

LIST OF PARTICIPANTS

| <u>Name</u> | <u>Position</u> | <u>Institution</u> |
|--------------------------------|---|---|
| The Madagascar Side : | | |
| 1.RAMBELOSON François Richard | Directeur | Ministère des Eaux et Forêts Direction Inter-régionale des Eaux et Forêts Antananarivo |
| 2.RAZAFIMATRATRA Mahefason | Chef de Service Développement Forestier | Ministère des Eaux et Forêts Direction de la Gestion Durable des Ressources Forestières |
| 3.ANDRIAMANANORO Fidy | Chef Système d'Information Géographique Direction Générale Des Eaux et Forêts | Ministère des Eaux et Forêts |
| 4.NDRIANANJA Tevehery | Chef Division Etudes | Ministère des Eaux et Forêts |
| 5.RAOLINJATOVO Geneviève Marie | Chef de cellule Environnement Coordination Nationale Petit Périmètre Irriguée | Ministère de l' Agriculture |
| 6.RANDRIANARISOA Nhélon | Chef de Service Energie et Eau | Ministère de l' Energie et des Mines |
| 7.RANDIMBIMAHENIAA. | Chef de Service d' Appui à la Recherche Environnemental | Ministère de la Recherche Scientifique |
| 8.RABE Harimamana | Chef Service Planification Direction Générale des Plans | Ministère de l' Aménagement du Territoire et de la Ville |
| 9.SUGITA Eiji | Expert Japonais | Ministère des Eaux et Forêts |

Name Position Institution

The Japanese Side :

Study Team:

| | | |
|-------------------------|-------------|--|
| 1. HANDA Tsutomu | Team Leader | Japan Overseas Forestry Consultants Association (JOFCA) |
| 2. SAWANOBORI Yoshihide | Team Member | - do - |
| 3. MIURA Kazuya | Coordinator | - do - |
| 4. ARAI Tadao | Interpreter | - do - |

Embassy of Japan:

| | | |
|----------------|-----------------|--------------------------------|
| 1. SAITO Akira | First Secretary | Embassy of Japan in Madagascar |
|----------------|-----------------|--------------------------------|

SPECIFIC ISSUES DISCUSSED DURING THE MEETING

1. Regarding the fish farming activity in the Pilot Study area, some village had success on hatching fry but the other had not. Cause of the failure has not been identified yet whether it happened due to the management system of the villagers or the technical issue. The Pilot Study needs to continue to assess the reasons.
2. Fish farming activity on the fallow land has an important role for an effective land use system. Therefore, it is advisable to apply the fish farming program in each zone of the areas concerned taking into account of the results of the Pilot Study. It should be introduced to the farmers by their own initiatives.
3. The matter of water resource does not affect only the people lives in the periphery but also the surroundings. Therefore, it would be advisable if the committee of watershed management is registered as an authorized public sector. Thus, it will facilitate the committee to extend its role to other areas concerned.
4. Since the family plan is related to the property inheritance of the land in the Pilot Study area, this issue has to be taken into account for the component of future program for dissemination.
5. The Pilot Study will conclude to formulate the participatory watershed management plan on the basis of results of the pilot projects carried out in the previous year, and the plan should be feasible and manageable for the local population.
6. The proposed watershed management plan has a period of ten years which consists of first phase (five years) and second phase (five years). Details of the second phase plan will be formulated on the basis of assessment and evaluation of the overall activities during the first phase.

森林調査の結果(人工林、天然林)

Results of Plot Survey at Eucalyptus robusta Plantation

| | | | |
|---|--------------------------------|-----------------------|--------------------|
| Date | 4 May, 1998 | Plot size | 20 x 20m |
| Plot No. | 1 | Tree species | Eucalyptus robusta |
| G.P.S. | S19°04' 55" E47°51' 34" | Tree age | 15 years old |
| Location | Ambohipeno | Year after harvesting | 0 |
| Topo/Grade | Hill slope/East 20° | Spacing | about 2 x 3m |
| Soil | Yellow-brown soil, gravel rich | Forest floor | Bush, grass, fern |
| Complete enumeration | | Distance from village | 2.2 km |
| Remarks : Young regeneration trees exist Affected by forest fire | | | |

| No. | DBH | Height | Volume | No. | DBH | Height | Volume | No. | DBH | Height | Volume |
|-----|-----|--------|--------|-----|-----|--------|--------|-----|-----|--------|--------|
| 1 | 6 | 6 | | 41 | 10 | 9 | | 81 | | | |
| 2 | 14 | 7 | | 42 | 12 | 9 | | 82 | | | |
| 3 | 4 | 5 | | 43 | 22 | 14 | | 83 | | | |
| 4 | 6 | 6 | | 44 | 20 | 12 | | 84 | | | |
| 5 | 4 | 5 | | 45 | 26 | 13 | | 85 | | | |
| 6 | 14 | 8 | | 46 | 4 | 8 | | 86 | | | |
| 7 | 2 | 4 | | 47 | 20 | 16 | | 87 | | | |
| 8 | 12 | 9 | | 48 | 14 | 12 | | 88 | | | |
| 9 | 16 | 9 | | 49 | 14 | 12 | | 89 | | | |
| 10 | 4 | 5 | | 50 | 4 | 7 | | 90 | | | |
| 11 | 10 | 7 | | 51 | 6 | 4 | | 91 | | | |
| 12 | 4 | 5 | | 52 | | | | 92 | | | |
| 13 | 4 | 5 | | 53 | | | | 93 | | | |
| 14 | 8 | 7 | | 54 | | | | 94 | | | |
| 15 | 16 | 11 | | 55 | | | | 95 | | | |
| 16 | 16 | 9 | | 56 | | | | 96 | | | |
| 17 | 14 | 9 | | 57 | | | | 97 | | | |
| 18 | 10 | 8 | | 58 | | | | 98 | | | |
| 19 | 4 | 6 | | 59 | | | | 99 | | | |
| 20 | 16 | 10 | | 60 | | | | 100 | | | |
| 21 | 10 | 8 | | 61 | | | | 101 | | | |
| 22 | 8 | 9 | | 62 | | | | 102 | | | |
| 23 | 18 | 12 | | 63 | | | | 103 | | | |
| 24 | 16 | 11 | | 64 | | | | 104 | | | |
| 25 | 6 | 7 | | 65 | | | | 105 | | | |
| 26 | 12 | 11 | | 66 | | | | 106 | | | |
| 27 | 8 | 8 | | 67 | | | | 107 | | | |
| 28 | 14 | 10 | | 68 | | | | 108 | | | |
| 29 | 6 | 8 | | 69 | | | | 109 | | | |
| 30 | 20 | 11 | | 70 | | | | 110 | | | |
| 31 | 14 | 10 | | 71 | | | | 111 | | | |
| 32 | 4 | 4 | | 72 | | | | 112 | | | |
| 33 | 6 | 6 | | 73 | | | | 113 | | | |
| 34 | 14 | 9 | | 74 | | | | 114 | | | |
| 35 | 6 | 8 | | 75 | | | | 115 | | | |
| 36 | 12 | 9 | | 76 | | | | 116 | | | |
| 37 | 20 | 10 | | 77 | | | | 117 | | | |
| 38 | 8 | 8 | | 78 | | | | 118 | | | |
| 39 | 10 | 8 | | 79 | | | | 119 | | | |
| 40 | 20 | 14 | | 80 | | | | 120 | | | |

Results of Plot Survey at Eucalyptus robusta Plantation

| | | | |
|------------|--|-----------------------|--------------------------------|
| Date | 6 May, 1998 | Plot size | 20 x 20m |
| Plot No. | 2 | Tree species | Eucalyptus robusta |
| G.P.S. | S18° 57' 18" E47° 51' 48" | Tree age | 8 years old |
| Location | Ampasimpotsy | Year after harvesting | 8 years |
| Topo/Grade | Hill slope/North-east 12° | Spacing | about 1.5~2.0 x 1.5~2.0m |
| Soil | Brown clay soli, gravel rich Low organic matter | Forest floor | Anjavidy, Rambiazina Astoro |
| Remarks | North-west of Mantasua lake West of dam | Distance from village | 7km from Ambatolaona |

| No. | DBH | Height | Volume | No. | DBH | Height | Volume | No. | DBH | Height | Volume |
|-----|-----|--------|--------|-----|-----|--------|--------|-----|-----|--------|--------|
| 1 | 10 | 8 | | 27 | 10 | 11 | | | | | |
| 2 | 4 | 7 | | | 8 | 11 | | | | | |
| 3 | 8 | 7 | | | 8 | 10 | | | | | |
| | 10 | 8 | | | 8 | 8 | | | | | |
| 4 | 6 | 5 | | | 6 | 8 | | | | | |
| | 8 | 6 | 28 | | 6 | 9 | | | | | |
| 5 | 10 | 7 | | | 6 | 7 | | | | | |
| 6 | 8 | 5 | | | 12 | 12 | | | | | |
| | 6 | 5 | 29 | | 6 | 8 | | | | | |
| | 8 | 6 | 30 | | 8 | 9 | | | | | |
| | 6 | 6 | | | 8 | 8 | | | | | |
| | 6 | 6 | 31 | | 10 | 9 | | | | | |
| 7 | 8 | 8 | | 32 | 6 | 7 | | | | | |
| | 8 | 8 | | 33 | 6 | 8 | | | | | |
| 8 | 6 | 7 | | 34 | 14 | 8 | | | | | |
| 9 | 6 | 7 | | 35 | 6 | 10 | | | | | |
| 10 | 8 | 7 | | 36 | 6 | 8 | | | | | |
| 11 | 6 | 6 | | 37 | 10 | 7 | | | | | |
| 12 | 6 | 7 | | 38 | 12 | 11 | | | | | |
| | 6 | 7 | | | 8 | 11 | | | | | |
| 13 | 10 | 8 | | | 6 | 7 | | | | | |
| 14 | 8 | 9 | | 39 | 8 | 11 | | | | | |
| 15 | 6 | 7 | | | 10 | 11 | | | | | |
| 16 | 8 | 10 | | | 10 | 11 | | | | | |
| 17 | 6 | 7 | | | 8 | 10 | | | | | |
| 18 | 6 | 6 | | 40 | 8 | 9 | | | | | |
| 19 | 6 | 7 | | 41 | 6 | 7 | | | | | |
| | 6 | 7 | | 42 | 6 | 8 | | | | | |
| 20 | 10 | 10 | | 43 | 6 | 7 | | | | | |
| 21 | 6 | 8 | | | | | | | | | |
| | 6 | 8 | | | | | | | | | |
| 22 | 8 | 10 | | | | | | | | | |
| | 6 | 9 | | | | | | | | | |
| | 6 | 9 | | | | | | | | | |
| 23 | 8 | 9 | | | | | | | | | |
| 24 | 10 | 10 | | | | | | | | | |
| 25 | 6 | 9 | | | | | | | | | |
| 26 | 10 | 10 | | | | | | | | | |
| | 10 | 10 | | | | | | | | | |

Results of Plot Survey at Eucalyptus robusta Plantation

| | | | |
|------------|---|-----------------------|----------------------|
| Date | 7 May, 1998 | Plot size | 20 x 50m |
| Plot No. | 3 | Tree species | Eucalyptus robusta |
| G.P.S. | S19° 03' 43" E47° 50' 04" | Planted year | 1948 |
| Location | Fandanjana | Year after harvesting | 0 |
| Topo/Grade | Hill slope/North 20° | Spacing | |
| Soil | Brown-gray clay soil | Forest floor | No grasses |
| | | Distance from village | 2 km from Ambohipeno |
| Remarks | Undergrowth: Few Acacia dealbata (~3m) exists To be harvested for lumber, seeds are collected and sold out | | |

| No. | DBH | Height | Volume | No. | DBH | Height | Volume | No. | DBH | Height | Volume |
|-----|-----|--------|--------|-----|-----|--------|--------|-----|-----|--------|--------|
| 1 | 26 | 23 | | 41 | 50 | 31 | | 81 | 8 | 7 | |
| 2 | 24 | 22 | | 42 | 8 | 7 | | 82 | 8 | 7 | |
| 3 | 50 | 31 | | 43 | 20 | 19 | | 83 | 28 | 24 | |
| 4 | 10 | 10 | | 44 | 6 | 4 | | 84 | 16 | 16 | |
| 5 | 8 | 7 | | 45 | 36 | 27 | | 85 | 10 | 10 | |
| 6 | 32 | 25 | | 46 | 24 | 22 | | 86 | 16 | 16 | |
| 7 | 36 | 27 | | 47 | 10 | 10 | | 87 | 8 | 7 | |
| 8 | 12 | 13 | | 48 | 22 | 20 | | 88 | 10 | 10 | |
| 9 | 28 | 24 | | 49 | 64 | 34 | | 89 | 8 | 4 | |
| 10 | 8 | 7 | | 50 | 18 | 18 | | 90 | 10 | 10 | |
| 11 | 14 | 15 | | 51 | 10 | 10 | | 91 | 8 | 7 | |
| 12 | 26 | 23 | | 52 | 54 | 32 | | 92 | 10 | 10 | |
| 13 | 18 | 18 | | 53 | 26 | 23 | | 93 | 14 | 15 | |
| 14 | 6 | 4 | | 54 | 24 | 22 | | 94 | 8 | 7 | |
| 15 | 12 | 13 | | 55 | 10 | 10 | | 95 | 52 | 31 | |
| 16 | 38 | 27 | | 56 | 42 | 29 | | 96 | 12 | 13 | |
| 17 | 26 | 23 | | 57 | 12 | 13 | | 97 | 10 | 10 | |
| 18 | 26 | 23 | | 58 | 30 | 24 | | 98 | 10 | 10 | |
| 19 | 6 | 4 | | 59 | 26 | 23 | | 99 | 6 | 4 | |
| 20 | 34 | 26 | | 60 | 18 | 18 | | 100 | 8 | 7 | |
| 21 | 24 | 22 | | 61 | 22 | 20 | | 101 | 12 | 13 | |
| 22 | 6 | 4 | | 62 | 20 | 19 | | 102 | 12 | 13 | |
| 23 | 42 | 29 | | 63 | 24 | 22 | | 103 | 50 | 31 | |
| 24 | 18 | 18 | | 64 | 20 | 19 | | 104 | 40 | 28 | |
| 25 | 36 | 27 | | 65 | 48 | 30 | | 105 | 26 | 23 | |
| 26 | 8 | 7 | | 66 | 40 | 28 | | 106 | 12 | 13 | |
| 27 | 20 | 19 | | 67 | 22 | 20 | | 107 | 12 | 13 | |
| 28 | 12 | 13 | | 68 | 18 | 18 | | 108 | 10 | 10 | |
| 29 | 12 | 13 | | 69 | 12 | 13 | | 109 | 56 | 32 | |
| 30 | 52 | 31 | | 70 | 30 | 24 | | 110 | | | |
| 31 | 34 | 26 | | 71 | 18 | 18 | | 111 | | | |
| 32 | 42 | 29 | | 72 | 40 | 28 | | 112 | | | |
| 33 | 44 | 29 | | 73 | 32 | 25 | | 113 | | | |
| 34 | 24 | 22 | | 74 | 52 | 31 | | 114 | | | |
| 35 | 16 | 16 | | 75 | 14 | 15 | | 115 | | | |
| 36 | 8 | 7 | | 76 | 6 | 4 | | 116 | | | |
| 37 | 36 | 27 | | 77 | 10 | 10 | | 117 | | | |
| 38 | 34 | 26 | | 78 | 8 | 7 | | 118 | | | |
| 39 | 14 | 15 | | 79 | 18 | 18 | | 119 | | | |
| 40 | 24 | 22 | | 80 | 6 | 4 | | 120 | | | |

