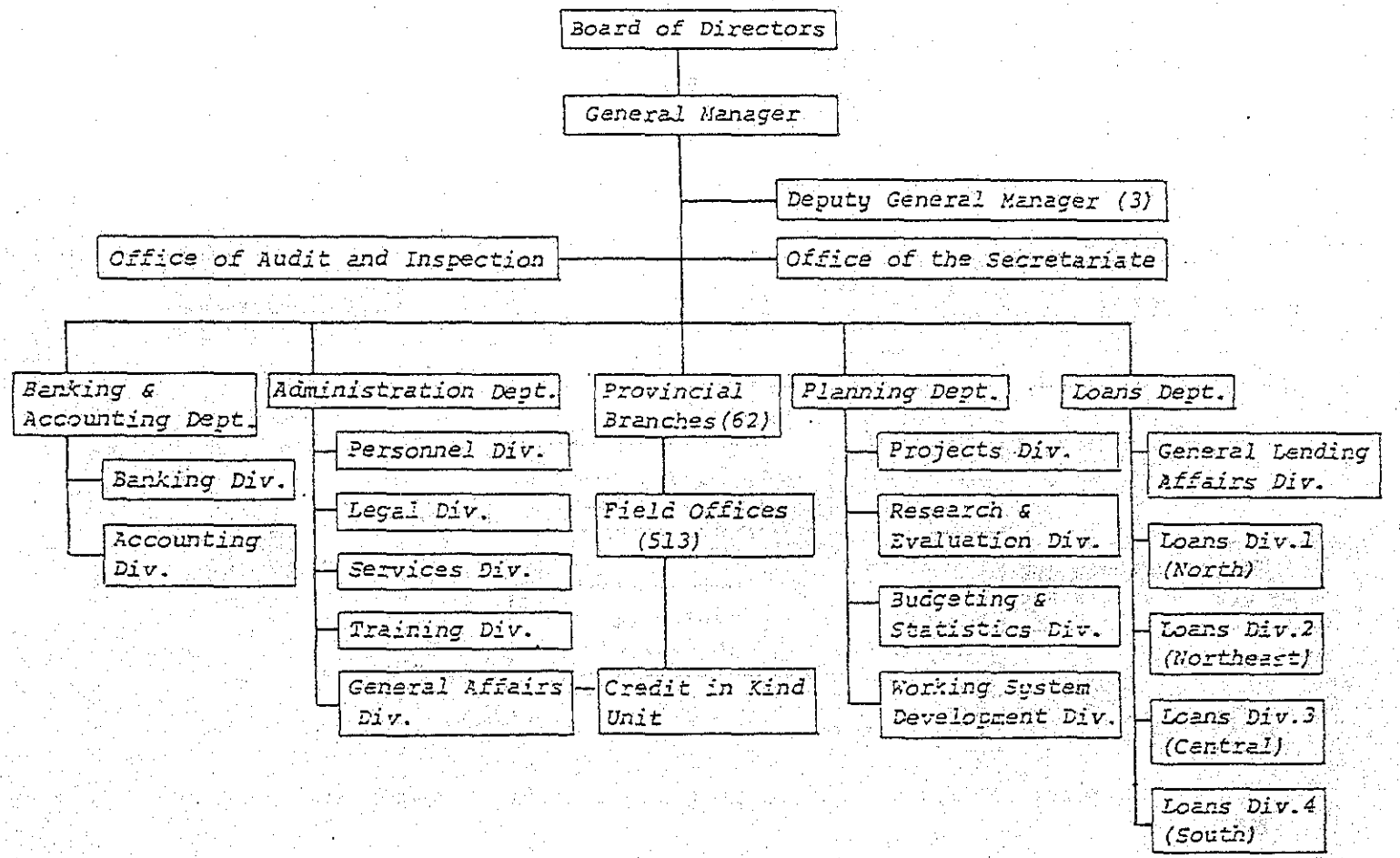


Figure 7.5-7 Organization Chart of the Bangkok Metropolitan Administration

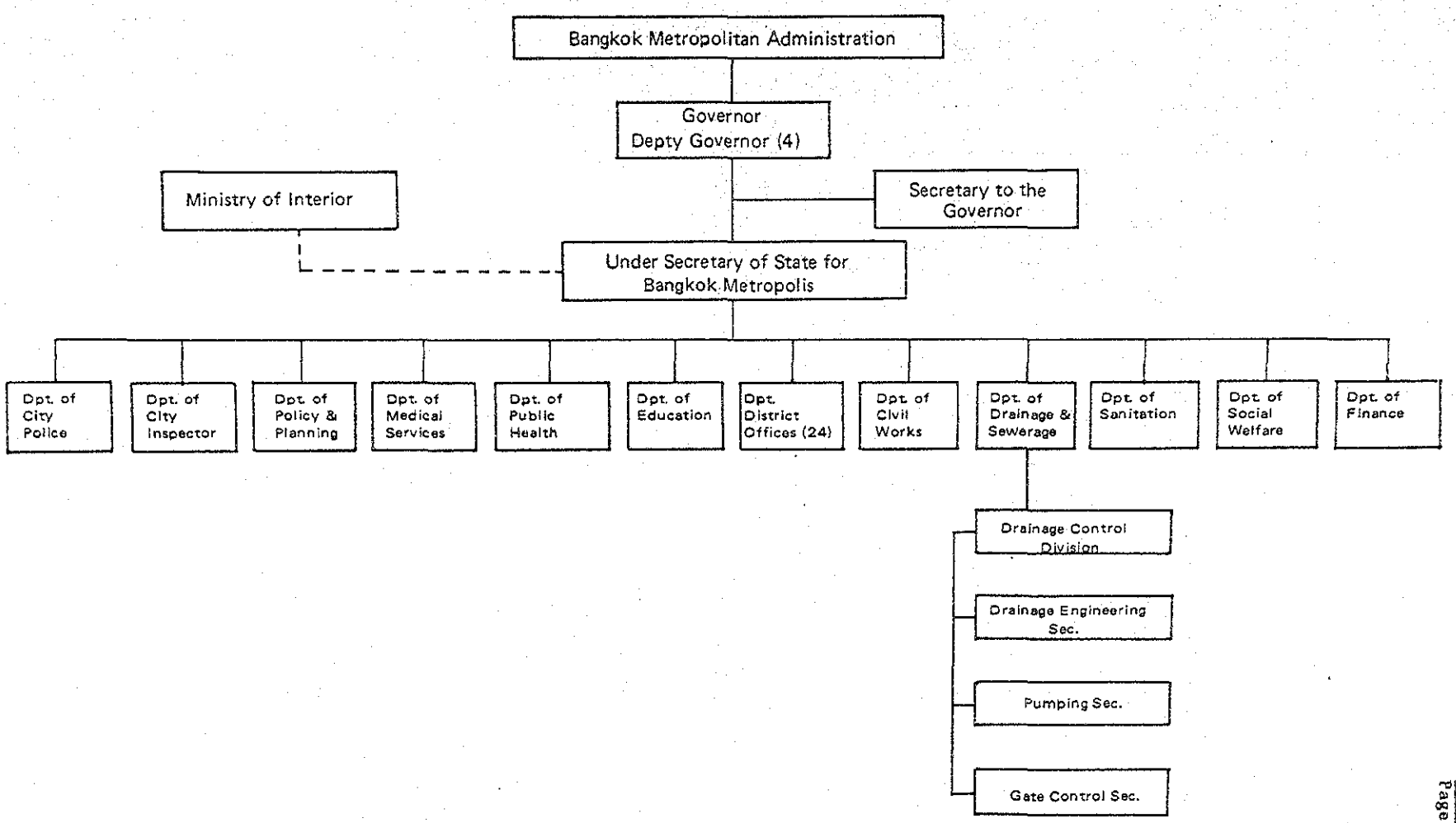


Figure 7.5-8 Govermental Agencies on Water Resources Development

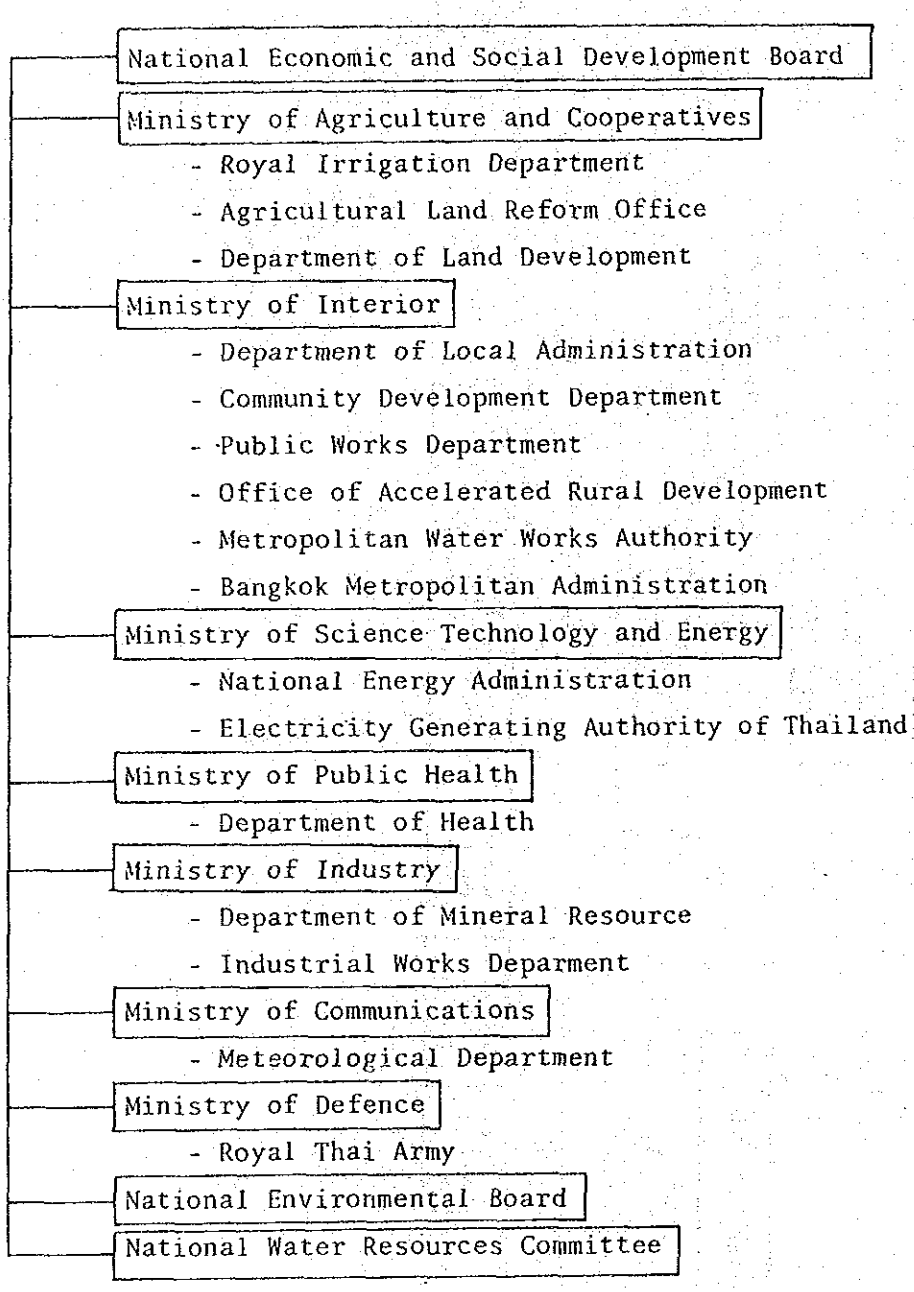


Table 7.6-1 SUMMARY OF DISTRICT DIVISION (1st Step Analysis)
(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Land Use | | | | | | | | | |
| ①Total Land | 1,000 ha | 3,730 | 4,855 | 6,773 | 1,992 | 1,590 | 120 | - | 19,060 |
| ②Farm Land | 1,000 ha | 316 | 868 | 2,819 | 1,387 | 1,112 | 109 | - | 6,611 |
| ②-1 Paddy Land | 1,000 ha | 204 | 540 | 1,628 | 968 | 648 | 67 | - | 4,055 |
| ②-2 Field Crop | 1,000 ha | 47 | 219 | 994 | 301 | 384 | 24 | - | 1,969 |
| ②-3 Fruits and Tree | 1,000 ha | 30 | 30 | 76 | 51 | 30 | 9 | - | 226 |
| ②-4 Vegetables | 1,000 ha | 6 | 3 | 5 | 7 | 3 | - | - | 24 |
| ②-5 Other Farm Land | 1,000 ha | 29 | 76 | 116 | 60 | 47 | 9 | - | 337 |
| ③Forest | 1,000 ha | 2,854 | 2,499 | 2,461 | 209 | 51 | - | - | 8,074 |
| ④Unclassified Land | 1,000 ha | 560 | 1,488 | 1,493 | 396 | 427 | 11 | - | 4,375 |
| Demography | | | | | | | | | |
| ①Total Population (1985) | 1,000 | 1,831 | 3,091 | 4,689 | 5,049 | 6,274 | 347 | - | 21,281 |
| ②Total Population (1980) | 1,000 | 1,622 | 2,752 | 4,026 | 4,370 | 5,418 | 276 | - | 18,464 |
| ③Agri. Population (1980) | 1,000 | 962 | 1,952 | 2,906 | 1,623 | 1,063 | 99 | - | 8,605 |
| ④Total Household (1980) | 1,000 | 369 | 574 | 794 | 860 | 1,060 | 53 | - | 3,710 |
| ⑤Agri. Household (1980) | 1,000 | 209 | 393 | 552 | 312 | 203 | 18 | - | 1,687 |

SUMMARY OF DISTRICT DIVISION (1st Step Analysis)
(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Second Rice (Dry Season) 1981 | | | | | | | | | |
