

I. GENERAL INFORMATION

GEOGRAPHICAL LOCATION

Northern Mindanao is within the grid square of 7° 25' to 10° 30' North Latitude. It is bounded on the North by Bohol Sea, on the South by Lanao del Sur and North Cotabato, on the West by Zamboanga provinces, and on the East by Agusan Provinces and Davao.

Region 10 consists of five provinces. It is composed of the landlocked province of Bukidnon in the South; Misamis Oriental in the North; the paradise island of Camiguin in the Northeast, Lanao del Norte and Misamis Occidental in the West, it comprises 8 cities of Cagayan de Oro, Gingoog, Iligan, Malaybalay, Valencia, Ozamis, Oroquieta, and Tangub; a total of 85 municipalities; 11 Congressional districts, and 2,020 barangays.

Bukidnon has vast agricultural resources which are highly suitable for almost all types of crops; it is the region's food basket and primary supplier of raw material for processing in the various agri-industrial centers of the region. Misamis Oriental is the hub and industrial center of the region; is the home to the regional airport, international seaport, first class hotels and variety of agri-based & other manufacturing industries. The island of Camiguin is a place of unspoiled beauty, white sandy beaches, clear mountain springs and waterfalls and rustic old world charm. Misamis Occidental is a place of natural beauty, wetlands, unspoiled forests and rich, fertile soil; it is the base for most of the region's aquaculture industries. And lastly Lanao del Norte, the newest province added to the Northern Mindanao Region; it is traversed by several rivers, the most important of which is the Agus River which feeds the Ma. Cristina Falls, a major source of hydroelectric power for the Mindanao Grid.

CLIMATE AND TOPOGRAPHY

Three Climate types prevail in the different areas of Northern Mindanao:

Type II - No dry season with very pronounced maximum rainfall from November to January in the province of Camiguin and Misamis Occidental.

Type III - Relatively dry from November to April and wet during the rest of the year, affecting Misamis Oriental and Central Bukidnon.

Type IV - Rainfall is evenly distributed throughout the year in Northeastern Misamis Oriental and Bukidnon.

Region 10 is geologically a combination of plants, mountains, rolling hills, and coastal areas with rich soil, abundant minerals, agriculture, forest and aquaculture resources. The region is strategically located serving as the gateway to and from the rest of Mindanao, linking this resource-rich island to the rest of the country and the world via its relatively modern seaport, airports and an extensive arterial road network. It is located outside the typhoon belt and enjoys a climate that is favorable to agriculture and industrial activities. And lastly the region is blessed with abundant hydro-electric power supply which constitutes the bulk of power available in the Mindanao Grid and still has a lot of hydro electric potentials ready for tapping.

LAND RESOURCES

Northern Mindnao is blessed with bountiful and varied resources that include fertile agricultural lands, vast pastures and an extensive coastal stretch. Prime agricultural lands and fertile, cultivable areas for crop production cover more than 600,00 hecatres. Corn, rice, sugarcane, pineapple, coconut and banana are the main crops. A 1,160 kilometers coastline makes fishing a major occupation for those living in the coastal areas.

LAND AREA

By Province (In Has.)

| Province | Land Area | Agricultural Land | Total NPAAAD | SAFDZ Areas | Remaining NPAAAD |
|--------------------|-----------|-------------------|--------------|-------------|------------------|
| Bukidnon | 829,380 | 426,251.37 | 310,521 | 227,720 | 82,801 |
| Camiguin | 23,795 | 16,405.39 | 12,362 | 8,212 | 4,150 |
| Lanao del Norte | 427,844 | 235,446.18 | 212,909 | 207,392 | 5,517 |
| Misamis Occidental | 193,932 | 113,567 | 125,157 | 125,157 | 0 |
| Misamis Oriental | 357,010 | 200,131.87 | 167,699 | 86,512 | 81,187 |
| Total | 1,831,961 | 991,801.81 | 828,648 | 654,993 | 173,655 |

II. AGRICULTURAL AND MARKET INFORMATION

Principal Market Centers

| Province | Name of Market Center/Address | Classification of Market |
|------------------|--|--------------------------|
| Misamis Oriental | 1. Agora Market, Agora, Cagayan de Oro City | Public |
| | 2. Cogon Market, Cogon, Cagayan de Oro City | Public |
| | 3. Carmen Market, Carmen, Cagayan de Oro City | Public |
| | 4. Puerto Market, Puerto, Cagayan de Oro City | Public |
| | 5. Gaisano Supermarket, Cagayan de Oro City | Private |
| | 6. Ororama Supermarket, Cagayan de Oro City | Private |
| | 7. SM Supermarket, Cagayan de Oro City | Private |
| | 8. Robinsons Supermarket, Cagayan de Oro City | Private |
| | 9. Plaza Fair Supermarket, Cagayan de Oro City | Private |
| | 10. Gingoog Market, Gingoog | Public |

| | | |
|--------------------|--|---------|
| | 11. Bulua Market, Bulua, Cagayan de Oro City | Public |
| Bukidnon | 1. Valencia Market, Valencia | Public |
| | 2. Malaybalay Market, Valencia | Public |
| | 3. Gaisano Supermarket, Malaybalay | Private |
| Camiguin | 1. Mambajao Market | Public |
| Misamis Occidental | 1. Gaisano Supermarket, Ozamis | |
| | 2. Oroquieta Market | Public |
| | 3. Ozamis Market | Public |
| | 4. Tangub Market | Private |
| Lanao del Norte | 1. Gaisano Supermarket, Iligan City | Private |
| | 2. Tubod Market | Public |

Bagsakan Centers

| Province | Name of Bagsakan Center/Address | Status |
|--------------------|---|-----------------------------------|
| Bukidnon | 1. Lantapan Bagsakan Center, Lantapan, Bukidnon | Non-operational |
| | 2. Manolo Fortich Bagsakan Center, Manolo Fortich, Bukidnon | Operational |
| | 3. Impasug-ong Bagsakan Center, Impasug-ong, Bukidnon | Operational |
| Misamis Oriental | 1. Sugbongcogon Bagsakan Center, Sugbongcogon, Misamis Oriental | Non-operational |
| | 2. NORMINVEGGIES Bagsakan Center, Agora, Cagayan de Oro City | Operational |
| | 3. Agora Landing Area, Agora, Cagayan de Oro City | Operational |
| Misamis Occidental | 1. Calamba Bagsakan Center, Calamba, Misamis Occidental | Operational (every week-end only) |
| | 2. Sinocaban Bagsakan Center, Sinocaban, Misamis Occidental | Non-operational |