Results of Plot Survey at *Eucalyptus robsta* Plantation Sheet 1

| | | | |
|-------------|--|-----------------------|---------------------------|
| Date | 27 May, 1998 | Plot size | 20 x 50m |
| Plot No. | 4 | Tree species | <i>Eucalyptus robusta</i> |
| GPS | S19° 15' 06" E47° 47' 09" | Planted year | 1978 |
| | | Year after harvest | 1.5 year |
| Location | Mandritsara | Spacing | 2 x 2m |
| Topography | Hill top, flat | Forest floor | No undergrowth |
| Slope, Grad | North-east, 4° | Distance from village | 1km from Ambohimadana |
| Soil | Redish brown, no surface s | Mesuring method | DBH6cmup, each 2cm |
| Remarks | No undergrowth, Growth r was not clear, No heart wood developed, Plenty coppices below DBH 6 cm grow | | |

| No. | DBH | Height | Volume | No. | DBH | Height | Volume | No. | DBH | Height | Volume |
|-----|-----|--------|--------|-----|-----|--------|--------|-----|-----|--------|--------|
| 1 | 8 | 8 | | 33 | 8 | 8 | | 61 | 6 | 7 | |
| 2 | 8 | 8 | | 34 | 6 | 7 | | | 6 | 7 | |
| | 8 | 7 | | 35 | 8 | 7 | | 62 | 6 | 8 | |
| 3 | 8 | 9 | | | 8 | 7 | | 63 | 6 | 7 | |
| 4 | 8 | 7 | | 36 | 6 | 6 | | | 6 | 7 | |
| | 6 | 7 | | 37 | 6 | 6 | | | 6 | 7 | |
| 5 | 10 | 8 | | 38 | 6 | 7 | | 64 | 10 | 8 | |
| 6 | 8 | 8 | | 39 | 6 | 6 | | 65 | 6 | 7 | |
| 7 | 8 | 9 | | 40 | 6 | 7 | | 66 | 6 | 6 | |
| 8 | 8 | 8 | | 41 | 6 | 6 | | | 8 | 7 | |
| 9 | 6 | 9 | | | 6 | 7 | | | 10 | 9 | |
| 10 | 8 | 8 | | | 10 | 9 | | | 10 | 9 | |
| 11 | 6 | 8 | | | 8 | 8 | | 67 | 6 | 6 | |
| 12 | 8 | 9 | | 42 | 8 | 8 | | 68 | 6 | 6 | |
| 13 | 6 | 7 | | 43 | 8 | 8 | | | 8 | 8 | |
| 14 | 6 | 7 | | 44 | 8 | 7 | | | 8 | 8 | |
| 15 | 6 | 7 | | 45 | 6 | 6 | | 69 | 6 | 7 | |
| 16 | 10 | 9 | | 46 | 6 | 7 | | | 8 | 8 | |
| 17 | 10 | 9 | | | 8 | 7 | | 70 | 6 | 7 | |
| 18 | 6 | 8 | | 47 | 8 | 7 | | 71 | 8 | 8 | |
| | 8 | 8 | | 48 | 8 | 9 | | | 10 | 9 | |
| 19 | 10 | 9 | | 49 | 8 | 9 | | 72 | 6 | 7 | |
| 20 | 6 | 7 | | 50 | 8 | 7 | | | 6 | 6 | |
| 21 | 8 | 9 | | 51 | 6 | 7 | | 73 | 8 | 9 | |
| 22 | 6 | 9 | | 52 | 6 | 5 | | 74 | 6 | 8 | |
| 23 | 8 | 8 | | 53 | 6 | 5 | | 75 | 8 | 9 | |
| 24 | 10 | 9 | | 54 | 10 | 8 | | | 6 | 7 | |
| | 8 | 8 | | 55 | 8 | 8 | | 76 | 8 | 8 | |
| 25 | 6 | 7 | | 56 | 10 | 8 | | 77 | 8 | 9 | |
| 26 | 10 | 9 | | 57 | 6 | 7 | | 78 | 6 | 6 | |
| | 8 | 8 | | | 8 | 7 | | 79 | 6 | 7 | |
| | 6 | 6 | | 58 | 6 | 6 | | | 6 | 7 | |
| 27 | 6 | 8 | | | 8 | 7 | | 80 | 6 | 7 | |
| 28 | 6 | 7 | | | 10 | 8 | | | 6 | 6 | |
| 29 | 8 | 9 | | | 6 | 6 | | 81 | 6 | 6 | |
| | 6 | 8 | | | 6 | 6 | | 82 | 6 | 7 | |
| 30 | 10 | 8 | | | 8 | 8 | | 83 | 6 | 6 | |
| 31 | 8 | 8 | | 59 | 6 | 8 | | 84 | 8 | 8 | |
| | 6 | 6 | | | 6 | 7 | | 85 | 8 | 8 | |
| 32 | 6 | 7 | | 60 | 6 | 6 | | | 8 | 7 | |

| No. | DBH | Height | Volume | No. | DBH | Height | Volume | No. | DBH | Height | Volume |
|-----|-----|--------|--------|-----|-----|--------|--------|-----|-----|--------|--------|
| 86 | 10 | 8 | | 113 | 10 | 9 | | | | | |
| | 8 | 6 | | | 10 | 9 | | | | | |
| | 6 | 6 | | | 8 | 8 | | | | | |
| 87 | 6 | 6 | | | 6 | 6 | | | | | |
| 88 | 8 | 9 | | 114 | 8 | 8 | | | | | |
| | 6 | 6 | | | 8 | 7 | | | | | |
| 89 | 8 | 7 | | | 6 | 7 | | | | | |
| | 8 | 7 | | 115 | 8 | 7 | | | | | |
| | 6 | 6 | | | 8 | 8 | | | | | |
| 90 | 8 | 7 | | | | | | | | | |
| 91 | 6 | 6 | | | | | | | | | |
| 92 | 6 | 6 | | | | | | | | | |
| 93 | 8 | 7 | | | | | | | | | |
| | 8 | 8 | | | | | | | | | |
| 94 | 6 | 7 | | | | | | | | | |
| 95 | 6 | 7 | | | | | | | | | |
| 96 | 6 | 6 | | | | | | | | | |
| 97 | 6 | 7 | | | | | | | | | |
| 98 | 6 | 6 | | | | | | | | | |
| 99 | 6 | 6 | | | | | | | | | |
| 100 | 8 | 7 | | | | | | | | | |
| 101 | 6 | 6 | | | | | | | | | |
| | 8 | 7 | | | | | | | | | |
| | 10 | 8 | | | | | | | | | |
| 102 | 8 | 7 | | | | | | | | | |
| | 8 | 8 | | | | | | | | | |
| 103 | 6 | 6 | | | | | | | | | |
| | 6 | 7 | | | | | | | | | |
| 104 | 6 | 7 | | | | | | | | | |
| 105 | 6 | 7 | | | | | | | | | |
| | 6 | 7 | | | | | | | | | |
| 106 | 6 | 7 | | | | | | | | | |
| 107 | 8 | 8 | | | | | | | | | |
| | 6 | 6 | | | | | | | | | |
| 108 | 6 | 7 | | | | | | | | | |
| 109 | 6 | 7 | | | | | | | | | |
| 110 | 6 | 6 | | | | | | | | | |
| 111 | 6 | 7 | | | | | | | | | |
| | 6 | 6 | | | | | | | | | |
| 112 | 6 | 7 | | | | | | | | | |

| Results of Plot Survey at Pine Plantation | | | |
|---|---|-----------------------|--|
| Date | 7 May, 1999 | Plot size | 20 x 50m |
| Plot No. | 5 | Tree species | P. kesiya, P.patula, P. chinensis |
| G.P.S. | S19° 00' 00" | Planted year | 1952 |
| | E47° 51' 44" | Year after harvesting | 0 |
| Location | Antsahondra | Spacing | about 2 x 2m |
| Topography | Lake side(west), Mantasoa | Forest floor | Natural regeneration rich, Shrub exists |
| Grade | South-west 5° | | |
| Soil | Yellow-brown, gravel rich A layer: 14cm(humus layer) | Land category | Land for cottage |
| Remarks | Natural regeneration exists Affected by forest fire | | |

Abbreviation: PK=P. kesiya, PP=P. patula, PC=P. chinensis

| No. | Species | DBH | Volume | No. | Species | DBH | Volume | No. | Species | DBH | Volume |
|-----|---------|-----|--------|-----|---------|-----|--------|-----|---------|-----|--------|
| 1 | PK | 30 | | 41 | PK | 32 | | 81 | PK | 10 | |
| 2 | " | 32 | | 42 | " | 24 | | 82 | " | 6 | |
| 3 | " | 8 | | 43 | " | 8 | | 83 | PP | 6 | |
| 4 | " | 6 | | 44 | " | 12 | | 84 | " | 18 | |
| 5 | " | 8 | | 45 | " | 8 | | 85 | " | 24 | |
| 6 | " | 22 | | 46 | " | 6 | | 86 | " | 18 | |
| 7 | " | 30 | | 47 | " | 14 | | 87 | " | 30 | |
| 8 | " | 38 | | 48 | " | 28 | | 88 | " | 12 | |
| 9 | " | 14 | | 49 | " | 16 | | 89 | " | 14 | |
| 10 | " | 28 | | 50 | " | 12 | | 90 | " | 10 | |
| 11 | " | 8 | | 51 | " | 16 | | 91 | " | 14 | |
| 12 | " | 6 | | 52 | " | 14 | | 92 | " | 14 | |
| 13 | " | 6 | | 53 | " | 22 | | 93 | " | 16 | |
| 14 | " | 8 | | 54 | " | 18 | | 94 | " | 6 | |
| 15 | " | 12 | | 55 | " | 12 | | 95 | " | 12 | |
| 16 | " | 18 | | 56 | " | 8 | | 96 | " | 20 | |
| 17 | " | 8 | | 57 | " | 12 | | 97 | " | 18 | |
| 18 | " | 38 | | 58 | " | 16 | | 98 | " | 10 | |
| 19 | " | 8 | | 59 | " | 16 | | 99 | " | 16 | |
| 20 | " | 14 | | 60 | " | 16 | | 100 | " | 18 | |
| 21 | " | 26 | | 61 | " | 42 | | 101 | " | 16 | |
| 22 | " | 20 | | 62 | " | 8 | | 102 | " | 12 | |
| 23 | " | 12 | | 63 | " | 10 | | 103 | " | 14 | |
| 24 | " | 32 | | 64 | " | 24 | | 104 | " | 16 | |
| 25 | " | 8 | | 65 | " | 8 | | 105 | PC | 48 | |
| 26 | " | 12 | | 66 | " | 22 | | 106 | " | 10 | |
| 27 | " | 20 | | 67 | " | 18 | | 107 | " | 36 | |
| 28 | " | 8 | | 68 | " | 18 | | 108 | " | 32 | |
| 29 | " | 18 | | 69 | " | 16 | | 109 | " | 36 | |
| 30 | " | 8 | | 70 | " | 32 | | 110 | | | |
| 31 | " | 32 | | 71 | " | 14 | | 111 | | | |
| 32 | " | 34 | | 72 | " | 24 | | 112 | | | |
| 33 | " | 28 | | 73 | " | 10 | | 113 | | | |
| 34 | " | 6 | | 74 | " | 18 | | 114 | | | |
| 35 | " | 32 | | 75 | " | 12 | | 115 | | | |
| 36 | " | 6 | | 76 | " | 14 | | 116 | | | |
| 37 | " | 26 | | 77 | " | 16 | | 117 | | | |
| 38 | " | 6 | | 78 | " | 16 | | 118 | | | |
| 39 | " | 6 | | 79 | " | 52 | | 119 | | | |
| 40 | " | 18 | | 80 | " | 32 | | 120 | | | |