| ①Planted Area | ha | 3,872 | 16,050 | 27,333 | 211,377 | 111,562 | 20,704 | - | 390,898 |
| ②Harvested Area | ha | 3,841 | 15,981 | 26,312 | 210,531 | 111,236 | 20,686 | - | 388,587 |
| ③Production | ton | 11,426 | 47,027 | 102,610 | 888,255 | 433,964 | 69,342 | - | 1,552,624 |
| ④Yield (③/①) | kg/ha | 2,951 | 2,930 | 3,754 | 4,202 | 3,890 | 3,349 | - | 3,972 |
| Second Rice (Dry Season) 1986 | | | | | | | | | |
| ①Planted Area | ha | 6,548 | 9,625 | 46,329 | 248,970 | 103,494 | 25,433 | - | 440,399 |
| ②Harvested Area | ha | 6,548 | 9,625 | 46,176 | 248,626 | 103,461 | 25,433 | - | 439,869 |
| ③Production | ton | 22,686 | 30,609 | 168,351 | 995,063 | 389,365 | 80,259 | - | 1,686,333 |
| ④Yield (③/①) | kg/ha | 3,465 | 3,180 | 3,634 | 3,997 | 3,762 | 3,156 | - | 3,829 |
| Major Rice (Wet Season) 1981 | | | | | | | | | |
| ①Planted Area | ha | 161,338 | 473,418 | 1,132,880 | 728,325 | 549,949 | 62,771 | - | 3,108,681 |
| ②Harvested Area | ha | 156,260 | 469,520 | 1,108,149 | 715,566 | 544,808 | 60,557 | - | 3,054,860 |
| ③Production | ton | 531,144 | 1,437,894 | 2,773,790 | 1,679,146 | 1,276,203 | 148,972 | - | 7,847,149 |
| ④Yield (③/①) | kg/ha | 3,292 | 3,037 | 2,448 | 2,305 | 2,320 | 2,373 | - | 2,524 |
| Major Rice (Wet Season) 1986 | | | | | | | | | |
| ①Planted Area | ha | 139,993 | 422,392 | 1,300,417 | 785,355 | 541,154 | 61,905 | - | 3,251,216 |
| ②Harvested Area | ha | 138,722 | 419,395 | 1,146,253 | 757,194 | 520,784 | 57,434 | - | 3,039,782 |
| ③Production | ton | 464,903 | 1,334,064 | 2,738,345 | 1,891,285 | 1,288,988 | 151,546 | - | 7,869,131 |
| ④Yield (③/①) | kg/ha | 3,321 | 3,158 | 2,106 | 2,408 | 2,382 | 2,448 | - | 2,420 |