Trading Post

| Province | Trading Post |
|------------------|---|
| Bukidnon | Lantapan Trading Post, Kibangay, Lantapan, Bukidnon |
| | Impasug-ong Trading Post, Crossing Mt. Kitanglad, Impasug-ong, Bukidnon |
| Misamis Oriental | Sugbongcogon Trading Post, Sugbongcogon, Misamis Oriental |

Livestock Auction Markets & Its Schedule

| Location | Schedule | Type of Animal for Auction |
|------------------|-----------------|----------------------------|
| Misamis Oriental | | |
| Laguindingan | Saturday | Small Animals |
| El Salvador | Wednesday | Large Animals |
| | | |
| Bukidnon | | |
| Manolo Fortich | Saturday | Small Animals |
| Aglayan | Friday | Small Animals |
| | | |
| Lanao del Norte | | |
| Kapatagan | Saturday-Sunday | Small Animals |

III. SUPPORT SERVICES

INFRASTRUCTURE

Roads & Bridges By Province

| Types | Province | | | | |
|------------------------------|----------|----------|-----------------|--------------------|------------------|
| | Bukidnon | Camiguin | Lanao del Norte | Misamis Occidental | Misamis Oriental |
| Roads (KM) | 738.824 | 63.519 | 227.580 | 209.693 | 383.395 |
| Arterial Road | | | | | |
| <i>Concreted</i> | 99.543 | 52.252 | 142.819 | 53.482 | 285.896 |
| <i>Asphalted</i> | 133.079 | 5.157 | 26.197 | 132.035 | 52.367 |
| <i>Gravelled</i> | 506.202 | 6.110 | 58.564 | 24.176 | 45.133 |
| | | | | | |
| Bridges | 3.307 | 0.566 | 2.282 | 2.020 | 5.732 |
| <i>Permanent Length (km)</i> | 2.811 | 0.566 | 2.192 | 1.931 | 5.620 |
| <i>Temporary Length (km)</i> | 0.496 | 0 | 0.090 | 0.089 | 0.112 |

Source: Department of Public Works and Highways

Communications

Cagayan de Oro's residents and businesses are supported by the existence and dependability of State-of-the-art and reliable telecommunication facilities. Five (5) telephone companies offers national and international direct dialing options. Major cellular mobile telephone companies also have offices and well-established cell sites in the city.

Also available are several domestic broadband backbone networks using fixed-wire Fiber Optic Cables providing Digital Subscriber Lines (DSL) connections and Wi-Fi Technology. The following Internet Service Providers (ISPs) are also telephone companies providing services like internet transit, dial-up and leased line access among others.

Telephone Entities and Broadband Facilities (Cagayan de Oro City)

| Local Exchanges | Inter-Exchange Carrier | CMTS Operators | NDD/IDD Operator |
|-----------------|------------------------|---|------------------|
| PHILCOM | Philcom | Smart Communications & Globe Telecom | SOTELCO |
| MISORTEL | PLDT | Pilipino Telephone (PILTEL-Talk & Text) | |
| CRUZTELCO | ICC-Bayantel | Island Communications (Islacomm-Touch Mobile) | |
| TELOF | PT&T | Digitel (Sun Cellular) | |
| SOTELCO | ETPI Globe | Bayantel (Not yet operational) | |

Seaports

| Name of Municipality | No. of Seaports |
|---|-----------------|
| Misamis Oriental | |
| Gingoog | 2 |
| Jasaan | 1 |
| Medina | 1 |
| Opol | 1 |
| Balingasag | 1 |
| Manticao | 1 |
| Lugait | 1 |
| Cagayan de Oro City | 1 |
| Balingoan | 1 |
| Phividec Mindanao Terminal Container Port | 1 |
| Lanao del Norte | |
| Mocas | 1 |
| Iligan | 1 |
| Camiguin | |
| Binoni | 1 |
| Guinsiliban | 1 |
| Misamis Occidental | |
| Ozamis | 1 |
| Plaridel | 1 |

Cagayan de Oro International Port has 25 kilometers of coastline and fine deep harbor that serves both domestic and international vessels. It is considered the most modern outside of Metro Manila. The Mindanao Container Port at Phividec Industrial Estate boosted further Cagayan de Oro and the region's access to international markets.

Cagayan de Oro International Port Facilities:

| | |
|---|-------------|
| Total Land Area | 22 hectares |
| Quay Length (in meters) | 983 |
| Controlling Draft (in meters) – Phase 1/Phase 2 | 8.50/11.00 |
| Open Storage areas (hectares) | 4.70 |
| 2 Transit Sheds (sq. meters) | 4,800 |
| Open Transit Sheds (sq. meters) | 5,040 |
| Container Marshalling Yard (hectares) | 1.30 |
| Container Freight Station (sq. meters) | 5,040 |
| Roro Ramp | 1 |
| Reefer Outlets – 400V | 36 |
| Passenger Terminal (sq. meters) | 530 |

Mindanao Container Port Facilities:

- Throughout Capacity of 270,000 TEU/year
- 300-meter long wharf with deep harbor of 13 meters draft that can be accommodate up to 30,000 DWT local and international vessels 2 quay side gantry cranes measuring 30 meters high: 37 meters outreach and 4 rubber-tired gantry cranes that are capable of stacking up to 4-level high containers in 6 rows
- 38.10 meter high control tower equipped with port radar system, telecommunication system and closed circuit television
- 6 – hectare concrete-paved container yard
- 279 reefer van outlets

AIR
(CARGO RATES)

| PROVINCE | NAME OF AIRLINE | COMMODITY | VOLUME / RATE | NO. OF FLIGHTS DAILY |
|------------------|-----------------|-------------------------------|--------------------------------|----------------------|
| Misamis Oriental | Cebu Pacific | Vegetables/cutflowers/ fruits | 200 kg to 999 kg. – P9.50/kilo | 4 flights |
| | | | 1000 kgs up – P8.40/kg | |

| | | | | |
|--|---------------------|-------------------|---|-----------|
| | Philippine Airlines | Vegetables/fruits | 100 kilos below- P41.00/kg 100kgs to 499 kgs- P19.65/kg 500kgs to 999kgs – P18.40/kg 1000 kgs and up – P18.40/kg | 3 flights |
| | | Cutflowers | P41.00/kg | |
| | Air Philippines | Vegetables/fruits | Less than 100 kgs- P42.00/kg 100 kgs and up- P18.00/kg | 2 flights |
| | | Cutflowers | 6 kgs and up- P42.00/kg | |

Destination: Cagayan de Oro City to Manila

The Cagayan de Oro Lumbia Airport is reported to be the 6th busiest in the country. It is 8 kilometers away from the city proper.

| Destination | No. of Flights | Airline |
|-------------|-------------------------------------|--|
| Manila | 8-flights daily (incoming/outgoing) | Philippine Airlines, Cebu Pacific, Air Philippines |
| Iloilo | 2-flights daily | Air Philippines |
| Cebu | 1-flight daily | Asian Spirit |

EDUCATION

Cagayan de Oro takes pride in its rich pool of human capital and access to manpower from neighboring provinces and regions. Region 10 was recorded to have 109,000 enrollees in 2005 producing almost 20,000 graduates from various discipline with Cagayan de Oro accounting for 32% of the total graduates.