Results of Plot Survey at Natural Forest

Sheet No. 1

| | | |
|--------------------|-------------------------|---|
| Plot Number | 6 | (Remarks) *12 stumps found in a plot *Palm tree(Ravenea robustior) exists *Forest was disturbed by local people before Nov. '98. |
| Date | 21 May, 1998 | |
| G.P.S. | S18°57' 35" E47°54' 05" | |
| Location | Antananaribokely | |
| Topography | Hill slope | |
| Soil | Yellow brown clay soil | |
| Direction of slope | South-east-south | |
| Gradiance | 30 - 35° | |
| Plot size | 20 x 50m | |
| Measured tree | Over 10m height | |

| | Species | D(cm) | H(m) | | Species | D(cm) | H(m) |
|----|----------------------------|-------|------|----|---------------------------|-------|------|
| 1 | <i>Agauria sp.</i> | 11 | 12 | 41 | <i>Ocotea sp.</i> | 11 | 10 |
| 2 | <i>Agauria sp.</i> | 10 | 9 | 42 | <i>Polyscias sp.</i> | 11 | 7 |
| 3 | <i>Agauria sp.</i> | 13 | 11 | 43 | <i>Polyscias sp.</i> | 12 | 8 |
| 4 | <i>Anthocleista sp.</i> | 11 | 8 | 44 | <i>Polyscias sp.</i> | 10 | 9 |
| 5 | <i>Anthocleista sp.</i> | 11 | 9 | 45 | <i>Polyscias sp.</i> | 12 | 8 |
| 6 | <i>Anthocleista sp.</i> | 10 | 7 | 46 | <i>Polyscias sp.</i> | 13 | 9 |
| 7 | <i>Anthocleista sp.</i> | 11 | 7 | 47 | <i>Polyscias sp.</i> | 16 | 11 |
| 8 | <i>Anthocleista sp.</i> | 10 | 9 | 48 | <i>Ravensara sp.</i> | 11 | 11 |
| 9 | <i>Anthocleista sp.</i> | 16 | 11 | 49 | <i>Schefflera sp.</i> | 13 | 7 |
| 10 | <i>Anthocleista sp.</i> | 10 | 11 | 50 | <i>Schefflera sp.</i> | 21 | 14 |
| 11 | <i>Anthocleista sp.</i> | 19 | 9 | 51 | <i>Schefflera sp.</i> | 11 | 7 |
| 12 | <i>Aphloia theaeformis</i> | 11 | 7 | 52 | <i>Schefflera sp.</i> | 10 | 9 |
| 13 | <i>Aphloia theaeformis</i> | 12 | 7 | 53 | <i>Schefflera sp.</i> | 15 | 13 |
| 14 | <i>Aphloia theaeformis</i> | 11 | 7 | 54 | <i>Schefflera sp.</i> | 11 | 10 |
| 15 | <i>Brachylaena sp.</i> | 14 | 10 | 55 | <i>Schefflera sp.</i> | 18 | 9 |
| 16 | <i>Brachylaena sp.</i> | 15 | 13 | 56 | <i>Sloanea sp.</i> | 14 | 13 |
| 17 | <i>Brachylaena sp.</i> | 10 | 7 | 57 | <i>Sloanea sp.</i> | 16 | 12 |
| 18 | <i>Brachylaena sp.</i> | 11 | 10 | 58 | <i>Symphonia sp.</i> | 13 | 14 |
| 19 | <i>Canthium sp.</i> | 10 | 8 | 59 | <i>Tambourissa sp.</i> | 11 | 8 |
| 20 | <i>Canthium sp.</i> | 11 | 9 | 60 | <i>Tambourissa sp.</i> | 11 | 7 |
| 21 | <i>Canthium sp.</i> | 14 | 11 | 61 | <i>Tambourissa sp.</i> | 10 | 11 |
| 22 | <i>Canthium sp.</i> | 10 | 13 | 62 | <i>Tambourissa sp.</i> | 12 | 11 |
| 23 | <i>Canthium sp.</i> | 10 | 12 | 63 | <i>Tambourissa sp.</i> | 14 | 11 |
| 24 | <i>Canthium sp.</i> | 11 | 10 | 64 | <i>Tambourissa sp.</i> | 12 | 10 |
| 25 | <i>Canthium sp.</i> | 14 | 9 | 65 | <i>Tambourissa sp.</i> | 10 | 12 |
| 26 | <i>Canthium sp.</i> | 11 | 7 | 66 | <i>Tambourissa sp.</i> | 11 | 11 |
| 27 | <i>Canthium sp.</i> | 10 | 7 | 67 | <i>Tina chapelieriana</i> | 11 | 15 |
| 28 | <i>Canthium sp.</i> | 11 | 11 | 68 | <i>Tina chapelieriana</i> | 17 | 13 |
| 29 | <i>Canthium sp.</i> | 10 | 8 | 69 | <i>Tina chapelieriana</i> | 11 | 12 |
| 30 | <i>Canthium sp.</i> | 13 | 14 | 70 | <i>Tina chapelieriana</i> | 11 | 12 |
| 31 | <i>Canthium sp.</i> | 14 | 8 | 71 | <i>Tina chapelieriana</i> | 11 | 8 |
| 32 | <i>Deuteromalotus sp.</i> | 16 | 12 | 72 | <i>Tina chapelieriana</i> | 16 | 14 |
| 33 | <i>Garcinia sp.</i> | 10 | 10 | 73 | <i>Vitex coursii</i> | 10 | 10 |
| 34 | <i>Garcinia sp.</i> | 11 | 8 | 74 | <i>Weinmannia sp.</i> | 10 | 8 |
| 35 | <i>Homalium sp.</i> | 13 | 12 | 75 | <i>Weinmannia sp.</i> | 18 | 14 |
| 36 | <i>Ilex mitis</i> | 10 | 11 | 76 | <i>Weinmannia sp.</i> | 11 | 11 |
| 37 | <i>Ilex mitis</i> | 14 | 12 | 77 | <i>Weinmannia sp.</i> | 13 | 10 |
| 38 | <i>Malleastrum sp.</i> | 21 | 14 | 78 | <i>Weinmannia sp.</i> | 10 | 7 |
| 39 | <i>Ochrocarpos sp.</i> | 14 | 10 | 79 | <i>Weinmannia sp.</i> | 18 | 12 |
| 40 | <i>Ocotea sp.</i> | 11 | 8 | 80 | <i>Weinmannia sp.</i> | 10 | 13 |
| | | | | 81 | <i>Weinmannia sp.</i> | 10 | 9 |
| | | | | 82 | <i>Weinmannia sp.</i> | 13 | 12 |
| | | | | 83 | <i>Weinmannia sp.</i> | 15 | 13 |
| | | | | 84 | <i>Xylopi sp.</i> | 15 | 12 |

D : Diameter breast height(cm), H : Tree height(m)

Results of Plot Survey at Natural Forest

Sheet No. 2

| | | |
|--------------------|---------------------------|-----------|
| Plot Number | 6 | (Remarks) |
| Date | 21 May, 1998 | |
| G.P.S. | S18° 57' 35" E47° 54' 05" | |
| Location | Antananaribokely | |
| Topography | Hill slope | |
| Soil | Yellow brown clay soil | |
| Direction of slope | South-east-south | |
| Gradiance | 30° | |
| Plot size | 10 x 10m | |
| Measured tree | DBH: 4~9cm | |

| | Species | D(cm) | H(m) | aveD | No | Species | D(cm) | H(m) | aveD |
|----|----------------------------|-------|------|------|----|---------|-------|------|------|
| 1 | <i>Ampalis sp.</i> | 4 | | 4 | 1 | | | | |
| 2 | <i>Anthocleista sp.</i> | 8 | | 8 | 1 | | | | |
| 3 | <i>Aphloia theaeformis</i> | 5 | | 6.3 | 3 | | | | |
| 4 | <i>Aphloia theaeformis</i> | 7 | | | | | | | |
| 5 | <i>Aphloia theaeformis</i> | 7 | | | | | | | |
| 6 | <i>Brachylaena sp.</i> | 7 | | 7.3 | 3 | | | | |
| 7 | <i>Brachylaena sp.</i> | 8 | | | | | | | |
| 8 | <i>Brachylaena sp.</i> | 7 | | | | | | | |
| 9 | <i>Canthium sp.</i> | 4 | | 5.7 | 3 | | | | |
| 10 | <i>Canthium sp.</i> | 8 | | | | | | | |
| 11 | <i>Canthium sp.</i> | 5 | | | | | | | |
| 12 | <i>Elaeocarpus sp.</i> | 7 | | 6.7 | 3 | | | | |
| 13 | <i>Elaeocarpus sp.</i> | 6 | | | | | | | |
| 14 | <i>Elaeocarpus sp.</i> | 7 | | | | | | | |
| 15 | <i>Eugenia emirnensis</i> | 6 | | 6.5 | 2 | | | | |
| 16 | <i>Eugenia emirnensis</i> | 7 | | | | | | | |
| 17 | <i>Ilex mitis</i> | 4 | | 4 | 1 | | | | |
| 18 | <i>Memecylon sp.</i> | 5 | | 5 | 1 | | | | |
| 19 | <i>Ravensara sp.</i> | 9 | | | 2 | | | | |
| 20 | <i>Ravensara sp.</i> | 9 | | 9 | | | | | |
| 21 | <i>Tambourissa sp.</i> | 9 | | 7.4 | 7 | | | | |
| 22 | <i>Tambourissa sp.</i> | 6 | | | | | | | |
| 23 | <i>Tambourissa sp.</i> | 7 | | | | | | | |
| 24 | <i>Tambourissa sp.</i> | 4 | | | | | | | |
| 25 | <i>Tambourissa sp.</i> | 8 | | | | | | | |
| 26 | <i>Tambourissa sp.</i> | 9 | | | | | | | |
| 27 | <i>Tambourissa sp.</i> | 9 | | | | | | | |
| 28 | <i>Weinmannia sp.</i> | 5 | | 7 | 2 | | | | |
| 29 | <i>Weinmannia sp.</i> | 9 | | | | | | | |
| 30 | | | | | | | | | |
| 31 | Total Number | | | | 29 | | | | |
| 32 | | | | | | | | | |
| 33 | | | | | | | | | |
| 34 | | | | | | | | | |
| 35 | | | | | | | | | |
| 36 | | | | | | | | | |
| 37 | | | | | | | | | |
| 38 | | | | | | | | | |
| 39 | | | | | | | | | |
| 40 | | | | | | | | | |

D : Diameter breast height(cm), H : Height(m), aveD : average of diameter, No : Number of trees

Results of Plot Survey at Natural Forest

Sheet No. 3

| | |
|--------------------|---------------------------|
| Plot number | 6 |
| Date | 21 May, 1998 |
| G.P.S. | S18° 57' 35" E47° 54' 05" |
| Location | Antananaribokely |
| Topography | Hill slope |
| Soil | Yellow brown clay soil |
| Direction of slope | South-east-south |
| Gradience | 35° |
| Plot size | 2 x 2m |
| Measured tree: | Undergrowth above 1m high |

(Remarks)

| | Species | D(cm) | H(m) | | | Species | D(cm) | H(m) | | |
|----|-------------------------|-------|------|--|--|---------|-------|------|--|--|
| 1 | <i>Apodocephala sp.</i> | | | | | | | | | |
| 2 | <i>Apodocephala sp.</i> | | | | | | | | | |
| 3 | <i>Apodocephala sp.</i> | | | | | | | | | |
| 4 | <i>Ceoton sp.</i> | | | | | | | | | |
| 5 | <i>Dombeya sp.</i> | | | | | | | | | |
| 6 | <i>Macaranga sp</i> | | | | | | | | | |
| 7 | <i>Macaranga sp</i> | | | | | | | | | |
| 8 | <i>Tambourissa sp.</i> | | | | | | | | | |
| 9 | <i>Tambourissa sp.</i> | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
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| 20 | | | | | | | | | | |
| 21 | | | | | | | | | | |
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| 26 | | | | | | | | | | |
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| 31 | | | | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | | | | | | | | | | |
| 34 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 36 | | | | | | | | | | |
| 37 | | | | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | | | | | | | | | | |
| 40 | | | | | | | | | | |

D : Diameter breast height(cm), H : Tree height(m)

| Species | No | a D | a H |
|-----------------------------|----|-----|-----|
| <i>Agauria sp.</i> | 3 | 11 | 11 |
| <i>Anthocleista sp.</i> | 8 | 12 | 9 |
| <i>Aphloia theaeiformis</i> | 3 | 11 | 7 |
| <i>Brachylaena sp.</i> | 4 | 13 | 10 |
| <i>Canthium sp.</i> | 13 | 11 | 10 |
| <i>Deuteromalotus sp.</i> | 1 | 16 | 17 |
| <i>Garcinia sp.</i> | 2 | 11 | 9 |
| <i>Homalium sp.</i> | 1 | 13 | 14 |
| <i>Ilex mitis</i> | 2 | 12 | 12 |
| <i>Malleastrum sp.</i> | 1 | 21 | 14 |
| <i>Ochrocarpos sp.</i> | 1 | 14 | 10 |
| <i>Ocotea sp.</i> | 2 | 11 | 9 |
| <i>Polyscias sp.</i> | 6 | 12 | 9 |
| <i>Ravensara sp.</i> | 1 | 11 | 11 |
| <i>Schefflera sp.</i> | 7 | 14 | 10 |
| <i>Sloanea sp.</i> | 2 | 15 | 13 |
| <i>Symphonia sp.</i> | 1 | 13 | 14 |
| <i>Tambourissa sp.</i> | 8 | 11 | 10 |
| <i>Tina chapelieriana</i> | 6 | 13 | 12 |
| <i>Vitex coursii</i> | 1 | 10 | 11 |
| <i>Weinmannia sp.</i> | 10 | 13 | 11 |
| <i>Xylopia sp.</i> | 1 | 15 | 12 |
| Total | 84 | | |

No : Nnumber of trees, a D : average of DBH, a H : average of tree heig

Results of Plot Survey at Natural Forest

| | | |
|--------------------|--------------------------|--|
| Plot Number | 7 | (Remarks) *Species were identified by binocular *Natural forest remains on bottom of valley *Commercial big trees were felled |
| Date | 21 May. 1998 | |
| G.P.S. | S18° 57'49". E47° 54'21" | |
| Location | Manampisoa | |
| Topography | Valley | |
| Soil | Yellow brown clay soil | |
| Direction of slope | South east | |
| Gradience | about 20° | |
| Plot size | | |
| Measured tree | over 15m high | |

| | Species | Utilization | | Species | Utilization | |
|----|--------------------------------------|-----------------|------|---------|-------------|--|
| 1 | <i>Anthocleista madagascariensis</i> | | many | | | |
| 2 | <i>Aphloia theaeiformis</i> | | | | | |
| 3 | <i>Brachylaena ramiflora</i> | | many | | | |
| 4 | <i>Canthium sp.</i> | | | | | |
| 5 | <i>Croton sp.</i> | | | | | |
| 6 | <i>Dichaetanthera sp.</i> | | many | | | |
| 7 | <i>Dilobeia thouarsii</i> | | | | | |
| 8 | <i>Dombeya sp.</i> | | many | | | |
| 9 | <i>Enterospermum sp.</i> | | | | | |
| 10 | <i>Eugenia emirnesis</i> | Commercial tree | | | | |
| 11 | <i>Garcinia sp.</i> | Commercial tree | | | | |
| 12 | <i>Grewia cuneifolia</i> | | | | | |
| 13 | <i>Harungana madagascariensis</i> | | | | | |
| 14 | <i>Homalium sp.</i> | Commercial tree | | | | |
| 15 | <i>Ilex mitis</i> | Commercial tree | | | | |
| 16 | <i>Ocotea sp.</i> | Commercial tree | | | | |
| 17 | <i>Polyscias sp.</i> | | many | | | |
| 18 | <i>Ravenea robustior (Palmier)</i> | | | | | |
| 19 | <i>Ravensara crassifolid</i> | Commercial tree | many | | | |
| 20 | <i>Rhotmannia talagnignia</i> | | | | | |
| 21 | <i>Scheffera vantsilana</i> | | many | | | |
| 22 | <i>Sloanea rhodantha</i> | | many | | | |
| 23 | <i>Symphonia sp</i> | Commercial tree | | | | |
| 24 | <i>Tambourissa sp.</i> | Commercial tree | | | | |
| 25 | <i>Trema orientalis</i> | | | | | |
| 26 | <i>Weinmannia rutenbergii</i> | Commercial tree | many | | | |
| 27 | <i>Wlaedcarpus alnifolius</i> | | | | | |
| 28 | <i>Zanthoxylum madagascariensis</i> | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | | | |
| 34 | | | | | | |
| 35 | | | | | | |
| 36 | | | | | | |
| 37 | | | | | | |
| 38 | | | | | | |
| 39 | | | | | | |
| 40 | | | | | | |