SUMMARY OF DISTRICT DIVISION (1st Step Analysis)

(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Maize (1981) | | | | | | | | | |
| ①Planted Area | ha | 3,235 | 102,906 | 469,580 | 141,227 | 289,298 | 237 | - | 1,006,483 |
| ②Harvested Area | ha | 3,226 | 91,238 | 438,511 | 124,103 | 262,615 | 222 | - | 919,916 |
| ③Production | ton | 8,333 | 233,982 | 1,070,156 | 284,804 | 710,631 | 324 | - | 2,308,230 |
| ④Yield (③/①) | kg/ha | 2,576 | 2,274 | 2,279 | 2,017 | 2,456 | 1,367 | - | 2,293 |
| Maize (1986) | | | | | | | | | |
| ①Planted Area | ha | 4,300 | 126,900 | 626,934 | 167,771 | 291,846 | 1,612 | - | 1,219,363 |
| ②Harvested Area | ha | 4,288 | 126,559 | 613,577 | 149,838 | 244,143 | 1,590 | - | 1,139,995 |
| ③Production | ton | 9,387 | 307,070 | 1,528,695 | 286,272 | 608,739 | 4,407 | - | 2,744,570 |
| ④Yield (③/①) | kg/ha | 2,183 | 2,420 | 2,438 | 1,706 | 2,086 | 2,734 | - | 2,251 |
| Cassava (1981) | | | | | | | | | |
| ①Planted Area | ha | - | 4,379 | 27,392 | 36,061 | 8,604 | 28,975 | - | 105,411 |
| ②Harvested Area | ha | - | 4,379 | 26,863 | 35,751 | 8,229 | 28,336 | - | 103,558 |
| ③Production | ton | - | 69,028 | 397,255 | 592,733 | 122,506 | 452,189 | - | 1,633,711 |
| ④Yield (③/①) | kg/ha | - | 15,763 | 14,503 | 16,437 | 14,238 | 15,606 | - | 15,498 |
| Cassava (1986) | | | | | | | | | |
| ①Planted Area | ha | - | 8,928 | 43,339 | 41,661 | 8,764 | 22,443 | - | 125,135 |
| ②Harvested Area | ha | - | 8,826 | 42,515 | 38,937 | 8,125 | 22,239 | - | 120,642 |
| ③Production | ton | - | 134,718 | 600,350 | 519,971 | 117,585 | 319,254 | - | 1,691,878 |
| ④Yield (③/①) | kg/ha | - | 15,089 | 13,852 | 12,481 | 13,417 | 14,225 | - | 13,520 |

SUMMARY OF DISTRICT DIVISION (1st Step Analysis)

(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Sugarcane (1981) | | | | | | | | | |
| ①Planted Area | ha | 780 | 7,971 | 50,749 | 122,618 | 7,053 | 3,386 | - | 192,557 |
| ②Harvested Area | ha | 721 | 7,903 | 50,338 | 122,265 | 6,903 | 3,386 | - | 191,516 |
| ③Production | ton | 34,624 | 308,860 | 2,659,752 | 6,437,781 | 400,762 | 131,464 | - | 9,973,243 |
| ④Yield (③/①) | kg/ha | 44,390 | 38,748 | 52,410 | 52,503 | 56,821 | 38,826 | - | 51,794 |
| Sugarcane (1986) | | | | | | | | | |
| ①Planted Area | ha | 775 | 6,539 | 64,786 | 106,446 | 11,323 | 2,524 | - | 192,393 |
| ②Harvested Area | ha | 741 | 6,148 | 62,686 | 104,465 | 10,198 | 2,507 | - | 186,745 |
| ③Production | ton | 33,824 | 250,213 | 3,032,634 | 5,365,959 | 553,183 | 106,825 | - | 9,342,638 |
| ④Yield (③/①) | kg/ha | 43,644 | 38,265 | 46,810 | 50,410 | 48,855 | 42,324 | - | 48,560 |
| Mungbean (1981) | | | | | | | | | |
| ①Planted Area | ha | 357 | 6,431 | 327,614 | 30,364 | 85,641 | 113 | - | 450,520 |
| ②Harvested Area | ha | 356 | 5,861 | 310,910 | 26,728 | 83,331 | 113 | - | 427,299 |
| ③Production | ton | 207 | 4,380 | 198,640 | 17,036 | 40,089 | 56 | - | 260,408 |
| ④Yield (③/①) | kg/ha | 580 | 681 | 606 | 561 | 468 | 496 | - | 578 |
| Mungbean (1986) | | | | | | | | | |
| ①Planted Area | ha | 98 | 30,593 | 336,171 | 39,831 | 47,994 | 28 | - | 454,715 |
| ②Harvested Area | ha | 79 | 30,576 | 327,264 | 38,296 | 46,382 | 28 | - | 442,625 |
| ③Production | ton | 49 | 16,138 | 206,566 | 23,925 | 27,904 | 14 | - | 274,596 |
| ④Yield (③/①) | kg/ha | 500 | 528 | 614 | 615 | 581 | 500 | - | 604 |

SUMMARY OF DISTRICT DIVISION (1st Step Analysis)

(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Sorghum (1981) | | | | | | | | | |
| ①Planted Area | ha | - | 62 | 93, 850 | 37, 949 | 133, 846 | - | - | 265, 707 |
| ②Harvested Area | ha | - | - | 89, 740 | 32, 453 | 130, 785 | - | - | 252, 978 |
| ③Production | ton | - | - | 74, 937 | 40, 345 | 143, 614 | - | - | 258, 896 |
| ④Yield (③/①) | kg/ha | - | - | 798 | 1, 063 | 1, 073 | - | - | 974 |
| Sorghum (1986) | | | | | | | | | |
| ①Planted Area | ha | - | - | 62, 987 | 29, 585 | 85, 845 | 77 | - | 178, 494 |
| ②Harvested Area | ha | - | - | 59, 005 | 27, 349 | 83, 431 | 77 | - | 169, 862 |
| ③Production | ton | - | - | 63, 787 | 34, 261 | 95, 319 | 82 | - | 193, 449 |
| ④Yield (③/①) | kg/ha | - | - | 1, 013 | 1, 158 | 1, 110 | 1, 065 | - | 1, 084 |
| Soybean (1981) | | | | | | | | | |
| ①Planted Area | ha | 27, 203 | 10, 523 | 67, 227 | 2, 842 | 9, 842 | 191 | - | 117, 828 |
| ②Harvested Area | ha | 27, 093 | 10, 253 | 65, 917 | 2, 380 | 9, 813 | 191 | - | 115, 647 |
| ③Production | ton | 26, 173 | 10, 463 | 73, 163 | 2, 789 | 9, 535 | 220 | - | 122, 343 |
| ④Yield (③/①) | kg/ha | 962 | 994 | 1, 088 | 981 | 969 | 1, 152 | - | 1, 038 |
| Soybean (1986) | | | | | | | | | |
| ①Planted Area | ha | 42, 511 | 20, 632 | 156, 744 | 11, 092 | 16, 588 | 476 | - | 248, 043 |
| ②Harvested Area | ha | 42, 377 | 20, 269 | 153, 734 | 10, 834 | 15, 988 | 476 | - | 243, 678 |
| ③Production | ton | 53, 967 | 22, 007 | 197, 844 | 13, 545 | 20, 533 | 539 | - | 308, 435 |
| ④Yield (③/①) | kg/ha | 1, 269 | 1, 067 | 1, 262 | 1, 221 | 1, 238 | 1, 132 | - | 1, 243 |