The city/s workforce is pooled from 9 universities, 77 colleges, 5 computer technology institutions and 18 others in Region 10 and in neighboring regions.

Over the past years, the big schools in the city have expanded their school facilities, curricula and scope of training. Collectively, these academic institutions have evolved into centers of excellence in:

- Information Technology
- Education
- Nursing
- Medicine
- Engineering

An accredited International School offers a curriculum in line with that in the US and Europe for children from the growing expatriate community.

Schools/Universities (with Agricultural Course) & Research Institution by Province

| Province | Name of School & Address |
|------------------|--|
| Misamis Oriental | <ul style="list-style-type: none"> • Xavier University-Ateneo de Cagayan, Cagayan de Oro City • Capitol University, Cagayan de Oro City • RIMCU(<i>research inst</i>) of Xavier University, Cagayan de Oro City |
| Bukidnon | <ul style="list-style-type: none"> • Central Mindanao University, Musuan, Maramag |
| Lanao del Norte | <ul style="list-style-type: none"> • MSU – Iligan Institute of Technology, Iligan City |

BANKING/CREDIT INSTITUTION

| PROVINCE | MUNICIPALITY | NAME OF CREDIT/BANK |
|------------------|-------------------------|--|
| Misamis Oriental | Gingoog | Philippine National Bank |
| | | Land Bank of the Phils. |
| | | Phil. Commercial Bank |
| | | PCI Bank |
| | | Green Bank |
| | Medina | Medina Rural Bank |
| | Talisayan | Talisayan Rural Bank |
| | Balingoan | Camiguin Rural Bank FICCO |
| | Kinoguitan | Rural Bank of Kinoguitan |
| | Balingasag | Rural Bank of Balingasag FICCO Secured Savings |
| | Jasaan | Jasaan Rural Bank |
| | Claveria | UCPB-Claveria |
| | Villanueva | SIAM Bank Cooperative Rual Bank Secured Savings FICCO |
| | Tagoloan | Rural Bank of Tagoloan Mindanao Dev't. Bank Secured Savings Bank |
| | Opol | UCPB Security Bank FICCO |
| | El Salvador | El Salvador Rural Bank |
| | Alubijid | Coop RB of Misamis Oriental FICCO Touch Foundation Inc. NTA |
| | Laguindingan | UCPB |
| Gitagum | Gitagum Rural Bank Inc. | |

| | | |
|--------------------|---------------------|--|
| | Initao | Initao Rural Bank SHERDEP |
| | Naawan | Naawan Rural Bank |
| | Manticao | Manticao Rural Bank |
| | Lugait | SIAM Bank Lugait Rural Bank |
| | Cagayan de Oro City | Accord Savings Bank, Inc. Allied Banking Corporation AI-Amanah Bank Asia United Bank BA Savings Bank Banco de Oro Bank of the Philippine Islands Bank of Commerce BPI Family Bank Capitol Bank China Banking Corporation Development Bank of the Phils. Equitable Bank East West Banking Green Bank Global Bank Keppel Monte IBM Bank Land Bank of the Philippines Philippine Farmers Bank Philippine National Bank Philippine Postal Savings Bank Philippine Veterans Bank Planters Bank Phil. Bank of Communication Rizal Commercial Banking Corp. Robinsons Bank Security Bank Corporation South Bank, Inc. Union Bank United Coconut Planters Bank Westmont Bank Maybank of the Philippines Metrobank & Trust Company Manila Bank LBC Bank |
| Misamis Occidental | Sapang Dalaga | Rural NBank of Sapang Dalaga |
| | Calamba | Rural Bank of Calamba Rural Bank of Oroquieta |
| | Plaridel | Rural Bank of Plaridel |
| | Lopez Jaena | Rural Bank of Lopez Jaena |

| | | |
|-----------------|----------------|---|
| | Oroquieta City | Rural Bank of Oroquieta PCI Bank United Coconut Planters Bank Phil. National Bank Land Bank Coop Rural Bank |
| | Aloran | United Coconut Planters Bank Rural Bank, Inc, |
| | Panaon | Panaon Rural Bank |
| | Jimenez | Jimenez Rural Bank |
| | Sinacaban | Sinacaban Rural Bank |
| | Tudela | Tudela Rural Bank |
| | Clarin | Community Rural Bank of Clarin |
| | Ozamis City | Allied Bank China Bank Far East Bank Metro Bank Metrobank Mindanao Dev't, Bank PCI Bank PDCP Phil. National Bank Rizal Commercial Banking Corp. Solid Bank United Coconut Planters Bank Rural Bank of Ozamis City, Inc. Panguil Bay Rural Bank Ventures Bank Dev't. Bank of the Phils. Land Bank Bank of the Phil. Islands Cooperative Rural Bank Central Bank |
| | Tangub City | Tangub Rural Bank |
| | Bonifacio | Bonifacio Rural Bank |
| Lanao del Norte | Baroy | Kapatagan Valley Bank |
| | Kolambugan | Kolambugan Rural Bank |
| | Maigo | Maigo Rural Bank |
| | Tubod | Land Bank of the Phils. Lanao del Norte Cooperative Bank Karomatan Rural Bank |
| | Kapatagan | Kapatagamn Valley Bank Kapatagan Market Vendors Consumers Cooperative |
| | Lala | Kapatagan Valley Bank Allied Bank |

| | | |
|-----------------|-------------------------|---|
| Camiguin | Mambajao | Camiguin Coop Bank Inc. Mambajao Community Rural Bank Land Bank of the Phils. Development Bank of the Phils. Camiguin Marketing Coop Mambajao Credit Coop Inc. Spanish Assistance for Integrated Livelihood Provincial Gov't. of Camiguin Through Plant Now Pay Later Government Employees MPC Camiguin Provincial Gov't. Employees Coop |
| | Mahinog | Camiguin Coop Bank, Inc. Mahinog Public Elementary Coop. St. Michael MPC |
| | Catarman | Catarman Camiguin Credit Coop. |
| Bukidnon | Cabanglasan | Private Lending Company |
| | Damulog | Private Lending Company |
| | Dangcagan | Bank |
| | Don Carlos | Private Lending Company Bank |
| | Kadingilan | Private Lending Company |
| | Kalilangan | Bank |
| | Kibawe | Bank |
| | Lantapan | Bank |
| | Libona | Private Lending Company |
| | Malitbog | Private Lending Company |
| | Manolo Fortich | Private Lending Company |
| | Maramag | Private Lending Company |
| | Quezon | Private Lending Company |
| | San Fernando | Private Lending Company |
| | Sumilao | Bank |
| | Talakag | Bank |
| Malaybalay City | Private Lending Company | |
| Valencia City | Private Lending Company | |