林業(伐採、加工、輸出)に関わる樹木の分類

第一カテゴリー

(特別樹種/伐採禁止樹種)

| 学名 | 科 | ローカル名 |
|-----------------------------------|-------------|-------------|
| <i>Erythrophleum couminga</i> | Leguminosae | Kimanga |
| <i>Hernandia voyroni</i> | Lauraceae | Hazomamanga |
| <i>Santalina madagascariensis</i> | " | Masinjana |

第二カテゴリー

(キャビネット、造作材用、高級材)

| | 学名 | 科 | ローカル名 |
|---------------------|-------------------------------------|---------------|----------------|
| 1. Rosewood | | | |
| | <i>Darbergia louvelii</i> | Leguminosae | Volombodipona |
| 2. Ebony | | | |
| | <i>Diospyros perrieri</i> | Ebenaceae | Hazomainty |
| 3. Palissander wood | | | |
| | <i>Albizzia bellula</i> | Leguminosae | Manarizoby |
| | <i>Dalbergia baroni</i> | " | Voamboana |
| | <i>Dalbergia greveana</i> | " | Manary |
| | <i>Dalbergia ikopensis</i> | " | " |
| | <i>Dalbergia pterocarpifolia</i> | " | Sovoka |
| | <i>Dalbergia retusa</i> | " | Manarizoby |
| | <i>Dalbergia trichocarpa</i> | " | Manikipa |
| | <i>Dalbergia tricolor</i> | " | " |
| 4. others | | | |
| | <i>Azelia bijuga</i> | Leguminosae | Hintsy |
| | <i>Brachylaena ramiflora.</i> | Compositae | Merana |
| | <i>Brachylaena sp.</i> | Compositae | Tendrokazo |
| | <i>Crapidospermum verticillatum</i> | Apocynaceae | Vandrika |
| | <i>Khaya madagasucariens</i> | Meliaceae | Hazomena |
| | <i>Maspilodaphne tapack</i> | Lauraceae | Varongy mainty |
| | <i>Podocarpus madagasucariens</i> | Podocarpaceae | Hetatra |

第三カテゴリー

(造作材、ボート、小物、枕木用)

1. マダガスカル自生種

| 学名 | 科 | ローカル名 |
|-------------------------------------|------------------|-----------------------|
| <i>Acacia morondavensis</i> | Leguminaceae | Roibokida |
| <i>Albizzia boinensis(greveana)</i> | Leguminosae | Fandrianakanga |
| <i>Antidesma madagascariensis</i> | Euphorbiaceae | Varonala |
| <i>Asteropeia amblyocarpa</i> | Samydaceae | Andrevola |
| <i>Astrotrichilia micraster</i> | Meliaceae(Samyd) | Manoka mena |
| <i>Astrotrichilia rhopaloides</i> | Meliaceae(Samyd) | Manoka mevo |
| <i>Brachylaena ramiflora</i> | Compositae | Hazotokana |
| <i>Breonia madagascariensis</i> | Rubiaveae | Molompangady, Valotra |
| <i>Brenonia perrieri</i> | " | " |
| <i>Brenonia piptocarphoides</i> | Compositae | Nerana |
| <i>Bridelia tulasneana</i> | Euphorbiaceae | Arina |
| <i>Calophyllum inophyllum</i> | Guttiferae | Foraha |
| <i>Canarium madagascariense</i> | Burseraceae | Ramy |
| <i>Carissa densiflora</i> | Apocynaceae | Monty |

| | | |
|--|-----------------|------------------------|
| <i>Cassinopsis madagascariensis</i> | Icacinaceae | Hazontoho |
| <i>Cephalanthus spathelliferus</i> | Rubiaceae | Sohiny |
| <i>Cinnamosma madagascariensis</i> | Canellaceae | Sakaihazo |
| <i>Combretus madagascariensis</i> | Combretaceae | Tamenaka |
| <i>(Calopyxis coursiana)</i> | " | " |
| <i>Cryptocarya louvelii</i> | Lauraceae | Longotra, Longtramen |
| <i>Cryptocarya Perrieri</i> | Lauraceae | Longotra fotsy |
| <i>Cryptogyne gerrardiana</i> | Sapotaceae | Nato |
| <i>Dilobeia thourasii</i> | Proteaceae | Vivaona |
| <i>Elaeocarpus bakeri</i> | Elaeocarpaceae | Molompangady |
| <i>Elaeocarpus Commutatus</i> | " | " |
| <i>Elaeocarpus glaucoideus</i> | " | " |
| <i>Elaeocarpus hidebrandtii</i> | " | " |
| <i>Erythrixylon ampullaceum</i> | Erythrixylaceae | Menahy |
| <i>Erythroxyllum corymbosum</i> | " | " |
| <i>Erythroxyllum ferrugineum</i> | " | " |
| <i>Erythroxyllum myrtoides</i> | " | " |
| <i>Eugenia sp.</i> | Myrtaceae | Rotra, Robary |
| <i>Faguelium falcata</i> | Anacardiaceae | Hasy |
| <i>Frotohus thoursii</i> | Anacardiaceae | Ditimana |
| <i>Frotohus thouvenotti</i> | " | " |
| <i>Gluta turtur</i> | Anacardiaceae | Torotoro |
| <i>Homalium axilare(nudiflorum)</i> | Flacourtiaceae | Hazombato |
| <i>Hymenaea verrucosa</i> | Leguminosae | Mandrorofo |
| <i>Imbricaria coriacea</i> | Sapotaceae | Varanto |
| <i>Leptolaena multiflora</i> | Sarcolaenaceae | Anjananjana |
| <i>Mespilodaphne faucherei(racemosa)</i> | Lauraceae | Varony |
| <i>Myristica voury</i> | Myristicaceae | Vory |
| <i>Nuxia brachyscypha</i> | Icacinaceae | Hazontoho |
| <i>Nuxia capitata</i> | Logaiaceae | Valanirana |
| <i>Ochrocarpus bongo</i> | Guttiferae | Bongo |
| <i>Oerminalia catappa</i> | Combretaceae | Antafana |
| <i>Oloz glabriflora</i> | Olocaceae | Maitsoririna |
| <i>Oncostemum leprosum</i> | Myrsinaceae | Hazontoho |
| <i>Phyllarthron bojerianum(madagascariensis)</i> | Bignoniaceae | Zahara |
| <i>Piptadenia pervillea</i> | Leguminosae | Sevalahy |
| <i>Protorhus sericea</i> | Anacardiaceae | Hazombarorana |
| <i>Psorospermum androsaemifolium</i> | Guttiferae | Harongadahy |
| <i>Pyrostris cariensis</i> | Rubiaceae | Pitsikahitra |
| <i>Ravensara aromatica</i> | Lauraceae | Sary, Madagascar clove |
| <i>Ravensara helicina</i> | Lauraceae | Tavolopina |
| <i>Sarcolaena multiflora (grandiflora)</i> | Sarcolaenaceae | Todinga |
| <i>Sideroxyylon gerrardianum</i> | Sapotaceae | Nato |
| <i>Siderozyylon betsimisarakum</i> | Sapotaceae | Hazotsiriana |
| <i>Solomum erythracanthum</i> | Solanea | Fahavalonkazo |
| <i>Stereospermum enphorioides</i> | Bignoniaceae | Mangarahara |
| <i>Symphonia louvelii</i> | Guttiferae | Kijy |
| <i>Synchodendron ramiflorum</i> | " | Hazotokana |
| <i>Tambourissa thouvenetii</i> | Fomniaceae | Tambonaika |
| <i>Terminalia tetrandnis</i> | Combreraceae | Mantadia |
| <i>Terminalia tetrandra</i> | " | " |

| | | |
|---|---------------|-----------------------|
| <i>Terminalopsis tetrandrus</i> | " | " |
| <i>Tina madagascariensis(chapelieriana)</i> | Sapindaceae | Hazompoza |
| <i>Trachylobium hornemannianum</i> | | Mandrorofo |
| <i>Trachylobium verrucosum</i> | | " |
| <i>Uapaca thouarsii</i> | Euphorviaceae | Voapaka |
| <i>Vernonia piptocarphoides</i> | | Hazotokana |
| <i>Weinmannia minutiflora</i> | Cononiaceae | Lalona mena, Llonafot |
| <i>Weinmannia rutenbergii</i> | Cunoniaceae | Hazomanga |

2. 外来種、希少種

| | | |
|--------------------------------|-------------|------------------------|
| <i>Acacia heterophylla</i> | Leguminosae | |
| <i>Eucalyptus citriodora</i> | Myrtaceae | Eucalyptus |
| <i>Eucalyptus corymbosa</i> | " | " |
| <i>Eucalyptus dongifolia</i> | " | " |
| <i>Eucalyptus maculata</i> | " | " |
| <i>Eucalyptus punctata</i> | " | " |
| <i>Eucalyptus punctata</i> | " | " |
| <i>Eucalyptus resinifera</i> | " | " |
| <i>Eucalyptus rostrata</i> | " | " |
| <i>Eucalyptus tereticornis</i> | " | Colossea |
| <i>Grevillea robusta</i> | Proteaceae | Silver oak |
| <i>Pinus excelsa</i> | Pinaceae | |
| <i>Pinus halepensis</i> | " | |
| <i>Pinus insignis</i> | " | |
| <i>Pinus kesiya(khasya)</i> | " | kesiya pine, Khasya pi |
| <i>Pinus leucodermis</i> | " | |
| <i>Pinus patula</i> | " | Patula pine |
| <i>Pinus pinaster</i> | " | |
| <i>Pinus ponderosa</i> | " | |
| <i>Pinus pseudostrobus</i> | " | |
| <i>Pinus taeda</i> | " | |
| <i>Tectona grandis</i> | Verbenaceae | Teck, Teak |

第四カテゴリー

(中庸質材)

マダガスカル自生種

| 学名 | 科 | ローカル名 |
|---------------------------------|----------------|-------------|
| <i>Artabotrys digosperma</i> | Anonaceae | Ambavy |
| (<i>Ambavia gerrardii</i>) | | " |
| (<i>Popowia gerrardii</i>) | | " |
| (<i>Popowia maritima</i>) | | " |
| (<i>Unona gerrardii</i>) | | " |
| <i>Agauria salicifolia</i> | Ericaceae | Angavodiana |
| <i>Alluaudia procera</i> | Didieraceae | Fantsilosy |
| <i>Canarium madagascariense</i> | Burseraceae | Ramy, Aramy |
| <i>Casearia nigrescens</i> | Flacourtiaceae | Hazomalany |
| <i>Casuarina divers</i> | Casuarinaceae | Filaos |
| <i>Cedrela odonata</i> | Meliaceae | |
| <i>Cedrelopsis grevei</i> | Ptaeroxylaceae | Katrafay |
| <i>Clerodendron pyriformium</i> | | Vatonna |
| <i>Cupressus lambertina</i> | Cupressinae | Cypress |

| | | |
|--|----------------|-------------|
| <i>Cupressus lawsoniana</i> | | " |
| <i>Cupressus lusitanica</i> | | " |
| <i>Elaeocarpus sp.</i> | Tiliaceae | Voanana |
| (<i>Sloanea rhodantha</i>) | Elaeocarpaceae | " |
| <i>Ficus tiliofolia</i> | Moraceae | Voara |
| (<i>Ficus trichosphaera, F. Pachyclada, F. Apodocephala</i>) | | " |
| <i>Gambeya madagascariensis(boivinianum)</i> | Sapotaceae | Famelona |
| <i>Hibiscus lasiococcus</i> | Malvaceae | Alampona |
| <i>Homalium humblotii</i> | Samydaceae | Madaditra |
| <i>Ilex monticola(mitris)</i> | Aquifoliaceae | Hazondrano |
| <i>Macronychia madagascariensis</i> | Anacardiaceae | Tsiramiramy |
| <i>Neobaronia phyllantoides</i> | Leguminosae | |
| <i>Phylloxylon ensiflorum</i> | Leguminosae | Arahara |
| <i>Ravensara sp.</i> | Lauraceae | Tavolo |
| <i>Tamarndus grevei</i> | Leguminosae | Kily |
| <i>Trichilia peltostylis</i> | Meliaceae | Ramaindafy |
| (<i>Tina chapelieriana</i>) | | " |
| (<i>Tina conjugata</i>) | | " |
| (<i>Neotina isoneura</i>) | | " |

第五カテゴリー

(薪炭用樹種)

第一～第四カテゴリー以外のマダガスカル自生種、外来種

| 学名 | 科 | ローカル名 |
|-------------------------------|-------------|------------|
| <i>Albizzia lebbek</i> | Leguminosae | |
| <i>Azadirachta indica</i> | Meliaceae | Neem |
| <i>Acacia decurrens</i> | Leguminosae | Mimoza |
| <i>Acacia dealbata</i> | " | " |
| Hybride of <i>E. robusta</i> | Myrtaceae | Eucalyptus |
| <i>Melaleuca leucadendron</i> | Myrtaceae | Niaouli |