SUMMARY OF DISTRICT DIVISION (1st Step Analysis)
(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Groundnuts (1981) | | | | | | | | | |
| ①Planted Area | ha | 11,676 | 51,364 | 13,807 | 2,272 | 4,133 | 210 | - | 83,462 |
| ②Harvested Area | ha | 11,661 | 49,826 | 12,343 | 1,949 | 4,023 | 210 | - | 80,009 |
| ③Production | ton | 12,998 | 68,458 | 15,367 | 2,963 | 6,696 | 261 | - | 106,743 |
| ④Yield (③/①) | kg/ha | 1,113 | 1,333 | 1,113 | 1,304 | 1,620 | 1,243 | - | 1,279 |
| Groundnuts (1986) | | | | | | | | | |
| ①Planted Area | ha | 15,535 | 39,737 | 11,827 | 2,722 | 2,999 | 112 | - | 72,932 |
| ②Harvested Area | ha | 15,384 | 39,699 | 11,667 | 2,673 | 2,974 | 110 | - | 72,507 |
| ③Production | ton | 22,935 | 52,573 | 17,605 | 4,312 | 4,911 | 150 | - | 102,486 |
| ④Yield (③/①) | kg/ha | 1,476 | 1,323 | 1,489 | 1,584 | 1,638 | 1,339 | - | 1,405 |
| No. of Buffalo | | | | | | | | | |
| ①1981 | head | 152,589 | 509,001 | 564,324 | 208,148 | 127,933 | 9,079 | - | 1,571,074 |
| ②1986 | head | 192,074 | 450,104 | 362,707 | 175,876 | 119,096 | 8,231 | - | 1,308,088 |
| No. of Cattle | | | | | | | | | |
| ①1981 | head | 160,194 | 365,464 | 428,731 | 277,398 | 183,635 | 6,502 | - | 1,421,924 |
| ②1986 | head | 178,365 | 357,305 | 523,708 | 330,258 | 274,424 | 10,152 | - | 1,674,212 |
| Annual Irrigated Area | | | | | | | | | |
| ①1979 | ha | 157,408 | 126,424 | 206,605 | 682,297 | 447,827 | 66,935 | - | 1,685,496 |
| ②1981 | ha | 160,296 | 152,275 | 267,998 | 734,390 | 462,552 | 67,383 | - | 1,844,894 |
| ③1985 | ha | 185,078 | 210,128 | 423,012 | 787,493 | 483,295 | 66,015 | - | 2,155,021 |

SUMMARY OF DISTRICT DIVISION (1st Step Analysis)
(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Gross Regional Products (1981) | | | | | | | | | |
| ①Agriculture | $10^6$ Baht | 6,729 | 11,681 | 22,930 | 18,560 | 11,482 | 2,105 | - | 73,487 |
| ①-1 Crop | $10^6$ Baht | 4,959 | 9,229 | 19,240 | 14,617 | 8,092 | 1,306 | - | 57,443 |
| ①-2 Livestock | $10^6$ Baht | 1,227 | 2,133 | 2,681 | 2,274 | 2,325 | 295 | - | 10,936 |
| ①-3 Fishery | $10^6$ Baht | 37 | 44 | 466 | 1,647 | 1,065 | 504 | - | 3,763 |
| ①-4 Forestry | $10^6$ Baht | 506 | 275 | 543 | 21 | - | - | - | 1,345 |
| ②Mining | $10^6$ Baht | 413 | 470 | 348 | 536 | 1,377 | 157 | - | 3,301 |
| ③Manufacturing | $10^6$ Baht | 732 | 1,217 | 3,088 | 35,369 | 78,521 | 4,611 | - | 123,538 |
| ④Construction | $10^6$ Baht | 1,448 | 1,465 | 1,810 | 8,025 | 16,009 | 183 | - | 28,940 |
| ⑤Electricity | $10^6$ Baht | 180 | 200 | 334 | 2,275 | 4,440 | 309 | - | 7,738 |
| ⑥Transport/Communication | $10^6$ Baht | 2,125 | 2,463 | 2,786 | 10,508 | 19,110 | 285 | - | 37,277 |
| ⑦Trading | $10^6$ Baht | 4,609 | 6,527 | 9,191 | 23,713 | 41,120 | 1,095 | - | 86,255 |
| ⑧Banking | $10^6$ Baht | 1,029 | 981 | 1,590 | 12,013 | 26,060 | 242 | - | 41,915 |
| ⑨Ownership | $10^6$ Baht | 270 | 452 | 608 | 1,285 | 2,090 | 63 | - | 4,768 |
| ⑩Public | $10^6$ Baht | 1,099 | 1,321 | 1,997 | 4,514 | 8,451 | 120 | - | 17,502 |
| ⑪Services | $10^6$ Baht | 2,586 | 2,013 | 2,584 | 14,808 | 31,344 | 351 | - | 53,686 |
| TOTAL | $10^6$ Baht | 21,220 | 28,790 | 47,266 | 131,606 | 240,004 | 9,521 | - | 478,407 |

SUMMARY OF DISTRICT DIVISION (1st Step Analysis)
(Objective Area: M/P Study Area)



| | Unit | RID REGIONAL OFFICES | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | R01 | R02 | R03 | R07 | R08 | R09 | R10 | |
| Gross Regional Products (1986) | | | | | | | | | |
| ①Agriculture | $10^6$ Baht | 6,265 | 10,757 | 19,608 | 14,658 | 9,537 | 1,708 | - | 62,533 |
| ①-1 Crop | $10^6$ Baht | 4,297 | 8,193 | 16,269 | 11,011 | 6,231 | 883 | - | 46,884 |
| ①-2 Livestock | $10^6$ Baht | 1,428 | 1,858 | 2,454 | 1,876 | 1,885 | 267 | - | 9,768 |
| ①-3 Fishery | $10^6$ Baht | 37 | 62 | 445 | 1,726 | 1,408 | 558 | - | 4,236 |
| ①-4 Forestry | $10^6$ Baht | 503 | 644 | 440 | 45 | 13 | - | - | 1,645 |
| ②Mining | $10^6$ Baht | 625 | 1,971 | 2,479 | 956 | 3,559 | 288 | - | 9,878 |
| ③Manufacturing | $10^6$ Baht | 1,064 | 1,044 | 3,633 | 50,231 | 111,784 | 6,255 | - | 174,011 |
| ④Construction | $10^6$ Baht | 2,132 | 2,695 | 3,527 | 8,944 | 16,453 | 229 | - | 33,980 |
| ⑤Electricity | $10^6$ Baht | 517 | 825 | 1,011 | 5,677 | 10,998 | 979 | - | 20,007 |
| ⑥Transport/Communication | $10^6$ Baht | 2,032 | 3,709 | 4,390 | 19,984 | 38,539 | 1,166 | - | 69,820 |
| ⑦Trading | $10^6$ Baht | 5,844 | 8,733 | 12,375 | 32,774 | 57,202 | 1,563 | - | 118,491 |
| ⑧Banking | $10^6$ Baht | 2,070 | 1,768 | 2,909 | 19,568 | 41,169 | 529 | - | 68,013 |
| ⑨Ownership | $10^6$ Baht | 486 | 784 | 1,080 | 2,322 | 3,964 | 107 | - | 8,743 |
| ⑩Public | $10^6$ Baht | 1,839 | 2,169 | 3,389 | 6,674 | 12,429 | 198 | - | 26,698 |
| ⑪Services | $10^6$ Baht | 4,472 | 3,582 | 4,919 | 23,524 | 49,048 | 550 | - | 86,095 |
| TOTAL | $10^6$ Baht | 27,346 | 38,037 | 59,320 | 185,312 | 354,682 | 13,572 | - | 678,269 |