III. AGRIBUSINESS INVESTMENT OPPORTUNITIES

Costs and Returns of Priority Commodities

Lanzones

Estimated Cost of Establishing a Hectare of Lansium under Coconut (Lanzones)

| <u>PARTICULARS</u> | <u>COST (P)</u> |
|--------------------------|-----------------|
| A. Materials | |
| 1. 200 LPM longking at | 30,000 |
| 2. 2 bags of 16-16-16 at | 450 |

| | |
|---|---------------|
| 3. 40 bags chicken dung at | 50 |
| 4. Shading materials (stakes & coconut fronds) | 500 |
| Sub-total | 33,400 |
| B. Labor | |
| 1. Field clearing/brushing | 600 |
| 2. Hauling of Plants | 100 |
| 3. Holing and Planting | 800 |
| 4. Shade construction | 300 |
| Sub-total | |
| C. Irrigation Facilities (materials and labor) | 30,000 |
| Grand Total | 65,200 |

Establishment and maintenance cost of one hectare Lansium intercropped with 12 years old coconuts.

| PARTICULARS | COST (P) | | | | | | | | | | | |
|----------------------------|----------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. Establishment | 65,200 | 65,200 | | | | | | | | | | |
| 2. Fertilizer | 700 | 1,400 | 2,800 | 5800 | 7000 | 8400 | 9400 | 10500 | 10500 | 10500 | 10500 | 10500 |
| 3. Mechanical Weeding | 800 | 720 | 720 | 650 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| 4. Pruning | 200 | 400 | 400 | 400 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 5. Spraying | 200 | 250 | 300 | 300 | 100 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| 6. Fertilizing | 140 | 205 | 270 | 300 | 350 | 400 | 450 | 500 | 600 | 600 | 600 | 600 |
| 7. Fungicides | 140 | 300 | 300 | 300 | 600 | 600 | 600 | 800 | 800 | 800 | 800 | 800 |
| 8. Insecticides | 200 | 300 | 300 | 600 | 800 | 1200 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| 9. Herbicides | 3,200 | 2,800 | 1,800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | | | |
| 10. Irrigation | 1,500 | 2,000 | 2500 | 3000 | 3600 | 4000 | 4000 | 4000 | 4000 | | | |
| 11. Harvesting & Packaging | | | | | | | | | | | | |
| TOTAL | 72,280 | 8,375 | 9890 | 13350 | 17950 | 18000 | 22250 | 26600 | 30700 | 357000 | 40700 | 44700 |
| Cost of Harvesting | P1.00/kg | | | | | | | | | | | |

Rubber

Production Schedule of a 5-ha Rubber plantation

| Year | Production (kg) | | Gross Income (PhP) | | Tapper's Share (30% of GI) |
|------|-----------------|-------|--------------------|--------------|----------------------------|
| | Per Tree | Gross | Unit Price | Total Value | |
| 5 | 0.25 | 6250 | 100.00 | 625,000.00 | 187,500.00 |
| 6 | 0.25 | 6250 | 103.00 | 643,750.00 | 193,125.00 |
| 7 | 0.35 | 8750 | 106.09 | 928,287.50 | 278,486.25 |
| 8 | 0.35 | 8750 | 109.27 | 956,136.13 | 286,840.84 |
| 9 | 0.45 | 11250 | 112.55 | 1,266,197.41 | 379,859.22 |
| 10 | 0.45 | 11250 | 115.93 | 1,304,183.33 | 391,255.00 |

Labor requirement of a 5-hectare rubber plantation establishment

| ACTIVITY | MD/MMD | UNIT COST (PhP) | TOTAL COST (PhP) |
|--------------------------------------|----------------------------------|--------------------|---------------------|
| Plowing | 10 | 1,500.00 | 15,000.00 |
| Harrowing | 10 | 1,500.00 | 15,000.00 |
| Layouting | 15 | 100.00 | 1,500.00 |
| Holing | 46 | 150.00 | 6,900.00 |
| Purchase and Hauling of Seedlings | 35 | 150.00 | 5,250.00 |
| Planting | 21 | 150.00 | 3,150.00 |
| Replanting | 10 | 150.00 | 1,500.00 |
| Weeding | 190 | 150.00 | 28,500.00 |
| Fertilizer Application | 90 | 150.00 | 13,500.00 |
| Pruning | 30 | 150.00 | 1,500.00 |
| Spraying | 20 | 150.00 | 3,000.00 |
| Branch Induction | 10 | 150.00 | 1,500.00 |
| Tapping and Cuplump Collection | (30% of gross sales of cuplumps) | | 1,717,066.08 |
| Salary (Farm Manager) | (monthly basis) | 1,500.00 | 180,000.00 |