生 活 の 概 況 に つ い て

| 地区 | 郡 | 行政村 | 調査世帯数 | | 現在5年以上 上居している 世帯数割合 | 現在5年以上 居住している の平均居 住年数 | 所有形態別住居割合(%) | | 利用水源別世帯割合(%) | | 主要な家庭用燃料別世帯割合 (%) | | 主要な家庭用煙火別世帯割合 (%) | | | | | | | | | | | | | |
|-------|-----------|-----------|-------|-----|---------------------------|---------------------------------|--------------|----|--------------|----|----------------------|----|----------------------|----|-----|-----|------|----|-----|----|----|----|----|----|-----|----|
| | | | 世帯 | % | | | 持家 | 借家 | 井戸 | 河川 | その他 | 薪 | 炭 | 石油 | その他 | ガス | ロウソク | 灯油 | その他 | | | | | | | |
| マンダスア | アンバトラオナ | アンバトラオナ | 30 | 100 | 93 | 18 | 53 | 17 | 30 | 0 | 33 | 67 | 0 | 0 | 0 | 83 | 0 | 7 | 0 | 10 | 3 | 10 | 57 | 30 | | |
| | | マヒタダ | 70 | 100 | 94 | 20 | 81 | 0 | 19 | 0 | 80 | 40 | 0 | 0 | 0 | 99 | 0 | 0 | 0 | 1 | 1 | 11 | 56 | 31 | | |
| | マンダスア | アホレアニホト | 22 | 100 | 95 | 18 | 85 | 0 | 5 | 0 | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 64 | 23 | |
| | | アンジョヨロ | 26 | 100 | 96 | 25 | 81 | 0 | 19 | 0 | 58 | 12 | 31 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 8 | 12 | 54 | 27 | |
| | | マンダスア | 48 | 100 | 90 | 20 | 77 | 4 | 19 | 0 | 77 | 8 | 4 | 4 | 0 | 6 | 98 | 0 | 2 | 0 | 0 | 15 | 10 | 63 | 12 | |
| | | マンパニニ | 55 | 100 | 87 | 22 | 89 | 13 | 18 | 0 | 67 | 24 | 5 | 2 | 0 | 83 | 0 | 4 | 0 | 13 | 30 | 13 | 50 | 7 | 39 | |
| | ミアダチンドリアナ | ミアダチンドリアナ | 33 | 100 | 79 | 27 | 79 | 6 | 15 | 0 | 85 | 6 | 6 | 0 | 3 | 94 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 58 | 31 | |
| | | アンボヒマンジャカ | 86 | 100 | 88 | 18 | 89 | 1 | 10 | 0 | 73 | 0 | 14 | 12 | 0 | 1 | 99 | 0 | 0 | 1 | 0 | 0 | 13 | 56 | 31 | |
| | | アンボヒベノ | 44 | 100 | 89 | 24 | 91 | 0 | 9 | 0 | 87 | 10 | 3 | 0 | 0 | 95 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 78 | 18 | |
| | | メリカンサカ | 39 | 100 | 95 | 18 | 78 | 5 | 17 | 0 | 37 | 0 | 3 | 0 | 50 | 0 | 92 | 0 | 8 | 0 | 0 | 0 | 18 | 48 | 34 | |
| チアンパニ | トリモロハラノ | メリカンサカ | 34 | 100 | 94 | 23 | 88 | 0 | 12 | 0 | 82 | 12 | 3 | 0 | 3 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 12 | |
| | | ミアリナリカ | 22 | 100 | 96 | 22 | 91 | 0 | 8 | 0 | 82 | 18 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 87 | 13 | |
| チアンパニ | アジシベ | ミアリナリカ | 509 | 100 | 96 | 21 | 92 | 0 | 8 | 0 | 44 | 24 | 32 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 36 | |
| | | アンリアンチアノ | 25 | 100 | 93 | 28 | 90 | 0 | 10 | 0 | 39 | 3 | 56 | 0 | 2 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 83 | 10 | |
| | トリモロハラノ | アンゴドンゴトナ | 61 | 100 | 92 | 21 | 100 | 0 | 0 | 0 | 67 | 0 | 33 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 8 |
| | | マハチン | 24 | 100 | 84 | 22 | 84 | 0 | 16 | 0 | 48 | 0 | 52 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 80 | 16 |
| | アンボヒミアダナ | アンボヒツア | 23 | 100 | 83 | 27 | 60 | 0 | 8 | 0 | 51 | 3 | 46 | 0 | 0 | 94 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 10 | 75 | 15 |
| | | イハラマラサ | 68 | 100 | 87 | 24 | 91 | 0 | 9 | 0 | 50 | 16 | 28 | 0 | 0 | 6 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 82 | 9 |
| | タンカフアトラ | モララノ | 32 | 100 | 94 | 24 | 94 | 0 | 6 | 0 | 70 | 1 | 29 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 96 | 3 |
| | | マナンドリアナ | 98 | 100 | 100 | 32 | 100 | 0 | 0 | 0 | 98 | 4 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 |
| | アチカヨ | アチカヨ | 109 | 100 | 93 | 21 | 85 | 0 | 15 | 0 | 67 | 3 | 30 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 91 | 7 |
| | | アンボヒマンジャカ | 27 | 100 | 96 | 28 | 89 | 0 | 11 | 0 | 92 | 4 | 4 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 100 | 0 |
| 小計 | 合計 | ケリマフアナ | 492 | 100 | 95 | 25 | 91 | 0 | 11 | 0 | 92 | 4 | 4 | 0 | 0 | 96 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 100 | 0 |
| | | 小計 | 1001 | 100 | 95 | 23 | 91 | 0 | 11 | 0 | 92 | 4 | 4 | 0 | 0 | 96 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 100 | 0 |

資料：社会経済調査、JICA、1998年

家畜の飼養者数及び飼養頭数

| 地区 | 郡 | 行 政 村 | ウシ | | | ウマ | | | ブタ | | | ニワトリ | | | カウチウ | | | アヒル | | | ウサギ | | | | | | | | | | | | | | | |
|-------|-------|---------|------|------|-----|------|------|-----|------|------|-----|------|------|----|------|------|----|------|------|----|------|------|----|-----|----|----|----|----|-----|----|----|----|----|----|----|----|
| | | | 飼養者数 | 飼養頭数 | % | 飼養者数 | 飼養頭数 | % | 飼養者数 | 飼養頭数 | % | 飼養者数 | 飼養頭数 | % | 飼養者数 | 飼養頭数 | % | 飼養者数 | 飼養頭数 | % | 飼養者数 | 飼養頭数 | % | | | | | | | | | | | | | |
| マンダラ | マンダラ | アンバトオナ | 70 | 100 | 7 | 23 | 2 | 1 | 5 | 9 | 30 | 4 | 1 | 12 | 0 | 0 | 0 | 0 | 16 | 73 | 8 | 1 | 25 | 2 | 1 | 4 | 18 | 26 | 2 | 1 | 4 | 13 | 4 | 3 | 5 | |
| | | マヒチオナ | 30 | 100 | 48 | 99 | 2 | 1 | 3 | 25 | 36 | 2 | 1 | 5 | 62 | 89 | 12 | 1 | 1 | 20 | 91 | 11 | 2 | 40 | 23 | 33 | 1 | 1 | 4 | 18 | 26 | 2 | 1 | 12 | | |
| | | アトワニキ | 22 | 100 | 6 | 27 | 3 | 2 | 4 | 4 | 18 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 73 | 11 | 1 | 27 | 13 | 50 | 2 | 1 | 3 | 4 | 18 | 6 | 4 | 10 | |
| | | アンジヨロ | 26 | 100 | 15 | 58 | 3 | 1 | 7 | 4 | 15 | 13 | 2 | 2 | 2 | 18 | 73 | 11 | 1 | 2 | 19 | 73 | 11 | 1 | 27 | 13 | 50 | 2 | 1 | 3 | 4 | 18 | 6 | 4 | 10 | |
| | | マンダラ | 48 | 100 | 17 | 35 | 2 | 1 | 4 | 12 | 25 | 6 | 2 | 1 | 3 | 42 | 88 | 11 | 1 | 3 | 42 | 88 | 11 | 1 | 40 | 14 | 29 | 1 | 7 | 13 | 27 | 8 | 2 | 45 | | |
| | | マンハニ | 59 | 100 | 13 | 24 | 2 | 1 | 4 | 12 | 22 | 8 | 2 | 1 | 3 | 5 | 41 | 75 | 8 | 1 | 3 | 5 | 4 | 3 | 5 | 4 | 35 | 17 | 31 | 2 | 1 | 6 | 11 | 20 | 5 | 2 |
| | | ミダマンジヤカ | 33 | 100 | 6 | 18 | 2 | 1 | 3 | 12 | 38 | 7 | 1 | 1 | 5 | 15 | 3 | 2 | 4 | 22 | 67 | 17 | 2 | 50 | 6 | 1 | 1 | 2 | 6 | 2 | 1 | 2 | 6 | 2 | 1 | 2 |
| | | アンホニ | 80 | 100 | 29 | 34 | 2 | 1 | 6 | 34 | 40 | 6 | 1 | 1 | 6 | 7 | 3 | 2 | 1 | 5 | 70 | 81 | 10 | 1 | 31 | 50 | 58 | 2 | 1 | 7 | 28 | 30 | 11 | 1 | 40 | |
| | | アンホニ | 44 | 100 | 21 | 48 | 3 | 1 | 8 | 12 | 27 | 7 | 1 | 2 | 5 | 4 | 2 | 5 | 38 | 86 | 11 | 1 | 1 | 40 | 25 | 57 | 1 | 1 | 2 | 13 | 30 | 6 | 1 | 17 | 4 | 12 |
| | | オカシヤカ | 39 | 100 | 13 | 33 | 3 | 2 | 1 | 6 | 8 | 21 | 7 | 3 | 3 | 10 | 3 | 1 | 1 | 1 | 33 | 85 | 11 | 1 | 45 | 10 | 26 | 1 | 1 | 2 | 7 | 18 | 7 | 4 | 12 | |
| チアソノバ | チアソノバ | チアソノバ | 34 | 100 | 7 | 21 | 2 | 1 | 5 | 10 | 29 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 28 | 82 | 11 | 1 | 26 | 9 | 28 | 1 | 1 | 2 | 11 | 32 | 6 | 2 | 14 | 2 | 25 | |
| | | チアソノバ | 22 | 100 | 8 | 36 | 2 | 1 | 5 | 1 | 5 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 68 | 20 | 1 | 40 | 8 | 36 | 1 | 1 | 2 | 4 | 18 | 11 | 2 | 25 | | |
| | | 小計 | 508 | 100 | 180 | 37 | 4 | 1 | 143 | 28 | 28 | 29 | 6 | 29 | 6 | 8 | 0 | 0 | 411 | 81 | 187 | 37 | 1 | 187 | 37 | 1 | 1 | 2 | 116 | 23 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | アンバトオナ | 25 | 100 | 22 | 88 | 4 | 1 | 10 | 7 | 28 | 7 | 2 | 2 | 4 | 23 | 92 | 16 | 2 | 4 | 23 | 92 | 16 | 2 | 40 | 18 | 72 | 1 | 1 | 4 | 2 | 8 | 7 | 7 | 7 | |
| | | アンゴトコトナ | 61 | 100 | 31 | 51 | 3 | 1 | 15 | 11 | 18 | 7 | 1 | 33 | 3 | 5 | 5 | 4 | 6 | 59 | 97 | 17 | 1 | 50 | 24 | 39 | 2 | 1 | 4 | 12 | 20 | 9 | 3 | 22 | | |
| | | マハチン | 24 | 100 | 14 | 58 | 2 | 1 | 9 | 6 | 25 | 2 | 1 | 10 | 1 | 4 | 2 | 2 | 2 | 24 | 100 | 18 | 1 | 100 | 11 | 46 | 1 | 1 | 2 | 3 | 13 | 2 | 1 | 32 | | |
| | | アンホニ | 23 | 100 | 17 | 68 | 2 | 2 | 5 | 9 | 38 | 4 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 23 | 92 | 14 | 1 | 40 | 11 | 44 | 1 | 1 | 2 | 3 | 12 | 9 | 2 | 22 | | |
| | | アンホニ | 88 | 100 | 50 | 74 | 4 | 1 | 54 | 27 | 40 | 7 | 1 | 22 | 2 | 3 | 30 | 9 | 50 | 82 | 91 | 16 | 2 | 50 | 23 | 34 | 1 | 1 | 2 | 22 | 32 | 15 | 2 | 35 | | |
| | | マハチン | 32 | 100 | 17 | 53 | 3 | 1 | 7 | 6 | 19 | 2 | 1 | 4 | 1 | 3 | 2 | 2 | 30 | 94 | 9 | 1 | 32 | 14 | 47 | 2 | 1 | 10 | 1 | 3 | 27 | 27 | 2 | 34 | | |
| | | チンカフトラ | 89 | 100 | 66 | 77 | 5 | 1 | 35 | 14 | 14 | 4 | 1 | 14 | 3 | 3 | 4 | 2 | 8 | 67 | 88 | 11 | 1 | 40 | 4 | 0 | 1 | 2 | 34 | 34 | 13 | 2 | 34 | | | |
| アンホニ | 24 | 100 | 17 | 71 | 3 | 1 | 10 | 14 | 58 | 3 | 1 | 13 | 0 | 0 | 0 | 0 | 24 | 100 | 13 | 1 | 30 | 12 | 50 | 1 | 1 | 1 | 9 | 38 | 11 | 5 | 20 | | | | | |
| アンホニ | 109 | 100 | 52 | 48 | 3 | 1 | 10 | 32 | 29 | 4 | 1 | 17 | 2 | 2 | 16 | 6 | 20 | 93 | 85 | 11 | 1 | 30 | 35 | 32 | 2 | 1 | 6 | 28 | 26 | 6 | 1 | 23 | | | | |
| ハカロ | 482 | 100 | 281 | 58 | 4 | 1 | 14 | 140 | 28 | 6 | 1 | 30 | 0 | 0 | 0 | 0 | 25 | 83 | 14 | 1 | 32 | 15 | 56 | 1 | 1 | 2 | 8 | 30 | 12 | 2 | 22 | | | | | |
| 小計 | 1061 | 100 | 481 | 48 | 283 | 28 | 44 | 4 | 801 | 86 | 354 | 35 | 238 | 24 | | | | | | | | | | | | | | | | | | | | | | |