Table 7.6-2 CROP PRODUCTION DATA

Crop: Cassava

| | 1981 | | | 1986 | | | Average |
|---|---|---|---|---|---|---|---|
| | Planted Area (ha) | Production (ton) | Yield (kg/ha) | Planted Area (ha) | Production (ton) | Yield (kg/ha) | Yield (kg/ha) |
| 1 PT | 734 | 11,220 | 15,286 | 1,075 | 13,148 | 12,231 | 13,470 |
| 2 TB | 1,342 | 22,750 | 16,952 | 1,635 | 19,384 | 11,856 | 14,153 |
| 3 SA | 2,656 | 47,544 | 17,901 | 2,856 | 33,009 | 11,558 | 14,614 |
| 4 BC | 1,174 | 21,014 | 17,899 | 1,262 | 14,590 | 11,561 | 14,616 |
| 5 PA | 3,287 | 58,839 | 17,901 | 3,535 | 40,851 | 11,556 | 14,613 |
| 6 BO | 2,349 | 36,692 | 15,620 | 3,328 | 40,486 | 12,165 | 13,595 |
| 7 CH | 247 | 4,312 | 17,457 | 282 | 3,297 | 11,691 | 14,384 |
| 8 YM | - | - | - | - | - | - | - |
| 9 PK | 279 | 4,991 | 17,889 | 300 | 3,465 | 11,550 | 14,604 |
| 10 BB | - | - | - | - | - | - | - |
| 11 CB | 1,673 | 29,945 | 17,899 | 1,799 | 20,790 | 11,556 | 14,613 |
| 12 PB | 59 | 1,051 | 17,814 | 63 | 729 | 11,571 | 14,590 |
| 13 PM | - | - | - | - | - | - | - |
| 14 PC | - | - | - | - | - | - | - |
| RID 07 | 13,800 | 238,358 | 17,272 | 16,135 | 189,749 | 11,760 | 14,301 |
| 15 MA | 1,270 | 18,974 | 14,940 | 1,835 | 22,873 | 12,465 | 13,477 |
| 16 CK | 484 | 7,056 | 14,579 | 653 | 9,516 | 14,573 | 14,575 |
| 17 KT | 490 | 7,006 | 14,298 | 504 | 7,049 | 13,986 | 14,140 |
| 18 RR | 404 | 5,516 | 13,653 | 267 | 3,289 | 12,318 | 13,122 |
| 19 MH | 451 | 6,784 | 15,042 | 633 | 8,572 | 13,542 | 14,166 |
| 20 TL | 465 | 6,343 | 13,641 | 307 | 3,782 | 12,319 | 13,115 |
| 21 NR | - | - | - | - | - | - | - |
| 22 NL | - | - | - | - | - | - | - |
| 23 SR | 9,697 | 151,855 | 15,660 | 7,430 | 105,676 | 14,223 | 15,037 |
| 24 KD | 2,109 | 32,909 | 15,604 | 1,633 | 23,234 | 14,228 | 15,003 |
| RID 08 | 15,370 | 236,443 | 15,383 | 13,262 | 183,991 | 13,874 | 14,684 |
| 25 PO | 30,711 | 480,222 | 15,637 | 23,834 | 339,046 | 14,225 | 15,020 |
| RID 09 | 30,711 | 480,222 | 15,637 | 23,834 | 339,046 | 14,225 | 15,020 |
| Total | 59,941 | 955,023 | 15,933 | 53,231 | 712,786 | 13,390 | 14,737 |

Note: All figures are derived from "Changwat Data File"

# CROP PRODUCTION DATA

Crop: Sugarcane

| | 1981 | | | 1986 | | | Average Yield |
|---|---|---|---|---|---|---|---|
| | Planted Area (ha) | Production (ton) | Yield (kg/ha) | Planted Area (ha) | Production (ton) | Yield (kg/ha) | (kg/ha) |
| 1 PT | 281 | 15,388 | 54,762 | 321 | 14,028 | 43,701 | 48,864 |
| 2 TB | 4,682 | 246,129 | 52,569 | 4,056 | 208,224 | 51,337 | 51,997 |
| 3 SA | 14,032 | 736,388 | 52,479 | 11,996 | 621,067 | 51,773 | 52,154 |
| 4 DC | 6,199 | 325,271 | 52,472 | 5,298 | 274,246 | 51,764 | 52,146 |
| 5 PA | 17,356 | 910,760 | 52,475 | 14,835 | 767,889 | 51,762 | 52,147 |
| 6 BO | 2,461 | 132,844 | 53,980 | 2,407 | 119,430 | 49,618 | 51,823 |
| 7 CH | 1,690 | 97,698 | 57,809 | 1,762 | 101,825 | 57,789 | 57,799 |
| 8 YM | 209 | 14,127 | 67,593 | 277 | 18,284 | 66,007 | 66,689 |
| 9 PK | 1,480 | 77,779 | 52,553 | 1,268 | 65,802 | 51,894 | 52,249 |
| 10 BB | 1 | 66 | 66,000 | 1 | 84 | 84,000 | 75,000 |
| 11 CB | 8,833 | 463,512 | 52,475 | 7,550 | 390,801 | 51,762 | 52,146 |
| 12 PB | 9,175 | 463,795 | 50,550 | 6,636 | 357,950 | 53,941 | 51,973 |
| 13 PM | 8,902 | 449,436 | 50,487 | 6,398 | 345,703 | 54,033 | 51,970 |
| 14 PC | 2,452 | 123,785 | 50,483 | 1,762 | 95,215 | 54,038 | 51,970 |
| RID 07 | 77,753 | 4,056,978 | 52,178 | 64,567 | 3,380,548 | 52,357 | 52,259 |
| 15 MA | 629 | 33,442 | 53,167 | 840 | 36,174 | 43,064 | 47,390 |
| 16 CK | 755 | 43,251 | 57,286 | 1,177 | 58,830 | 49,983 | 52,837 |
| 17 KT | 501 | 28,891 | 57,667 | 803 | 40,103 | 49,941 | 52,910 |
| 18 RR | 178 | 10,493 | 58,949 | 323 | 15,992 | 49,511 | 52,864 |
| 19 MH | 772 | 47,312 | 61,285 | 1,129 | 62,186 | 55,081 | 57,600 |
| 20 TL | 205 | 12,067 | 58,863 | 371 | 18,391 | 49,571 | 52,878 |
| 21 NR | - | - | - | - | - | - | - |
| 22 NL | - | - | - | - | - | - | - |
| 23 SR | 1,131 | 43,788 | 38,716 | 835 | 35,284 | 42,256 | 40,220 |
| 24 KD | 246 | 9,567 | 38,890 | 184 | 7,774 | 42,250 | 40,328 |
| RID 08 | 4,417 | 228,811 | 51,802 | 5,662 | 274,734 | 48,522 | 49,960 |
| 25 PO | 3,596 | 139,614 | 38,825 | 2,681 | 113,448 | 42,316 | 40,316 |
| RID 09 | 3,596 | 139,614 | 38,825 | 2,681 | 113,448 | 42,316 | 40,316 |
| Total | 85,766 | 4,425,403 | 51,599 | 72,910 | 3,768,730 | 51,690 | 51,641 |