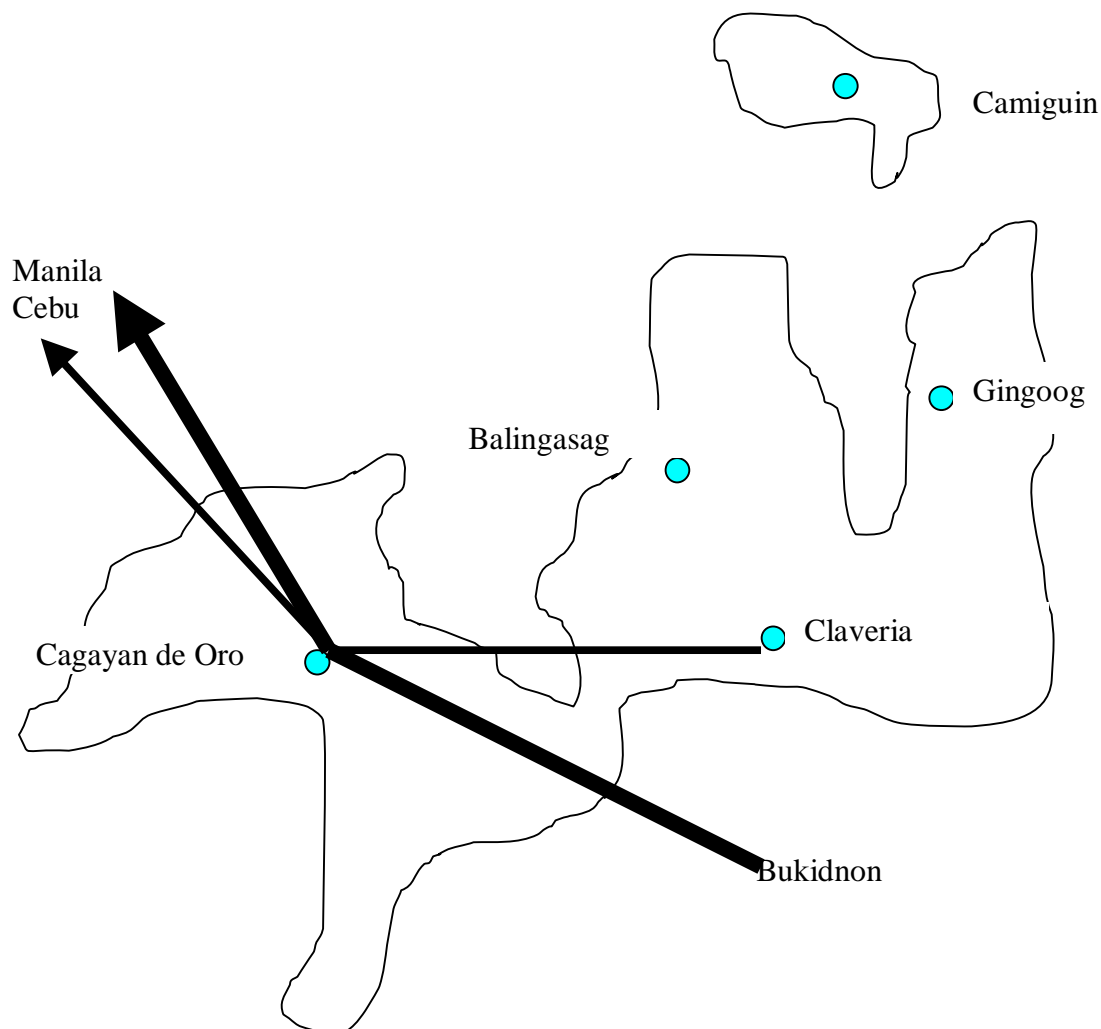
Banana

Banana Cardava Cost and Return

| PARTICULARS | YEAR 1 | YEAR 2 | YEAR 3 |
|--|--------|--------|--------|
| Labor Cost: | | | |
| Cleaning the Site | 1000 | | |
| Plowing/Harrowing | 2400 | | |
| Lining/Staking/Holing 4md (2) | 600 | | |
| Planting 6MD (P80.0) | 450 | | |
| Fertilizing 2 days x 5 MD (80.0) x 4x/yr | 3200 | 3200 | 3200 |
| Ring weeding & plant sanitation 5x @P4/h | 5000 | 5000 | 5000 |
| Desuckering/pruning 8MD (4) (80) | 2400 | 2400 | 2400 |
| Harvesting 5 MD @ P80>0) | | 400 | 400 |
| Subtotal | 15050 | 11000 | 11000 |
| Material Cost | | | |
| Saba/cardaba suckers @ P10.00 (4mx3m) 833 pcs | 8330 | | |
| Ammonium Phosphate (16-20-0) 4 bags @ P400 | 1600 | 1600 | 1600 |
| Urea (46-0-0) 3 bags P375 | 1135 | 1135 | 1135 |

| | | | |
|---|-----------|----------|------|
| Solophos (0-0-60) 5 bags @ P350 | 1135 | 1135 | 1135 |
| Farm implements | 2000 | | |
| Sprayer | 2500 | | |
| Chemicals | 1700 | 3600 | 3600 |
| | 10903 | 7470 | 7470 |
| 10% contingencies (mat'l., tools, eqpt) | 1090 | 747 | 747 |
| Subtotal | 11993.30 | 8217 | 8217 |
| GRAND TOTAL | 27043.30 | | |
| Income: No. of Hills (4m x 3m) | 833 hills | | |
| % of total plant fruiting | | @ 80% | @90% |
| Total # of bunches @ ave. wt. 40kg/b | 159936 | 667 | 750 |
| Total # of hand (12 hand/bunch) | 9996 | | |
| Total # of fingers (16 fingers/h) | 159,936 | | |
| Total # of finger/kg (9 f/kg) | 128064 | | |
| Value by kilo @ P3.00/kg | | 80040 | |
| Value sold by piece @ P.50/pc | | 64032 | |
| Net Income (if by piece) | | 36988.70 | |
| Net Income (if by kilo) | | 52997 | |
| R.O.I (start fruiting @ 1 year & 4 months)(by kilo) | | 1.9 | |

Geographical Flow of Commodity

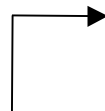


LEGEND:

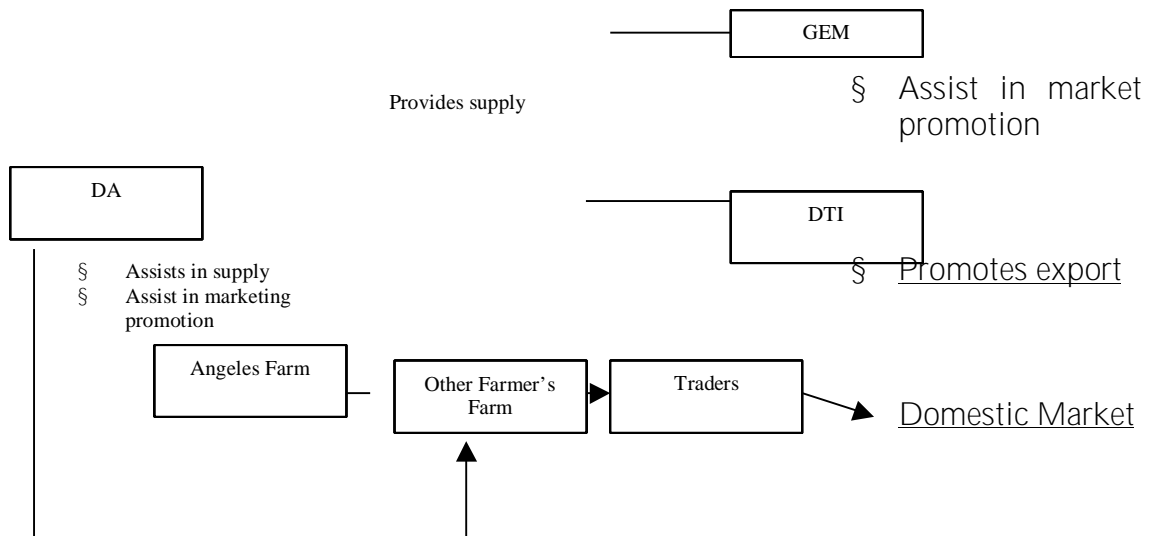


Banana (Cardava) for Chips in Region 10

For Fresh
Market



Domestic Market
Export Market



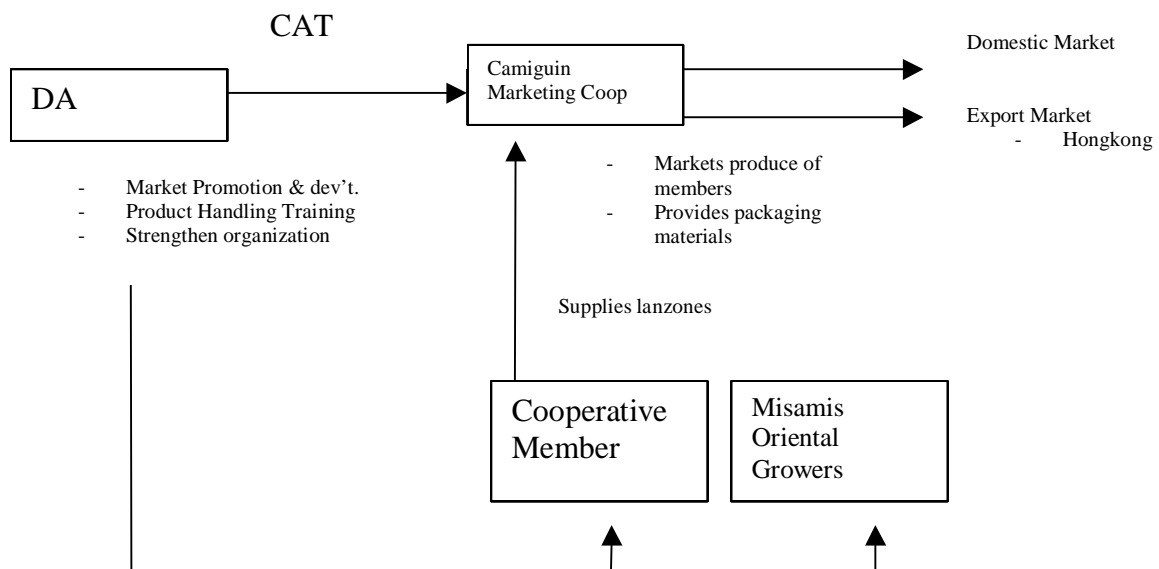
Needs:

- Extend Technical Assistance
- Assist in credit linkage
- Link supply with processors
- Strengthen organizations
- Provide market info and price info

Product : Philippine Super Mango
 Processor : De Oro Tropical Fruit Corporation
 Farmer Organization : Greater Northern Mindanao Mango Industry Foundation, Inc.

Season : April – June; July – December
 Domestic Market : Bacolod, Iloilo, Cebu, Manila
 Export Market : Puree-Hongkong, Malaysia, Brunei

Lanzones for Export in Region 10



Needs:

- Technology Enhancement
- Credit Linkage
- Post-harves technology
- Trial Shipments

Product : Lanzones
Producing Province: Camiguin, Misamis Oriental
Season : September- November, January - March

List of Technical Experts

Provincial Government in Region 10

| PROVINCE | PROVINCIAL GOVERNOR | PROVINCIAL AGRICULTURE OFFICER | AGRIBUSINESS COORDINATOR | CONTACT NUMBER |
|--------------------|---------------------------------|--------------------------------|--------------------------|----------------|
| Misamis Oriental | Gov. Oscar S. Moreno | Danilo Maputol | Zorobabel W. Rabe | 08822-724172 |
| Misamis Occidental | Gov. Loreto Leo S. Ocampos | Jose Satorre | Tito A. Piloton | 088-531-1632 |
| Camiguin | Gov. Jurdin Jesus M. Romualdo | Miguel L. Ibahay, Sr. | Roqueza Galendez | 08-387-1022 |
| Lanao del Norte | Gov. Muhamad Khalid Q. Dimaporo | Letecia G. Ditucalan | Rosalinda Ecot | 063-341-5345 |
| Bukidnon | Gov. Jose Maria Zubiri | Amie Gabriel G. Lanayan | Zayda B. Tampohan | 088-813-3845 |

Management Committee of Department of Agriculture Region 10

| Division | Name of MANCOM Member | Designation |
|---------------------------------|-----------------------------|---|
| Office of the Regional Director | Lealyn A. Ramos | OIC, Regional Executive Director |
| Office of the Regional Director | Constancio C. Maghanoy, Jr. | OIC, Regional Technical Director for Operations |
| Office of the Regional Director | Roxana H. Hojas | OIC, Regional Technical Director for Admin. |
| Finance | Lester A. Jaducana | Chief |
| Planning | Lourdes P. Rudinas | Chief |
| Livestock | Dr. Elvito D. Tac-an | Chief |
| Crops | Janen T. Paradero | OIC, Chief/Goal 2 Focal Person |
| Regulatory | Dr. Bemes G. Mondia | Chief |
| AMAD | Honey Gladys S. Valledor | OIC, Chief |
| RAED | Pedro U. Bergado | OIC, Chief |
| RAFID | Elsie R. Abecia | OIC, Chief |
| NOMIARC | Juanita B. Salvani | OIC, Center Manager |
| MSF | Catalino Soriano | OIC |
| BAFC | Ulito Kindom | Center Chief |
| RCPC | Virginia Rendom | OIC |
| CES | Carlota S. Madriaga | Center Chief |
| GMA RICE | Juliet B. Araos | GMA Rice Program Officer |
| GMA CORN | Larry Er. Paraluman | GMA Anchorperson for Corn/Goal Focal Person |
| AMAD | Corazon E. Balabat | Section Chief, Marketing |
| | Jenny D. Alcobilla | Agri I, Marketing Section |
| | Hyacinth F. Fuentes | Agri I, Investment Section |
| CROPS | Precy Akut | Rubber ,Banana, Lanzones Anchorperson |
| | Chedy Ansale | Vegetable Anchorperson |
| | Luisito Ofngol | Coffee Anchorperson |
| | Gleen Janubas | Mango & Kasuy Anchorperson |
| | Charry Edradan | Durian & Ornamentals Anchorperson |
| | Audy Maagad | Anchorperson for IPM |
| | Glenn Anduiza | Kalamansi Anchorperson |