資料: 社会経済調査、JICA、1998年

農用地、林地の登記状況

| 地区 | 郡 | 行政村 | 農用地 | | | | | | 人工林 | | | | | | | | |
|---------|---------|---------|-------|-----|-----|----|-----|-----|------|----|-----|-----|-----|-----|-----|------|------|
| | | | 調査世帯数 | | 水田 | | 雑穀 | | 雑穀 | | 雑穀 | | 雑穀 | | | | |
| | | | 世帯 | % | 世帯数 | % | 世帯数 | % | 世帯数 | % | 世帯数 | % | 世帯数 | % | | | |
| マダガスカル | アンバトラオナ | アンバトラオナ | 30 | 100 | 16 | 53 | 27 | 18 | 60 | 18 | 5 | 17 | 3 | 1 | 200 | | |
| | | マヒタダテ | 70 | 100 | 43 | 61 | 11 | 1 | 35 | 50 | 17 | 20 | 7 | 1 | 100 | | |
| | | マダガスカル | 22 | 100 | 13 | 59 | 17 | 12 | 10 | 59 | 17 | 3 | 14 | 6 | 3 | 100 | |
| | | アンバトラオナ | 26 | 100 | 18 | 69 | 25 | 2 | 60 | 46 | 30 | 7 | 27 | 17 | 1 | 100 | |
| | | アンバトラオナ | 48 | 100 | 24 | 50 | 90 | 1 | 1800 | 50 | 42 | 9 | 19 | 63 | 1 | 200 | |
| | | マダガスカル | 55 | 100 | 26 | 47 | 15 | 1 | 80 | 22 | 34 | 4 | 7 | 11 | 1 | 40 | |
| | | マダガスカル | 33 | 100 | 19 | 58 | 25 | 5 | 80 | 52 | 21 | 9 | 27 | 25 | 2 | 84 | |
| | | マダガスカル | 86 | 100 | 54 | 63 | 40 | 4 | 200 | 56 | 87 | 12 | 14 | 219 | 2 | 1800 | |
| | | マダガスカル | 44 | 100 | 35 | 80 | 50 | 8 | 200 | 52 | 89 | 15 | 35 | 189 | 3 | 1000 | |
| | | マダガスカル | 39 | 100 | 33 | 85 | 20 | 0.1 | 60 | 59 | 19 | 7 | 18 | 17 | 1 | 50 | |
| アンバトラオナ | アンバトラオナ | アンバトラオナ | 34 | 100 | 30 | 88 | 75 | 8 | 120 | 44 | 70 | 4 | 12 | 53 | 5 | 150 | |
| | | アンバトラオナ | 22 | 100 | 13 | 59 | 30 | 1 | 100 | 55 | 27 | 1 | 5 | 10 | 10 | 10 | |
| | | アンバトラオナ | 509 | 100 | 324 | 64 | 64 | 1 | 259 | 51 | 47 | 4 | 18 | 14 | 1 | 50 | |
| | | アンバトラオナ | 25 | 100 | 8 | 32 | 27 | 0.5 | 50 | 20 | 5 | 5 | 15 | 70 | 1 | 400 | |
| | | アンバトラオナ | 61 | 100 | 20 | 33 | 92 | 28 | 600 | 28 | 53 | 9 | 15 | 9 | 1 | 150 | |
| | | アンバトラオナ | 24 | 100 | 12 | 50 | 18 | 1 | 100 | 63 | 13 | 10 | 42 | 10 | 0.5 | 50 | |
| | | アンバトラオナ | 23 | 100 | 11 | 44 | 24 | 10 | 50 | 28 | 10 | 7 | 28 | 10 | 0.5 | 50 | |
| | | アンバトラオナ | 68 | 100 | 30 | 44 | 34 | 3 | 80 | 47 | 46 | 32 | 13 | 19 | 586 | 0.5 | 7500 |
| | | アンバトラオナ | 32 | 100 | 14 | 44 | 23 | 4 | 44 | 44 | 7 | 14 | 13 | 23 | 0.5 | 50 | |
| | | アンバトラオナ | 99 | 100 | 33 | 33 | 39 | 0.3 | 140 | 1 | 0 | 3 | 13 | 10 | 1 | 30 | |
| アンバトラオナ | アンバトラオナ | アンバトラオナ | 24 | 100 | 22 | 92 | 50 | 0.5 | 120 | 18 | 67 | 12 | 50 | 12 | 0.5 | 80 | |
| | | アンバトラオナ | 109 | 100 | 61 | 56 | 34 | 0.2 | 120 | 41 | 38 | 13 | 12 | 14 | 0.2 | 50 | |
| | | アンバトラオナ | 27 | 100 | 12 | 44 | 49 | 0.8 | 50 | 37 | 11 | 6 | 22 | 35 | 2 | 72 | |
| | | アンバトラオナ | 492 | 100 | 223 | 45 | 45 | 1 | 168 | 32 | 32 | 92 | 19 | 35 | 2 | 72 | |
| | | アンバトラオナ | 1001 | 100 | 547 | 55 | 55 | 1 | 417 | 42 | 42 | 182 | 18 | 18 | 18 | 18 | |

資料：社会経済調査、JICA、1998年

農 用 地、林 地 の 登 記 申 請 状 況

| 地区 | 都 | 行政村 | 登記申請地 | | | | | | 分木地 | | | | | | 人工林 | | | | | | | | | | | | | | | | | |
|--------|--------|---------|-------|-----|-----|----|-----|-----|---------|-----|----|---------|-----|------|---------|-----|-----|---------|-----|----|---------|----|----|---------|----|----|---------|----|----|----|--|--|
| | | | 調査世帯数 | | | 水田 | | | % | | | 平均面積(a) | | | 最小 | | | 最大 | | | % | | | 平均面積(a) | | | 最小 | | | 最大 | | |
| | | | 世帯 | % | 世帯数 | 世帯 | % | 世帯数 | 平均面積(a) | 最小 | 最大 | 平均面積(a) | 最小 | 最大 | 平均面積(a) | 最小 | 最大 | 平均面積(a) | 最小 | 最大 | 平均面積(a) | 最小 | 最大 | 平均面積(a) | 最小 | 最大 | 平均面積(a) | 最小 | 最大 | | | |
| マンタスア | マンタスア | アンパトラオナ | 30 | 100 | 1 | 3 | 8 | 8 | 8 | 2 | 7 | 203 | 6 | 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マヒチチ | 70 | 100 | 2 | 3 | 1.5 | 1 | 2 | 11 | 16 | 38 | 1 | 2000 | 3 | 4 | 10 | 1 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | アンパトラオナ | 22 | 100 | 2 | 9 | 55 | 10 | 100 | 4 | 18 | 68 | 3 | 200 | 22 | 100 | 3 | 0.5 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 26 | 100 | 2 | 8 | 115 | 30 | 200 | 6 | 23 | 16 | 2 | 50 | 5 | 19 | 147 | 1 | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 48 | 100 | 3 | 6 | 66 | 28 | 100 | 9 | 19 | 184 | 1 | 1500 | 6 | 13 | 311 | 2 | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 55 | 100 | 2 | 4 | 19 | 18 | 20 | 2 | 4 | 1525 | 50 | 3000 | 4 | 7 | 230 | 5 | 700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 33 | 100 | 3 | 9 | 13 | 3 | 26 | 3 | 9 | 2 | 1 | 3 | 6 | 18 | 104 | 0.5 | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 86 | 100 | 9 | 10 | 71 | 1 | 500 | 11 | 13 | 79 | 1 | 600 | 11 | 13 | 137 | 2 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 44 | 100 | 11 | 25 | 43 | 1 | 150 | 10 | 23 | 82 | 1 | 350 | 8 | 13 | 260 | 15 | 800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 39 | 100 | 5 | 15 | 8 | 0.5 | 20 | 8 | 21 | 63 | 0.1 | 400 | 6 | 15 | 51 | 0.1 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| チアソソバニ | チアソソバニ | トリモロハラノ | 34 | 100 | 11 | 33 | 103 | 2.5 | 400 | 4 | 12 | 428 | 14 | 1500 | 2 | 6 | 125 | 50 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | チアソソバニ | 22 | 100 | 6 | 27 | 29 | 1 | 100 | 6 | 27 | 95 | 4 | 500 | 3 | 14 | 90 | 1 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | チアソソバニ | 509 | 100 | 57 | 11 | | | | 76 | 15 | | | | 74 | 15 | | | | | | | | | | | | | | | | |
| | | チアソソバニ | 25 | 100 | 3 | 12 | 169 | 7 | 400 | 1 | 4 | 100 | 100 | 100 | 1 | 4 | 200 | 200 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | チアソソバニ | 61 | 100 | 13 | 21 | 8 | 1 | 200 | 4 | 7 | 16 | 1 | 50 | 3 | 5 | 15 | 2 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | チアソソバニ | 24 | 100 | 5 | 21 | 3 | 1 | 36 | 1 | 4 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | チアソソバニ | 23 | 100 | 1 | 4 | 20 | 20 | 20 | 1 | 4 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | チアソソバニ | 68 | 100 | 2 | 3 | 4 | 3 | 5 | 1 | 1 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | チアソソバニ | 32 | 100 | 3 | 9 | 18 | 1 | 50 | 2 | 6 | 26 | 2 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | チアソソバニ | 99 | 100 | 13 | 13 | 34 | 3 | 100 | 9 | 9 | 14 | 1 | 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| マンタスア | マンタスア | マンタスア | 24 | 100 | 6 | 25 | 31 | 0.5 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 109 | 100 | 6 | 6 | 17 | 1 | 80 | 4 | 4 | 24 | 0.5 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | マンタスア | 27 | 100 | 1 | 4 | 2 | 2 | 2 | 1 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| | | マンタスア | 492 | 100 | 53 | 11 | | | | 24 | 5 | | | | 6 | 12 | | | | | | | | | | | | | | | | |
| | | マンタスア | 1001 | 100 | 110 | 11 | | | | 100 | 10 | | | | 80 | 8 | | | | | | | | | | | | | | | | |

資料：社会経済調査、JICA、1998年

両湖東岸での土地利用状況

| 地区 | 郡 | 行政村 | 両湖東岸 | | | | | | 人工林 | | | | | | | |
|---------|----------|-----------|-------|-----|-----|-----|---------|-----|-----|-----|----|-----|---------|-----|----|----|
| | | | 農産世帯数 | | | 水田 | | | 雑木 | | | 人工林 | | | | |
| | | | 世帯 | % | 世帯数 | 世帯数 | 平均面積(a) | 最小 | 最大 | 世帯数 | % | 世帯数 | 平均面積(a) | 最小 | 最大 | |
| マンダスア | マンダスア | アンバトラオナ | 30 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | マヒチタ子 | 70 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アトリアニ味 | 22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アンジヨロ | 28 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | マンダスア | 48 | 100 | 1 | 2 | 70 | 70 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | マンバヒニ | 55 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | ミアダマンジャカ | 33 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | ミアダマンジャカ | 86 | 100 | 2 | 2 | 11 | 2 | 19 | 1 | 1 | 9 | 9 | 9 | 1 | 1 |
| | | アンボヒマンジャカ | 44 | 100 | 4 | 9 | 78 | 3 | 300 | 4 | 8 | 83 | 5 | 300 | 4 | 9 |
| | | アンボヒニ | 39 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| チアンバンニ | トリモロハラノ | メリカンサカ | 34 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | メリカンサカ | 22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | メリカンサカ | 22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | メリカンサカ | 509 | 100 | 7 | 1 | 1 | 1 | 14 | 3 | 14 | 3 | 1 | 1 | 2 | |
| | | メリカンサカ | 25 | 100 | 10 | 40 | 76 | 0.5 | 400 | 6 | 24 | 34 | 0.2 | 100 | 4 | 16 |
| | | メリカンサカ | 61 | 100 | 17 | 28 | 48 | 1 | 200 | 7 | 11 | 10 | 1 | 50 | 3 | 5 |
| | | メリカンサカ | 24 | 100 | 3 | 13 | 3 | 1 | 60 | 2 | 8 | 0 | 0 | 0 | 0 | 0 |
| | | メリカンサカ | 23 | 100 | 1 | 4 | 20 | 20 | 20 | 1 | 4 | 1 | 1 | 1 | 1 | 0 |
| | | メリカンサカ | 68 | 100 | 2 | 3 | 4 | 3 | 5 | 1 | 1 | 2 | 2 | 2 | 2 | 0 |
| | | メリカンサカ | 32 | 100 | 3 | 9 | 18 | 1 | 50 | 3 | 9 | 18 | 0.5 | 50 | 0 | 0 |
| タンカフアトラ | アナルミフアトラ | メリカンサカ | 99 | 100 | 12 | 12 | 34 | 3 | 100 | 8 | 8 | 15 | 12 | 40 | 0 | |
| | | メリカンサカ | 24 | 100 | 2 | 8 | 33 | 25 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | メリカンサカ | 108 | 100 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | |
| | | メリカンサカ | 27 | 100 | - | - | - | - | - | - | - | - | - | - | - | - |
| | | メリカンサカ | 492 | 100 | 51 | 10 | - | - | - | 29 | 6 | - | - | - | - | 7 |
| | | メリカンサカ | 1001 | 100 | 58 | 6 | - | - | - | 100 | 10 | - | - | - | - | 18 |