Note: All figures are derived from "Changwat Data File"

# CROP PRODUCTION DATA

Crop: Mungbean

| | 1981 | | | 1986 | | | Average |
|---|---|---|---|---|---|---|---|
| | Planted Area (ha) | Production (ton) | Yield (kg/ha) | Planted Area (ha) | Production (ton) | Yield (kg/ha) | Yield (kg/ha) |
| 1 PT | 170 | 106 | 624 | 163 | 85 | 521 | 574 |
| 2 TB | 123 | 80 | 658 | 129 | 68 | 527 | 587 |
| 3 SA | 53 | 43 | 811 | 83 | 47 | 566 | 662 |
| 4 DC | 13 | 12 | 923 | 27 | 15 | 556 | 675 |
| 5 PA | 36 | 33 | 917 | 76 | 42 | 553 | 670 |
| 6 BO | 695 | 468 | 673 | 808 | 405 | 501 | 581 |
| 7 CH | 1,496 | 1,065 | 712 | 1,775 | 931 | 525 | 610 |
| 8 YM | 683 | 461 | 675 | 687 | 380 | 553 | 614 |
| 9 PK | 374 | 184 | 492 | 338 | 152 | 450 | 472 |
| 10 BB | 328 | 157 | 479 | 294 | 128 | 435 | 458 |
| 11 CB | 540 | 265 | 491 | 506 | 222 | 439 | 466 |
| 12 PB | 130 | 62 | 477 | 116 | 51 | 440 | 459 |
| 13 PM | - | - | - | - | - | - | - |
| 14 PC | - | - | - | - | - | - | - |
| RID 07 | 4,641 | 2,936 | 633 | 5,002 | 2,526 | 505 | 566 |
| 15 MA | 1,961 | 1,063 | 542 | 1,761 | 1,026 | 583 | 561 |
| 16 CK | 11,911 | 5,501 | 462 | 5,344 | 2,952 | 552 | 490 |
| 17 KT | 7,682 | 3,527 | 459 | 3,700 | 2,108 | 570 | 495 |
| 18 RR. | 1,174 | 575 | 490 | 1,378 | 878 | 637 | 569 |
| 19 MH | 7,695 | 3,706 | 482 | 3,970 | 2,111 | 532 | 499 |
| 20 TL | 1,416 | 692 | 489 | 1,642 | 1,034 | 630 | 564 |
| 21 NR | 107 | 51 | 477 | 96 | 41 | 427 | 453 |
| 22 NL | 525 | 249 | 474 | 469 | 202 | 431 | 454 |
| 23 SR | 37 | 18 | 486 | 9 | 5 | 556 | 500 |
| 24 KD | 8 | 4 | 500 | 2 | 1 | 500 | 500 |
| RID 08 | 32,516 | 15,386 | 473 | 18,371 | 10,358 | 564 | 506 |
| 25 PO | 120 | 60 | 500 | 30 | 15 | 500 | 500 |
| RID 09 | 120 | 60 | 500 | 30 | 15 | 500 | 500 |
| Total | 37,277 | 18,382 | 493 | 23,403 | 12,899 | 551 | 516 |

Note: All figures are derived from "Changwat Data File"

# CROP PRODUCTION DATA

Crop: Sorghum

| | 1981 | | | 1986 | | | Average |
|---|---|---|---|---|---|---|---|
| | Planted Area | Production | Yield | Planted Area | Production | Yield | Yield |
| | (ha) | (ton) | (kg/ha) | (ha) | (ton) | (kg/ha) | (kg/ha) |
| 1 PT | 333 | 264 | 793 | 110 | 125 | 1,136 | 878 |
| 2 TB | 355 | 373 | 1,051 | 284 | 348 | 1,225 | 1,128 |
| 3 SA | 412 | 610 | 1,481 | 656 | 823 | 1,255 | 1,342 |
| 4 DC | 182 | 270 | 1,484 | 290 | 364 | 1,255 | 1,343 |
| 5 PA | 510 | 755 | 1,480 | 812 | 1,018 | 1,254 | 1,341 |
| 6 BO | 978 | 807 | 825 | 381 | 442 | 1,160 | 919 |
| 7 CH | 51 | 62 | 1,216 | 57 | 71 | 1,246 | 1,231 |
| 8 YM | - | - | - | - | - | - | - |
| 9 PK | 43 | 64 | 1,488 | 69 | 86 | 1,246 | 1,339 |
| 10 BB | - | - | - | - | - | - | - |
| 11 CB | 260 | 384 | 1,477 | 413 | 518 | 1,254 | 1,340 |
| 12 PB | 9 | 13 | 1,444 | 14 | 18 | 1,286 | 1,348 |
| 13 PM | - | - | - | - | - | - | - |
| 14 PC | - | - | - | - | - | - | - |
| RID 07 | 3,133 | 3,602 | 1,150 | 3,086 | 3,813 | 1,236 | 1,192 |
| 15 MA | 2,438 | 2,094 | 859 | 2,072 | 2,130 | 1,028 | 937 |
| 16 CK | 17,376 | 18,764 | 1,080 | 12,371 | 13,190 | 1,066 | 1,074 |
| 17 KT | 11,931 | 12,970 | 1,087 | 7,796 | 8,557 | 1,098 | 1,091 |
| 18 RR | 2,549 | 2,756 | 1,081 | 780 | 1,229 | 1,576 | 1,197 |
| 19 MH | 10,166 | 11,033 | 1,085 | 7,099 | 7,589 | 1,069 | 1,079 |
| 20 TL | 2,931 | 3,170 | 1,082 | 897 | 1,413 | 1,575 | 1,197 |
| 21 NR | - | - | - | - | - | - | - |
| 22 NL | - | - | - | - | - | - | - |
| 23 SR | - | - | - | 25 | 27 | 1,080 | 1,080 |
| 24 KD | - | - | - | 6 | 6 | 1,000 | 1,000 |
| RID 08 | 47,391 | 50,787 | 1,072 | 31,046 | 34,141 | 1,100 | 1,083 |
| 25 PO | - | - | - | 82 | 87 | 1,061 | 1,061 |
| RID 09 | - | - | - | 82 | 87 | 1,061 | 1,061 |
| Total | 50,524 | 54,389 | 1,076 | 34,214 | 38,041 | 1,112 | 1,091 |

Note: All figures are derived from "Changwat Data File"