CHAMBER OF AGRICULTURE FISHERIES & FOOD INDUSTRIES OF NORTHERN MINDANAO

| Name of Association | President | Contact Numbers |
|--|----------------------------|------------------------|
| Northern Mindanao Peanut Industry Association | Mr. Edwin B. Andot | 72-70-13/71-05-00 |
| | | 0917-706-8276 |
| Northern Mindanao Ornamental Horticulture Foundation, Inc. | Mr. Floro V. Dalapag | 0919-7005-924 |
| Northern Mindanao Vegetable Producers Association, Inc. | Mr. Marcelino E. Remotigue | 855-2488/0919-636-9869 |
| Pineapple Producers Association of Northern Mindanao | Mr. Marcelino E. Remotigue | 855-2488/0919-636-9869 |

| | | |
|---|-----------------------------|--------------------------|
| Patatas Farmers Association of Northern Mindanao, Inc. | Mr. Jesus Laguna | |
| Greater Northern Mindanao Mango Industry Development Foundation, Inc. | Mr. Jaime J. Nacua | 0916-307-3453 |
| Banana Industry Development Association | Mr. George T. Yacapin | 1919-766-7972 |
| Northern Mindanao Cassava Industry Association, Inc. | Ms. Marievic Futalan | 0919-563-3699 |
| United Rubber Planters and Processors Association, Inc. | Mr. Arturo M. Sanvictores | 73-26-39 |
| | | fax: 855-1234 |
| Northern Mindanao Kasoy Industry Association, Inc. | Ms. Gloria M. Garcia | 858-8870/72-21-35 |
| Northern Mindanao Corn Industry Association, Inc. | Mr. Roderico Bioco | 088-813-2466/221-5036 |
| | | |
| Federation of Cattle Ranchers Association of the Philippines | Dr. Juanita Montalvan | 72-42-86/72-91-62 |
| | | 0917-718-0122 |
| Food Processors Association of Northern Mindanao | Ms. Resurreccion U. de Pano | 088-3503675 |
| | | Fax: 73-26-59 |
| Northern Mindanao Farmers Marketing Cooperative | Mr. Rey Causin | 858-8812/0917-343-3459 |
| Northern Mindanao Hogs Industry Association, Inc. | Dr. Fortunato O. Venegas | 08822-723670/088-8554643 |
| United Papaya Growers Association | Mr. Carlito Vega | 0919-475-3508 |
| Misamis Oriental Fishpond Operators Association, Inc. | Mr. Campomanes c/o BFAR | |
| Misamis Oriental-Camiguin Commercial Fishing Association | Mr. Hermenigildo Bucog | 0917-978-2253 |
| Lanzones Growers Association of Northern Mindanao | Mr. Pedro B. Elago, Jr. | |
| Cagayan de Oro Hotel & Restaurants Association | Eileen San Juan | |
| Mindanao Silk | Benedict Lego | |

Directory of Buyers

| NO. | COMPANY NAME | ADDRESS | CONTACT PERSON |
|-----|--|--|-----------------------|
| | COCONUT & COCONUT-BY PRODUCTS | | |
| 1 | Bombeo Store | Neri St., Carmen, CDO | Anecita Bombeo |
| 2 | Cag. Agro Ind'l Pioneer Co., Inc. | #473 Puntod, CDO | Demosthenes R. Du |
| 3 | DBD Enterprises | B1 L 17 Virginia Village, Iponan, CDO | Dario Bagares Doong |
| 4 | Den Heng Commercial Company | Pres. Roxas St., CDO | Henry Ching Tiu |
| 5 | FAPCOR | Capt., V. Roa St., CDO | Oliver Y. Serifa |
| 6 | General Milling Corporation | Purok 6, Tablon, CDO | Gilbert Y. Kho |
| 7 | JTU Trading | San Pedro, Gusa, CDO | Juliette T. Uy |
| 8 | Pat Trading | Cor. Ipil-Suniel St., Carmen | Patricia Daming |
| 9 | Paz Neri San Jose Realty Dev, Corp. | Tomas Saco St., Nazareth, CDO | Dr. Jose Ma. R. Golez |
| 10 | | Bldg. F Coconut Section, Perimeter Stall | Marilyn Almonia |
| 11 | | Agora Market, CDO | |
| 12 | | Lapasan | Moises Cordero |
| 13 | | S#1069 Cogon Market, CDO | Fernando La Victoria |
| 14 | | S#152-A Cogon Market, CDO | Norma B. Mejias |
| 15 | | F Perimeter Coconut Section | Leonor Pajaron |
| 16 | | F-12. Perimeter Coconut Section | Roberto Pajaron |
| 17 | | Hayes St., CDO | Jose Maria B. Tamayo |
| 18 | Fiesta Brands, Inc. | Medina, Misamis Oriental | Raul Barcelona - Rep |

| COMPANY NAME | ADDRESS | CONTACT PERSON | CONTACT NUMBERS |
|---|---|---|--|
| COFFEE & CACAO | | | |
| De Oro Coffee Products | Gusa Highway, CDO LKKS Drive, J. Ramonal St., CDO | Samson Eng Guan | |
| Native Grains Marketing TTT International Trading Corp. | Liberty Land Bldg, Puntod, CDO DE Leon Plaza Yacapin/Velez Purok 2-B, Gusa, CDO V. Neri Sts., CDO | Antonio Ong Chan Tiong Tan Annielita A. Dy Carmen F. Tan Elmer Villanueva | |
| P.S. Merchandising | Lapasan Highway, CDO | Petra Uy | 72-44-41/856- 3431 856-3433/856- 2149 |

Vegetables

| NO. | NAME | ADDRESS | CONTACT PERSON | TEL NO. |
|-----|--|---|--|---|
| 1 | Mountain Fresh | Agora Landing Area, Agora Cagayan de Oro City | Ms. Minnie Poquieta | 088-856-5222 0918-722-9029 0920-225-3287 |
| 2 | Peter Sumabong | Agora Landing Area, Agora Cagayan de Oro City | | 088-858-8512 |
| 3 | GREENSTAR FARMS International, Inc. | 24A Gemini St., Villa Ernesto Subd., Gusa, CDO | Dr. Andreas H. Tanner (Pres., & CEO) | Telefax:858-7435 Cell #: (0917)706-5287 aht@gmx.ch |
| 4 | UBM Corp./Fresh One, Inc. | Door 2 Gaisano Warehouse Cugman Cagayan de Oro City | Cherry Mae Uy- Operation Asst | Tel: 733527 Cell: 0917-896-9202 ubm-cagayan@yahoo.com |