資料: 社会経済調査、JICA、1998年

両湖東岸の土地を利用することになった理由

| 地区 | 郡 | 行政村 | 調査世帯数 | | 回答世帯数 | | 収入を増やすため | | 農業生産量を増やすため | | 農地の不足のため | | 土地生産性が低下したため | | 土地を確保したかった | | その他 | | | |
|---------|---------|-----------|-----------|--------|-------|-----|----------|-----|-------------|----|----------|----|--------------|----|------------|----|-----|-----|------|----|
| | | | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % |
| マンタスア | アンバトラオナ | アンバトラオナ | 30 | 100 | 0 | 0 | 1 | 50 | | | | | | | | | | | | |
| | | マヒチダテ | 70 | 100 | 2 | 100 | 1 | 50 | | | | | | | | | | | | |
| | | マンタスア | アトレアニホロ | 22 | 100 | 2 | 100 | 1 | 50 | 1 | 50 | 1 | 50 | | | | | | | |
| | | | アンジヨロ | 26 | 100 | 3 | 100 | 1 | 33 | 1 | 33 | 1 | 33 | | | | | 1 | 33 | |
| | | マンタスア | マンタスア | 48 | 100 | 8 | 100 | 4 | 50 | 2 | 25 | 2 | 25 | | | | | 1 | 12.5 | |
| | | | マンバヒニ | 55 | 100 | 3 | 100 | | | | | | | | | | | 3 | 100 | |
| | | ミアダナンドリアナ | ミアダマンジャカ | 33 | 100 | 3 | 100 | | | 1 | 33 | 1 | 33 | | | | 1 | 33 | | |
| | | | アンボヒマンジャカ | 86 | 100 | 3 | 100 | 1 | 33 | 1 | 33 | 1 | 33 | | | | | | | |
| | | メリカンザカ | アンボヒベノ | アンボヒベノ | 44 | 100 | 4 | 100 | 2 | 50 | 2 | 50 | 2 | 50 | | | | | | |
| | | | | メリカンザカ | 39 | 100 | 0 | 0 | | | | | | | | | | | | |
| チアソバニカリ | 34 | | | 100 | 0 | 0 | | | | | | | | | | | | | | |
| ミアリナリボ | 22 | | | 100 | 1 | 100 | | | | | | | | | | | 1 | 100 | | |
| チアソバニリ | アノシベ | 小計 | 509 | 100 | 29 | 100 | 4 | 14 | 8 | 28 | 8 | 28 | | | | 2 | 6 | 7 | 24 | |
| | | アンドリアンチアソ | 25 | 100 | 11 | 100 | | | 4 | 36 | 4 | 36 | 2 | 18 | | | | 1 | 9 | |
| | | トリモロハラノ | 61 | 100 | 30 | 100 | | | 14 | 47 | 8 | 27 | | | | | | 8 | 26 | |
| | | マハチンソ | 24 | 100 | 4 | 100 | | | 2 | 50 | | | | | | | | 2 | 50 | |
| | | アンボヒツォア | 23 | 100 | 1 | 100 | 1 | 100 | | | | | | | | | | | | |
| | | イハラマラサ | 68 | 100 | 4 | 100 | | | 3 | 75 | | | | | 1 | 25 | | | | |
| | | マナンドリアナ | 32 | 100 | 12 | 100 | 2 | 17 | 4 | 33 | 5 | 42 | | | | | | 1 | 8 | |
| | | モララノ | 99 | 100 | 22 | 100 | 7 | 32 | 10 | 45 | 2 | 40 | | | | | 1 | 5 | 4 | 18 |
| | | アナラミアトラ | 24 | 100 | 5 | 100 | | | 2 | 40 | 2 | 40 | | | | | | | 1 | 20 |
| | | フィチヨンジヨハナ | 109 | 100 | 8 | 100 | | | 2 | 25 | 4 | 50 | | | | | | | 2 | 26 |
| バカロ | ケリマアアナ | ケリマアアナ | 27 | 100 | 0 | 0 | | | | | | | | | | | | | | |
| | | 小計 | 492 | 100 | 97 | 100 | 10 | 10 | 41 | 42 | 23 | 24 | 3 | 3 | | 1 | 1 | 19 | 20 | |
| | | 合計 | 1001 | 100 | 126 | 100 | 14 | 11 | 49 | 39 | 31 | 25 | 3 | 2 | | 3 | 2 | 26 | 21 | |

資料：社会経済調査、JICA、1998年

薪の採取と蜂蜜採取の状況

| 地区 | 郡 | 行政村 | 薪 | | 新 | | 採取範囲 | | | | 蜂蜜 | | | |
|---------|---------|-----------|-------|-----|--------|-----|--------|---|------------|------|---------|-------|-----|----|
| | | | 調査世帯数 | | 自家用薪採取 | | 販売用薪採取 | | 一週間の平均採取回数 | | 販売用蜂蜜採取 | | | |
| | | | 世帯数 | % | 世帯数 | % | 世帯数 | % | 1年以下 | 1~4日 | 5~10日 | 10日以上 | 世帯数 | % |
| マンタスア | アンパトラオナ | アンパトラオナ | 30 | 100 | 28 | 93 | 1 | 3 | 39 | 54 | 7 | 0 | 0 | 0 |
| | | マヒチタテ | 70 | 100 | 70 | 100 | 0 | 0 | 43 | 51 | 4 | 1 | 1 | 1 |
| | | アトワカニホク | 22 | 100 | 22 | 100 | 0 | 0 | 82 | 18 | 0 | 0 | 0 | 0 |
| | | アンジヨロ | 28 | 100 | 28 | 100 | 1 | 4 | 54 | 46 | 0 | 0 | 0 | 0 |
| | | マンタスア | 48 | 100 | 46 | 96 | 1 | 2 | 57 | 37 | 7 | 0 | 0 | 0 |
| | | マンソンバニ | 55 | 100 | 48 | 87 | 2 | 4 | 41 | 59 | 0 | 0 | 0 | 0 |
| | | ミアダマンジャカ | 33 | 100 | 33 | 100 | 0 | 0 | 55 | 45 | 0 | 0 | 0 | 0 |
| | | ミアダナンドリア | 86 | 100 | 81 | 94 | 1 | 1 | 44 | 44 | 1 | 0 | 2 | 2 |
| | | アンボヒマンジャカ | 44 | 100 | 44 | 100 | 0 | 0 | 43 | 57 | 0 | 0 | 6 | 14 |
| | | アンボヒベノ | 39 | 100 | 35 | 90 | 0 | 0 | 70 | 30 | 0 | 0 | 2 | 5 |
| チアソンパニ | アンパトラオナ | メリカンサカ | 34 | 100 | 33 | 97 | 0 | 0 | 59 | 41 | 0 | 0 | 9 | 26 |
| | | チアソンパニ | 22 | 100 | 20 | 91 | 1 | 5 | 50 | 50 | 0 | 0 | 0 | 0 |
| | | 小計 | 509 | 100 | 488 | 96 | 7 | 1 | | | | | 20 | 4 |
| | | アンパトラオナ | 25 | 100 | 25 | 100 | 0 | 0 | 71 | 29 | 0 | 0 | 0 | 0 |
| | | トリモロハラ | 61 | 100 | 60 | 98 | 0 | 0 | 56 | 39 | 5 | 0 | 2 | 3 |
| | | マハチソ | 24 | 100 | 21 | 88 | 2 | 8 | 65 | 35 | 0 | 0 | 0 | 0 |
| | | アンボヒツオア | 23 | 100 | 23 | 100 | 0 | 0 | 74 | 26 | 0 | 0 | 0 | 0 |
| | | イハラマラサ | 68 | 100 | 68 | 97 | 0 | 0 | 88 | 12 | 0 | 0 | 3 | 4 |
| | | マナンドリア | 32 | 100 | 28 | 88 | 1 | 3 | 88 | 12 | 0 | 0 | 3 | 9 |
| | | モララ | 99 | 100 | 97 | 98 | 0 | 0 | 66 | 34 | 0 | 0 | 2 | 2 |
| タンカフアトラ | アンパトラ | アナラミアトラ | 24 | 100 | 24 | 100 | 0 | 0 | 75 | 25 | 0 | 0 | 1 | 4 |
| | | アウチンシヤナ | 109 | 100 | 107 | 98 | 2 | 2 | 66 | 34 | 0 | 0 | 3 | 3 |
| | | バカロ | 27 | 100 | 27 | 100 | 0 | 0 | 85 | 11 | 4 | 0 | 0 | 0 |
| | | 小計 | 492 | 100 | 478 | 97 | 5 | 1 | | | | | 14 | 3 |
| 合計 | | | 1001 | 100 | 964 | 96 | 12 | | | | | 34 | 3 | |

資料：社会経済調査、JICA、1998年

人工林の状況

| 地区 | 郡 | 行政村 | 人工林所有 | | 所有人工林面積(ha) | | 造林の経年 | | 1970年以前 | | 1970年～1980年 | | 1980年～1990年 | | 1990年以降 | | 構成員 | | その他 | | | | |
|--------|--------|---------|-------|-----|-------------|----|-------|------|---------|-----|-------------|----|-------------|----|---------|----|-----|----|-----|----|---|----|---|
| | | | 世帯数 | % | 平均 | 最小 | 最大 | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % | 世帯 | % |
| マンダス | マンダス | アンハトラオナ | 30 | 100 | 8 | 20 | 2 | 1 | 5 | 6 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マヒラダ | 70 | 100 | 18 | 28 | 43 | 1 | 400 | 16 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンダス | 22 | 100 | 11 | 50 | 20 | 0.5 | 70 | 11 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | アンジヨロ | 26 | 100 | 14 | 54 | 8 | 1 | 60 | 14 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンダス | 48 | 100 | 17 | 35 | 25 | 0.05 | 250 | 17 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 55 | 100 | 13 | 24 | 24 | 1 | 200 | 13 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マダマシヤカ | 33 | 100 | 16 | 48 | 8 | 0.1 | 84 | 16 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マダマシヤカ | 89 | 100 | 38 | 44 | 37 | 1 | 500 | 38 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 44 | 100 | 32 | 73 | 67 | 1 | 500 | 32 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 39 | 100 | 23 | 59 | 16 | 0.04 | 200 | 23 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 手アノンパニ | トリモロハラ | マンパニ | 34 | 100 | 11 | 32 | 48 | 0.3 | 200 | 11 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 22 | 100 | 14 | 64 | 83 | 1 | 600 | 14 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 508 | 100 | 213 | 43 | 43 | 1 | 213 | 213 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 25 | 100 | 14 | 56 | 12 | 0.5 | 50 | 14 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 61 | 100 | 28 | 46 | 6 | 1 | 50 | 28 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 24 | 100 | 15 | 63 | 5 | 0.5 | 50 | 15 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 23 | 100 | 11 | 44 | 2 | 0.5 | 8 | 12 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 88 | 100 | 23 | 34 | 7 | 0.5 | 76 | 23 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 32 | 100 | 13 | 41 | 8 | 0.5 | 50 | 13 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 99 | 100 | 38 | 38 | 1 | 0.1 | 14 | 57 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 手アノンパニ | トリモロハラ | マンパニ | 24 | 100 | 15 | 63 | 1 | 0.5 | 16 | 15 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 27 | 100 | 14 | 52 | 6 | 0.5 | 72 | 18 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | マンパニ | 492 | 100 | 230 | 47 | 47 | 1 | 283 | 230 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | マンパニ | 1001 | 100 | 443 | 43 | 43 | 1 | 518 | 443 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

資料: 社会経済調査、JICA、1988年

農産物の生産量と価格等(コメ)

| 地区 | 郡 | 行政村 | 調査世帯数 | | コメ | | 平均耕作面積(a) | 反収 Kg/10a | 平均自家消費量率(%) | 平均販売率(%) | 販売農家回答 | 平均単価 FMG/Kg |
|--------|---------|-----------|-------|-----|------|-----|-----------|-----------|-------------|----------|--------|-------------|
| | | | 世帯 | % | 生産者数 | % | | | | | | |
| | | | | | | | | | | | | |
| マンタスア | アンパトラオナ | アンパトラオナ | 30 | 100 | 17 | 57 | 21 | 230 | 100 | 0 | 0 | 0 |
| | | マヒチタデ | 70 | 100 | 59 | 84 | 26 | 242 | 67 | 33 | 1 | 1500 |
| | | アトレアニホロ | 22 | 100 | 20 | 91 | 28 | 320 | 57 | 43 | 1 | 1500 |
| | | アンジヨロ | 26 | 100 | 24 | 92 | 21 | 464 | 51 | 49 | 0 | - |
| | | マンタスア | 48 | 100 | 38 | 79 | 28 | 232 | 46 | 54 | 1 | 1700 |
| | | マソンバヒニ | 55 | 100 | 38 | 69 | 18 | 313 | 97 | 3 | 1 | 1700 |
| | | ミアダマンジャカ | 33 | 100 | 28 | 85 | 21 | 210 | 51 | 49 | 0 | - |
| | | ミアダナンドリ | 86 | 100 | 78 | 91 | 27 | 239 | 99 | 1 | 4 | 1513 |
| | | アンボヒマンジャカ | 44 | 100 | 41 | 93 | 46 | 191 | 100 | 0 | 2 | 1500 |
| | | アンボヒベ | 39 | 100 | 33 | 85 | 36 | 259 | 94 | 6 | 3 | 1433 |
| チアソンバニ | アソシベ | メリカンザカ | 34 | 100 | 24 | 71 | 30 | 346 | 77 | 23 | 6 | 1667 |
| | | アソソバニカライ | 22 | 100 | 20 | 91 | 36 | 221 | 99 | 1 | 5 | 1500 |
| | | ミアリナリボ | 509 | 100 | 420 | 83 | | | | | 24 | |
| | | 小計 | 25 | 100 | 25 | 100 | 70 | 257 | 75 | 25 | 2 | 1050 |
| アソシベ | トリモロハラノ | アソソバニ | 61 | 100 | 56 | 92 | 66 | 273 | 74 | 26 | 8 | 1153 |
| | | マハチンソ | 24 | 100 | 22 | 92 | 46 | 238 | 75 | 25 | 3 | 1310 |
| | | アンボヒツォア | 23 | 100 | 21 | 84 | 28 | 263 | 92 | 18 | 1 | 1400 |
| | | イハラマラザ | 68 | 100 | 68 | 100 | 41 | 293 | 98 | 2 | 16 | 697 |
| | | マナンドリ | 32 | 100 | 29 | 91 | 30 | 378 | 100 | 0 | 0 | 0 |
| | | モララノ | 99 | 100 | 95 | 96 | 46 | 286 | 100 | 0 | 13 | 859 |
| | | アナラミアトラ | 24 | 100 | 23 | 96 | 64 | 234 | 73 | 27 | 6 | 767 |
| | | アソソバニ | 109 | 100 | 92 | 84 | 42 | 273 | 71 | 29 | 26 | 815 |
| | | ハカロ | 27 | 100 | 27 | 100 | 44 | 245 | 100 | 0 | 1 | 1850 |
| | | 小計 | 492 | 100 | 458 | 93 | | | | | | 76 |
| 合計 | | | 1001 | 100 | 878 | 87 | | | | | 100 | |

注: 1. 平均自家消費率(%) = 自家消費量 / 総生産量 * 100
 2. 平均販売率(%) = (総生産量 - 自家消費量) / 総生産量 * 100
 3. 表中の - は不明を表す。
 資料: 社会経済調査、JICA、1998年