# CROP PRODUCTION DATA

Crop: Soybean

| | 1981 | | | 1986 | | | Average |
|---|---|---|---|---|---|---|---|
| | Planted Area (ha) | Production (ton) | Yield (kg/ha) | Planted Area (ha) | Production (ton) | Yield (kg/ha) | Yield (kg/ha) |
| 1 PT | - | - | - | 16 | 17 | 1,063 | 1,063 |
| 2 TB | 19 | 16 | 842 | 41 | 43 | 1,049 | 983 |
| 3 SA | 59 | 49 | 831 | 96 | 98 | 1,021 | 948 |
| 4 DC | 26 | 22 | 846 | 42 | 44 | 1,048 | 971 |
| 5 PA | 73 | 60 | 822 | 118 | 122 | 1,034 | 953 |
| 6 BO | 7 | 5 | 714 | 55 | 59 | 1,073 | 1,032 |
| 7 CH | 5 | 4 | 800 | 8 | 9 | 1,125 | 1,000 |
| 8 YM | - | - | - | - | - | - | - |
| 9 PK | 6 | 5 | 833 | 10 | 10 | 1,000 | 938 |
| 10 BB | - | - | - | - | - | - | - |
| 11 CB | 37 | 31 | 838 | 60 | 62 | 1,033 | 959 |
| 12 PB | 1 | 1 | 1,000 | 2 | 2 | 1,000 | 1,000 |
| 13 PM | - | - | - | - | - | - | - |
| 14 PC | - | - | - | - | - | - | - |
| RID 07 | 233 | 193 | 828 | 448 | 466 | 1,040 | 968 |
| 15 MA | 121 | 140 | 1,157 | 401 | 533 | 1,329 | 1,289 |
| 16 CK | 496 | 495 | 998 | 1,415 | 1,708 | 1,207 | 1,153 |
| 17 KT | 664 | 639 | 962 | 1,225 | 1,491 | 1,213 | 1,125 |
| 18 RR | 662 | 629 | 950 | 733 | 925 | 1,262 | 1,114 |
| 19 MH | 275 | 270 | 982 | 780 | 932 | 1,195 | 1,139 |
| 20 TL | 762 | 724 | 950 | 843 | 1,064 | 1,262 | 1,114 |
| 21 NR | - | - | - | - | - | - | - |
| 22 NL | - | - | - | - | - | - | - |
| 23 SR | 62 | 72 | 1,161 | 155 | 176 | 1,135 | 1,143 |
| 24 KD | 14 | 16 | 1,143 | 35 | 39 | 1,114 | 1,122 |
| RID 08 | 3,056 | 2,986 | 977 | 5,587 | 6,868 | 1,229 | 1,140 |
| 25 PO | 203 | 233 | 1,148 | 506 | 572 | 1,130 | 1,135 |
| RID 09 | 203 | 233 | 1,148 | 506 | 572 | 1,130 | 1,135 |
| Total | 3,492 | 3,411 | 977 | 6,541 | 7,906 | 1,209 | 1,128 |

Note: All figures are derived from "Changwat Data File"

# CROP PRODUCTION DATA

Crop: Groundnuts

| | 1981 | | | 1986 | | | Average |
|---|---|---|---|---|---|---|---|
| | Planted Area | Production | Yield | Planted Area | Production | Yield | Yield |
| | (ha) | (ton) | (kg/ha) | (ha) | (ton) | (kg/ha) | (kg/ha) |
| 1 PT | 24 | 34 | 1,417 | - | - | - | 1,417 |
| 2 TB | 40 | 56 | 1,400 | 1 | 2 | 2,000 | 1,415 |
| 3 SA | 75 | 102 | 1,360 | 4 | 7 | 1,750 | 1,380 |
| 4 DC | 33 | 45 | 1,364 | 2 | 3 | 1,500 | 1,371 |
| 5 PA | 93 | 127 | 1,366 | 5 | 8 | 1,600 | 1,378 |
| 6 BO | 83 | 112 | 1,349 | 143 | 241 | 1,685 | 1,562 |
| 7 CH | 27 | 26 | 963 | 386 | 649 | 1,681 | 1,634 |
| 8 YM | 3 | 2 | 667 | 57 | 96 | 1,684 | 1,633 |
| 9 PK | 8 | 11 | 1,375 | - | - | - | 1,375 |
| 10 BB | - | - | - | - | - | - | - |
| 11 CB | 47 | 64 | 1,362 | 2 | 4 | 2,000 | 1,388 |
| 12 PB | 2 | 2 | 1,000 | - | - | - | 1,000 |
| 13 PM | - | - | - | - | - | - | - |
| 14 PC | - | - | - | - | - | - | - |
| RID 07 | 435 | 581 | 1,336 | 600 | 1,011 | 1,685 | 1,538 |
| 15 MA | 164 | 224 | 1,366 | 107 | 187 | 1,748 | 1,517 |
| 16 CK | 341 | 540 | 1,584 | 264 | 414 | 1,568 | 1,577 |
| 17 KT | 288 | 475 | 1,649 | 188 | 297 | 1,580 | 1,622 |
| 18 RR | 180 | 306 | 1,700 | 134 | 229 | 1,709 | 1,704 |
| 19 MH | 199 | 309 | 1,553 | 399 | 649 | 1,627 | 1,602 |
| 20 TL | 207 | 352 | 1,700 | 154 | 263 | 1,708 | 1,704 |
| 21 NR | - | - | - | - | - | - | - |
| 22 NL | - | - | - | - | - | - | - |
| 23 SR | 68 | 85 | 1,250 | 37 | 49 | 1,324 | 1,276 |
| 24 KO | 15 | 19 | 1,267 | 8 | 11 | 1,375 | 1,304 |
| RID 08 | 1,462 | 2,310 | 1,580 | 1,291 | 2,099 | 1,626 | 1,602 |
| 25 PO | 223 | 277 | 1,242 | 119 | 159 | 1,336 | 1,275 |
| RID 09 | 223 | 277 | 1,242 | 119 | 159 | 1,336 | 1,275 |
| Total | 2,120 | 3,168 | 1,494 | 2,010 | 3,269 | 1,626 | 1,559 |

Note: All figures are derived from "Changwat Data File"

Figure 7.7-1 WORLD TRADE - ACTUAL AND PROJECTION (1)

Milled Rice

(Unit: 1,000 tons)

| | GROSS EXPORTS | | | GROSS IMPORTS | | |
|---|---|---|---|---|---|---|
| | Actual | | Projected | Actual | | Projected |
| | 1980 | 1983 | 1990 | 1980 | 1983 | 1990 |
| WORLD TOTAL | 12,493 | 11,066 | 14,434 | 12,483 | 11,990 | 14,384 |
| DEVELOPING | 7,929 | 7,309 | 10,780 | 9,702 | 9,264 | 10,722 |
| Africa | 18 | 10 | 26 | 2,339 | 2,989 | 3,443 |
| Ivory Coast | 1 | - | - | 291 | 389 | 469 |
| Madagascar | 1 | - | 1 | 150 | 214 | 285 |
| Nigeria | - | - | - | 524 | 684 | 708 |
| Senegal | 2 | 5 | 1 | 291 | 349 | 384 |
| Latin America | 596 | 553 | 844 | 1,066 | 1,000 | 1,042 |
| Argentina | 110 | 85 | 215 | 6 | - | 6 |
| Brazil | 15 | 8 | 45 | 356 | 308 | 285 |
| Uruguay | 182 | 196 | 258 | - | - | - |
| Near East | 223 | 47 | 136 | 1,782 | 1,892 | 2,661 |
| Iran | - | - | - | 389 | 493 | 715 |
| Iraq | - | - | - | 342 | 433 | 489 |
| Saudi Arabia | 3 | - | 6 | 355 | 371 | 505 |
| Far East | 5,558 | 5,467 | 7,700 | 3,814 | 3,064 | 2,540 |
| Bangladesh | - | - | - | 88 | 307 | 581 |
| Burma | 635 | 828 | 1,005 | - | - | - |
| India | 622 | 161 | 534 | 66 | 289 | - |
| Indonesia | 3 | - | 159 | 1,460 | 1,047 | - |
| Korea, Rep. | - | - | - | 1,048 | 181 | 165 |
| Malaysia | - | - | - | 260 | 388 | 525 |
| Pakistan | 1,110 | 878 | 1,398 | - | - | - |
| Philippines | 171 | 39 | - | - | - | 360 |
| Thailand | 2,943 | 3,466 | 4,592 | - | - | - |
| Asian CPE | 1,531 | 1,230 | 2,071 | 557 | 170 | 862 |
| China | 1,162 | 1,095 | 1,620 | 164 | 77 | 275 |
| Other Developing | 3 | 2 | 3 | 144 | 149 | 174 |
| DEVELOPED | 4,564 | 3,757 | 3,654 | 2,781 | 2,726 | 3,662 |
| North America | 2,693 | 2,140 | 2,302 | 87 | 117 | 120 |
| U.S.A. | 2,693 | 2,140 | 2,302 | 3 | 19 | 6 |
| Western Europe | 876 | 897 | 866 | 1,287 | 1,760 | 1,689 |
| E.E.C. | 815 | 862 | 816 | 1,056 | 1,537 | 1,402 |
| E. Europe & USSR | 28 | 37 | 23 | 1,192 | 597 | 1,478 |
| U.S.S.R. | 18 | 24 | 17 | 892 | 323 | 1,154 |
| Other Developed | 967 | 683 | 463 | 215 | 253 | 375 |