農産物の生産量と価格等(キヤッサバ)

| 地区 | 郡 | 行政村 | 調査世帯数 | | キヤッサバ生産者数 | | 平均耕作面積(a) | 反収 Kg/10a | 平均自家消費量率(%) | 平均販売率(%) | 販売農家回答 | 平均単価 FMG/Kg |
|--------|----------|-----------|-------|-----|-----------|------|-----------|-----------|-------------|----------|--------|-------------|
| | | | 世帯 % | 世帯数 | 世帯 % | 生産者数 | | | | | | |
| マンタスア | アンバトラオナ | アンバトラオナ | 30 | 100 | 10 | 34 | 4 | 100 | 0 | 0 | 0 | 0 |
| | | マヒチタデ | 70 | 100 | 36 | 51 | 11 | 231 | 87 | 23 | 3 | 4840 |
| | | アトレアニホロ | 22 | 100 | 9 | 41 | 15 | 183 | 100 | 0 | 0 | 0 |
| | | アンジョロ | 26 | 100 | 12 | 46 | 7 | 547 | - | - | 1 | 500 |
| | | マンタスア | 48 | 100 | 24 | 50 | 13 | 362 | 9 | 91 | 4 | 8600 |
| | | マソンバヒニ | 55 | 100 | 16 | 29 | 16 | 646 | 87 | 13 | 3 | 350 |
| | | ミアダマンジャカ | 33 | 100 | 15 | 45 | 11 | 573 | 86 | 14 | 1 | 1150 |
| | | ミアダナンドリア | 86 | 100 | 40 | 47 | 18 | 345 | 97 | 3 | 11 | 467 |
| | | アンボヒマンジャカ | 44 | 100 | 17 | 39 | 41 | 197 | 53 | 47 | 2 | 300 |
| | | アンボヒベノ | 39 | 100 | 4 | 10 | 24 | 946 | 38 | 63 | 2 | 213 |
| チアソソバニ | トリモロハラノ | メリカンザカ | 34 | 100 | 9 | 26 | 20 | 110 | 90 | 10 | 0 | - |
| | | チアソソバニケリイ | 22 | 100 | 11 | 50 | 13 | 154 | 63 | 37 | 1 | 500 |
| | | ミアリナリボ | 509 | 100 | 203 | 40 | 40 | | | | 28 | |
| | | 小計 | 25 | 100 | 13 | 52 | 16 | 429 | 100 | 0 | 0 | 0 |
| チアソソバニ | アンボヒミアダナ | アンドリアンチアソ | 61 | 100 | 32 | 52 | 30 | 214 | 86 | 14 | 4 | 403 |
| | | アンゴドゴドナ | 24 | 100 | 14 | 58 | 31 | 220 | 67 | 33 | 2 | 275 |
| | | マハチソソ | 23 | 100 | 14 | 56 | 20 | 353 | 79 | 21 | 3 | 800 |
| | | アンボヒツォア | 68 | 100 | 35 | 51 | 28 | 596 | 77 | 23 | 7 | 907 |
| | | イハラマラザ | 32 | 100 | 18 | 56 | 14 | 601 | 94 | 6 | 4 | 2500 |
| | | マナンドリアナ | 99 | 100 | 51 | 52 | 32 | 275 | 100 | 0 | 0 | 841 |
| | | モララノ | 24 | 100 | 12 | 50 | 59 | 321 | 84 | 16 | 1 | 650 |
| | | アナラミアトラ | 109 | 100 | 48 | 44 | 12 | 393 | 66 | 34 | 6 | 500 |
| | | アソソバニヨハナ | 27 | 100 | 14 | 52 | 19 | 712 | 94 | 6 | 2 | 350 |
| | | バカロ | 492 | 100 | 251 | 49 | 49 | | | | | 38 |
| 合計 | | 1001 | 100 | 454 | 45 | | | | | | 66 | |

注: 1. 平均自家消費率(%) = 自家消費量 / 総生産量 * 100
 2. 平均販売率(%) = (総生産量 - 自家消費量) / 総生産量 * 100
 3. 表中の-は不明を表す。

資料: 社会経済調査、JICA、1998年

農産物の生産量と価格等(ジャガイモ)

| 地区 | 郡 | 行政村 | 調査世帯数 | | シガイモ生産者数 | | 平均自作消費量率(%) | 反収 Kg/10a | 平均自家消費量率(%) | 販売農家回答 | 平均単価 FMG/Kg |
|---------|----------|-----------|-------|-----|----------|-----|-------------|-----------|-------------|--------|-------------|
| | | | 世帯 | % | 世帯 | % | | | | | |
| | | | 30 | 100 | 5 | 17 | | | | | |
| マンタスア | アンバトラオナ | アンバトラオナ | 70 | 100 | 20 | 29 | 56 | 164 | 44 | 3 | 750 |
| | | マヒチタデ | | | | | | | | | |
| | マンタスア | アトレアニホロ | 22 | 100 | 7 | 32 | 30 | 480 | 70 | 4 | 313 |
| | | アンジヨロ | 26 | 100 | 9 | 35 | - | 74 | - | 0 | - |
| | | マンタスア | 48 | 100 | 15 | 31 | 74 | 338 | 26 | 3 | 433 |
| | ミアダナンドリア | マンバヒニ | 55 | 100 | 9 | 16 | 100 | 380 | 0 | 4 | 363 |
| | | ミアダマンジャカ | 33 | 100 | 8 | 24 | 97 | 413 | 3 | 0 | - |
| | ミアダナンドリア | アンボヒマンジャカ | 86 | 100 | 42 | 49 | 55 | 464 | 45 | 32 | 370 |
| | | アンボヒベノ | 44 | 100 | 16 | 36 | 63 | 424 | 37 | 7 | 317 |
| | メリカンザカ | メリカンザカ | 39 | 100 | 29 | 74 | 47 | 884 | 53 | 26 | 343 |
| チアンバニケリ | | 34 | 100 | 16 | 47 | 59 | 440 | 41 | 13 | 264 | |
| ミアリナリボ | | 22 | 100 | 18 | 82 | 54 | 1004 | 46 | 13 | 304 | |
| 小計 | | | 509 | 100 | 194 | 38 | | | | 108 | |
| チアソンバニ | アシベ | アンドリアンチアソ | 25 | 100 | 23 | 92 | 22 | 758 | 78 | 19 | 343 |
| | | アンゴドゴドナ | 61 | 100 | 53 | 87 | 16 | 960 | 84 | 46 | 390 |
| | トリモロハラノ | マハチンソ | 24 | 100 | 20 | 83 | 16 | 1111 | 84 | 17 | 353 |
| | | アンボヒツオア | 23 | 100 | 16 | 64 | 32 | 492 | 68 | 8 | 297 |
| | アンボヒミアダナ | イハラマラサ | 68 | 100 | 48 | 71 | 26 | 718 | 74 | 44 | 344 |
| | | マナンドリアナ | 32 | 100 | 23 | 72 | 39 | 881 | 61 | 21 | 336 |
| | タンカフアトラ | モララノ | 99 | 100 | 91 | 92 | 27 | 705 | 73 | 82 | 348 |
| | | アナラミアトラ | 24 | 100 | 24 | 100 | 20 | 731 | 80 | 23 | 375 |
| | フィツヨジヨハナ | アンボヒジャナカ | 109 | 100 | 101 | 93 | 19 | 870 | 81 | 96 | 346 |
| | | ケリマフアナ | 27 | 100 | 23 | 85 | 27 | 871 | 73 | 15 | 356 |
| 小計 | | | 492 | 100 | 422 | 83 | | | | 371 | |
| 合計 | | | 1001 | 100 | 616 | 62 | | | | 479 | |

注: 1. 平均自家消費率(%) = 自家消費量 / 総生産量 * 100
 2. 平均販売率(%) = (総生産量 - 自家消費量) / 総生産量 * 100
 3. 表中の-は不明を表す。
 資料: 社会経済調査、JICA、1998年

農産物の生産量と価格等(サツマイモ)

| 地区 | 郡 | 行政村 | 調査世帯数 | | サツマイモ生産者数 | | 平均自作 面積(a) | 反収 Kg/10a | 平均自家消 費率(%) | 平均販売 率(%) | 販売農 家回答 | 平均単価 FMG/Kg | |
|-----------|----------|-----------|---------|---------|-----------|---------|---------------|--------------|----------------|--------------|------------|----------------|-----|
| | | | 世帯 % | 世帯 % | 世帯 % | 世帯 % | | | | | | | |
| マンタスア | アンバトラオナ | アンバトラオナ | 30 | 100 | 13 | 43 | 4 | - | 0 | 0 | 0 | 0 | |
| | | マヒチタデ | 70 | 100 | 32 | 46 | 8 | 310 | 100 | 0 | 0 | 2 | 450 |
| | マンタスア | アトレニアニホト | 22 | 100 | 7 | 32 | 2 | 625 | 100 | 0 | 0 | 0 | 0 |
| | | アンジヨロ | 26 | 100 | 9 | 35 | 5 | 460 | - | - | - | 1 | 500 |
| | | マンタスア | 48 | 100 | 19 | 40 | 15 | 635 | 100 | 0 | 0 | 1 | 300 |
| | ミアダナンドリア | マソンバヒニ | 55 | 100 | 11 | 20 | 96 | 77 | 99 | 1 | 1 | 1 | 150 |
| | | ミアダマンジャカ | 33 | 100 | 11 | 33 | 8 | 275 | 99 | 1 | 1 | 0 | 0 |
| | メリカンサカ | アンボヒマンジャカ | 86 | 100 | 27 | 31 | 17 | 298 | 84 | 16 | 16 | 2 | 400 |
| | | アンボヒベノ | 44 | 100 | 7 | 16 | 10 | 367 | 100 | 0 | 0 | 0 | 0 |
| | チアソンバニ | メリカンサカ | 39 | 100 | 5 | 13 | 15 | - | - | - | - | - | - |
| チアソンバニケレイ | | 34 | 100 | 4 | 12 | 26 | 138 | 100 | 0 | 0 | 1 | 750 | |
| チアソンバニ | トリモロハラノ | ミアリナリボ | 22 | 100 | 8 | 36 | 16 | 362 | 100 | 0 | 0 | 0 | 0 |
| | | 小計 | 509 | 100 | 153 | 30 | 30 | | | | | 8 | |
| | アンボヒミアダナ | アンドリアンチアン | 25 | 100 | 7 | 28 | 8 | 154 | 78 | 22 | 22 | 0 | 0 |
| | | アンゴドンゴドナ | 61 | 100 | 22 | 36 | 8 | 503 | 29 | 71 | 71 | 1 | 500 |
| | タンカフアトラ | マハチンソ | 24 | 100 | 9 | 38 | 21 | 208 | 100 | 0 | 0 | 0 | 0 |
| | | アンボヒツォア | 23 | 100 | 7 | 28 | 10 | 160 | - | - | - | 1 | 200 |
| | ミアダナ | イハラマラザ | 68 | 100 | 22 | 32 | 9 | 755 | 47 | 53 | 53 | 1 | 350 |
| | | マナンドリア | 32 | 100 | 8 | 25 | 9 | 862 | 46 | 54 | 54 | 3 | 350 |
| | フイツォンシハナ | モララノ | 99 | 100 | 31 | 31 | 7 | 857 | 100 | 0 | 0 | 0 | 0 |
| | | アナラミアトラ | 24 | 100 | 9 | 38 | 31 | 174 | 100 | 0 | 0 | 0 | 0 |
| バカロ | アンボヒジャナカ | 109 | 100 | 41 | 38 | 5 | 1200 | 86 | 14 | 14 | 1 | 500 | |
| | ケリマアアナ | 27 | 100 | 11 | 41 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 合計 | | 小計 | 492 | 100 | 167 | 34 | | | | | 7 | | |
| | | 合計 | 1001 | 100 | 320 | 32 | | | | | 15 | | |

注: 1. 平均自家消費率(%) = 自家消費量 / 総生産量 * 100
 2. 平均販売率(%) = (総生産量 - 自家消費量) / 総生産量 * 100
 3. 表中の-は不明を表す。
 資料: 社会経済調査、JICA、1998年

農産物の生産量と価格等(メイズ)

| 地区 | 郡 | 行政村 | 調査世帯数 | | メイズ | | 反収 Kg/10a | 平均自家消 費率(%) | 平均販売 率(%) | 販売農 家回答 | 平均単価 FMG/Kg | |
|--------|-----------|-----------|-------|------|------|----|--------------|----------------|--------------|------------|----------------|-------|
| | | | 世帯 | % | 生産者数 | 世帯 | | | | | | 面積(a) |
| マンタスア | アンパトラオナ | アンパトラオナ | 30 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | マヒチタデ | 70 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | マンタスア | アンドレアニホロナ | 22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アンジヨロ | 26 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | マンタスア | 48 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | マンンバヒニ | 55 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ミアダナンドリア | ミアダマンジャカ | 33 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アンボヒマンジャカ | 86 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アンボヒベノ | 44 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | メリカンザカ | 39 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | チアゾンパニ | メリカンザカ | 34 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | チアゾンパニカレイ | 22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | ミアリナリボ | 22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 小計 | | 509 | 100 | 0 | 0 | | | | | 0 | |
| チアゾンパニ | アノシベ | アンドリアンチアソ | 25 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アノゴドゴドナ | 61 | 100 | 2 | 3 | 6 | 133 | 50 | 50 | 1250 | |
| | トリモロハラノ | マハチンソ | 24 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アンボヒツォア | 23 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | アンボヒミアダナ | イハラマラザ | 68 | 100 | 3 | 4 | 11 | 0 | 0 | 0 | 0 | |
| | | マナンドリアナ | 32 | 100 | 1 | 3 | 4 | 25 | 100 | 0 | 0 | |
| | タンカフアトラ | モララノ | 99 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | アナラミアトラ | 24 | 100 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | |
| | アワチヨンジヨハナ | アンボヒジャナカ | 109 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | ケリマアアナ | 27 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 小計 | | 492 | 100 | 7 | 1 | | | | | 1 | |
| | 合計 | | | 1001 | 100 | 7 | 1 | | | | 1 | |

注: 1. 平均自家消費率(%) = 自家消費量 / 総生産量 * 100
 2. 平均販売率(%) = (総生産量 - 自家消費量) / 総生産量 * 100
 3. 表中的一は不明を表す。
 資料: 社会経済調査、JICA、1998年