Data Source: FAO Agricultural Commodity Projections to 1990

Figure 7.7-2 WORLD TRADE - ACTUAL AND PROJECTION (2)

Coarse Grains (Unit: 1,000 tons)

| | GROSS EXPORTS | | | GROSS IMPORTS | | |
|---|---|---|---|---|---|---|
| | Actual | | Projected | Actual | | Projected |
| | 1980 | 1983 | 1990 | 1980 | 1983 | 1990 |
| WORLD TOTAL | 116,798 | 107,089 | 139,684 | 115,144 | 105,758 | 139,601 |
| DEVELOPING | 14,655 | 18,344 | 24,537 | 30,975 | 38,357 | 50,339 |
| Africa | 334 | 876 | 297 | 3,518 | 3,174 | 6,923 |
| Nigeria | - | - | - | 399 | 367 | 654 |
| Tunisia | - | - | - | 256 | 233 | 534 |
| Zimbabwe | 193 | 595 | 240 | 51 | 60 | 69 |
| Latin America | 10,329 | 13,088 | 15,540 | 10,983 | 13,379 | 15,896 |
| Argentina | 10,033 | 12,090 | 15,172 | 6 | - | 7 |
| Brazil | 52 | 816 | 95 | 1,775 | 628 | 1,837 |
| Mexico | 15 | 8 | 14 | 4,802 | 8,080 | 6,824 |
| Near East | 794 | 991 | 1,061 | 6,034 | 7,231 | 15,146 |
| Egypt | - | - | - | 923 | 1,563 | 2,664 |
| Saudi Arabia | 167 | - | 485 | 2,028 | 2,342 | 7,361 |
| Sudan | 247 | 300 | 517 | 2 | - | 2 |
| Far East | 2,994 | 3,259 | 4,058 | 5,012 | 7,675 | 7,974 |
| Indonesia | 19 | 4 | - | 57 | 86 | 299 |
| Korea, Rep. | 1 | - | 2 | 2,827 | 4,305 | 4,794 |
| Thailand | 2,462 | 2,009 | 3,574 | 37 | 48 | 30 |
| Asian CPE | 204 | 130 | 3,579 | 5,376 | 6,844 | 4,345 |
| China | 137 | 110 | 3,519 | 5,355 | 6,833 | 4,000 |
| Other Developing | - | - | 2 | 52 | 54 | 55 |
| DEVELOPED | 102,143 | 88,745 | 115,147 | 84,169 | 67,401 | 89,262 |
| North America | 73,946 | 62,463 | 83,678 | 1,686 | 1,028 | 1,636 |
| U.S.A. | 68,472 | 55,017 | 74,332 | 401 | 562 | 402 |
| Canada | 5,474 | 7,446 | 9,346 | 1,284 | 466 | 1,235 |
| Western Europe | 18,732 | 21,008 | 19,577 | 32,818 | 28,735 | 29,616 |
| E.E.C. | 17,460 | 18,823 | 17,690 | 22,402 | 18,369 | 20,000 |
| Other W. Europe | 1,272 | 2,185 | 1,887 | 10,416 | 10,366 | 9,616 |
| E. Europe & USSR | 2,355 | 1,953 | 2,759 | 28,987 | 14,947 | 31,191 |
| Eastern Europe | 1,952 | 1,664 | 2,326 | 10,615 | 4,949 | 5,658 |
| U.S.S.R. | 403 | 289 | 434 | 18,372 | 9,998 | 25,533 |
| Oceania | 3,537 | 1,971 | 5,437 | 8 | 44 | 11 |
| Australia | 3,444 | 1,870 | 5,163 | 6 | 30 | 8 |
| Other Developed | 3,573 | 1,350 | 3,696 | 20,670 | 22,647 | 26,808 |
| Japan | 3 | - | 3 | 19,413 | 20,175 | 25,014 |

Data Source: FAO Agricultural Commodity Projections to 1990

Figure 7.7-3 WORLD TRADE - ACTUAL AND PROJECTION (3)

Beans

(Unit: 1,000 tons)

| | GROSS EXPORTS | | | GROSS IMPORTS | | |
|---|---|---|---|---|---|---|
| | Actual | | Projected | Actual | | Projected |
| | 1980 | 1983 | 1990 | 1980 | 1983 | 1990 |
| WORLD TOTAL | 2,774 | 3,373 | 3,738 | 2,731 | 3,060 | 3,677 |
| DEVELOPING | 1,264 | 1,875 | 1,887 | 1,401 | 1,351 | 1,584 |
| Africa | 156 | 216 | 222 | 162 | 214 | 298 |
| Algeria | - | - | - | 89 | 121 | 86 |
| Ethiopia | 23 | 43 | 61 | - | - | - |
| Niger | 33 | 30 | 53 | - | - | - |
| Latin America | 338 | 352 | 412 | 663 | 381 | 464 |
| Argentina | 167 | 169 | 204 | 2 | 2 | 7 |
| Chile | 71 | 49 | 91 | - | - | - |
| Colombia | 5 | 1 | 9 | 37 | 83 | 40 |
| Mexico | 86 | 114 | 92 | 329 | 4 | 66 |
| Venezuela | - | - | - | 87 | 92 | 117 |
| Near East | 366 | 672 | 719 | 289 | 334 | 395 |
| Egypt | - | - | - | 97 | 114 | 95 |
| Turkey | 274 | 607 | 645 | - | - | - |
| Far East | 316 | 527 | 412 | 209 | 320 | 310 |
| Burma | 67 | 77 | 119 | - | - | - |
| India | 3 | 1 | 1 | 68 | 78 | 63 |
| Pakistan | 1 | - | 1 | 5 | 94 | 68 |
| Thailand | 209 | 212 | 250 | 1 | 1 | 2 |
| Asian CPE | 89 | 108 | 122 | 74 | 96 | 113 |
| China | 89 | 101 | 122 | 74 | 88 | 100 |
| Other Developing | - | - | - | 4 | 6 | 3 |
| DEVELOPED | 1,510 | 1,498 | 1,851 | 1,330 | 1,709 | 2,093 |
| North America | 842 | 680 | 810 | 48 | 48 | 50 |
| U.S.A. | 699 | 446 | 613 | 29 | 30 | 33 |
| Canada | 143 | 233 | 197 | 19 | 18 | 22 |
| Western Europe | 454 | 596 | 798 | 996 | 1,318 | 1,607 |
| E.E.C. | 434 | 586 | 786 | 877 | 1,198 | 1,436 |
| E. Europe & USSR | 129 | 117 | 109 | 55 | 39 | 53 |
| U.S.S.R. | 43 | 47 | 16 | - | - | - |
| Oceania | 77 | 105 | 123 | 13 | 17 | 11 |
| Australia | 32 | 64 | 71 | 11 | 14 | 8 |
| New Zealand | 44 | 41 | 52 | 2 | 3 | 3 |
| Other Developed | 9 | 1 | 12 | 218 | 287 | 366 |

Data Source: FAO Agricultural Commodity Projections to 1990