| | COMPANY NAME | ADDRESS | CONTACT PERSON | CONTACT NUMBERS |
|------|---|--|-------------------------------------|----------------------|
| CORN | | | | |
| 1 | Anthony A. Asuncion Grains Dealer Cagayan Corn | Tabcinco Bldg., Puntod, CDO | Anthony Asuncion | |
| 2 | Products, Corp. | Tablon, CDO | Alda Go | 855-2902 |
| 3 | Denbols Trading Everbest AgriProducts | V. Castro St., Carmen, CDO Oro Maura Bldg., J. Pacana St., | Denbol P. Bombeo | |
| 4 | Trading, Inc. | Puntod, CDO | Eugenia Ty | 72-55-05 |
| 5 | General Milling Corp. Golden Gate Agro- resources Corp. | Purok 6, Tablon, Cdo Baloy Highway, Tablon, CDO PH-1A Blk1Lot31 Villa Trinitas Subd., Bugo, CDO | Gilbert Y. Kho Ronald L. Rafanan | 73-20-09 73-20-91 |
| 7 | No-Ann Trading Pioneer Hi-Breed | | Noe P. Marquida | |
| 8 | Philippines, Inc. Tao Commodity | Teresita Bldg., Gusa, CDO | Manolo O. Valdez | 73-26-90/73-27-61 |
| 9 | Traders, Inc. TTT International | Julio Pacana St., CDO | Gaspar Vicente | |
| 10 | Trading, Corp. | Liberty Lnad Bldg., Puntod, CDO | Tan Chan Tiong | 72-42-79 |
| 11 | Unifeeds | J. Pacana, Puntod, CDO | Rolando Daño | |
| 12 | | V. Castro St., Carmen, CDO | Lavoiser T. Besañes | |
| 13 | | Osmeña-Ramonal Sts., CDO | Antonio F. Chua | |
| 14 | | Maitum, Upper Puerto, CDO Santiago Hayes St., Pinikitan, CDO | Vicente Gicabao Juanita Go | |
| 15 | | Corrales Extn., CDO | Eden T. Huang | |
| 16 | | Xavier Univ., Corrales Ave., CDO | Eunice Gene M. Lambayan | |
| 17 | | B-8, L-3, P-2, Villa Candida Subd., Bulua, CDO | Lorebel A. Peligrino | |
| 18 | | J. Pacana St., CDO | Wilfredo Javier | 72-29-66 |
| 19 | Cagayan Grain Center Limketkai Manufacturing Corp., Inc. | Corporate Office, Limketkai Complex, CDO | Ric Visande | 856-2228 |
| 20 | Agricola | #226 J. Pacana St., CDO | Liza Montecillo | 856-9207 |
| 21 | Adva Gro Tradelink Corp. | J. Pacana St., CDO | Amyee Ang | 72-30-14 |
| 22 | Purefoods Corp. | SMC Bldg, Baloy, CDO | Oscar Tria | 855-5831 |
| 23 | Mindanao Grains Cabanglasan Corn | Malaybalay City | Rod Bioco | 855-5873 |
| 24 | Milling | Cabanglasan, Bukidnon | Arnold Sanvictores | |
| 25 | JTU Trading | # 2 San Pedro, Gusa, CDO | | 72-92-51 |

MANGO

| | | | | |
|---|--|--|-----------------|---|
| 1 | Fe Malazarte Sanayon | Legaspi Village, Bara-as Tubod, Iligan City | | 063-221-2198 |
| 2 | Urgena Fruits | Justo Ramon St., Cagayan de Oro City | Marietta Urgena | Tel: 088-857-2299 Fax: 08822-72-2510 |
| 3 | Gerry Dungallo (Buying agent of 7D Foods Int'l | Block 18 Lot 12 Lapaz, Lapasan, CDO | | 088-856-2195 to 96 |

| | | | | |
|---|---------------------------|---|----------------------------------|---|
| 5 | Motherland Food Products | Balungis, Balulang, CDO | Susan Leagas | 088-350-3675 |
| 6 | Mr. Jaime Nacua | # 14 Bontong, Camaman-an Cagayan de Oro City | | 08822-72-34-21 |
| 7 | UBM Corp./Fresh One, Inc. | Door 2 Gaisano Warehouse Cugman, Cagayan de Oro City | Cherry Mae Uy- Operation Asst | Tel: 733527 Cell: 0917-896-9202 ubm-cagayan@yahoo.com |
| 8 | MAKRO Phils. | J R Borja-Velez St., CDO | Cecille Tan-Gatue | 856-6651 to 56 |

Banana

| <u>N O.</u> | <u>COMPANY NAME</u> | <u>ADDRESS</u> | <u>CONTACT PERSON</u> | <u>CONTACT NUMBERS</u> |
|-------------|--|---|------------------------|----------------------------------|
| 1 | Sees International Food Manufacturing Corp | Tubod, Lanao del Norte | Ruben See | (02-9122777 |
| 2 | Celebes Agricultural Corp. | Medina, Misamis Oriental | | |
| 3 | B & G Fruits Manufacturing Corp., | Patag, Opol, Misamis Oriental | | |
| 4 | Patag, Cagayan de Oro City | | George Yacapin | 09197667972 |
| 5 | Urgena Fruits | J. Ramonal St., Cagayan de Oro City | Marietta Urgena | 088- 8572299/08822- 722510 |
| 6 | Motherland Food Products Balongis, Balulang, Cagayan de Oro City | | Resurrecion de Pano | (088- 3503675/08822723421 |

Mango

| <u>N O.</u> | <u>COMPANY NAME</u> | <u>ADDRESS</u> | <u>CONTACT PERSON</u> | <u>CONTACT NUMBERS</u> |
|-------------|--|--|-------------------------|----------------------------------|
| 1 | | Legaspi Village, Bara-as, Tubod, Iligan City | Fe Malazarte Sanayon | 063-221-2198 |
| 2 | Urgena Fruits | J. Ramonal St., Cagayan de Oro City | Marietta Urgena | 088- 8572299/08822- 722510 |
| | Motherland Food Products Balongis, Balulang, Cagayan de Oro City | | Resurrecion de Pano | (088- 3503675/08822723421 |
| | | #14 Bontong, Camaman-an, Cagayan de Oro | Jaime Nacua | 08822-723421 |

| | | | | |
|--|---------------------------|---|-------------------|--------------------------|
| | | City | | |
| | UBM Corp., Fresh One, Inc | Door 2 Gaisano WareHouse, Cugman, Cagayan de Oro City | | 08822-733527/09178969202 |
| | MAKRO Philippines | Kauswagan Highway, Cagayan de Oro City | Cecille Tan-Gatue | 088-8566651 to 56 |

Directory of Suppliers

Mango

NO. FARM NAME FARM ADDRESS CONTACT PERSON CONTACT NUMBERS

BUKIDNON (37% share from the total members of Northern Mindanao)

| | | | | |
|----|--------------------------|---|-------------------------|-------------------|
| 1 | Mayo Farm | Naingon, Bukidnon | Yvette Locsin | |
| 2 | Flores Farm | Mambatangan, Manolo Fortich | Jose Antonio Marin, Jr. | 0915-501-2050 |
| 3 | Martinez Farm | Upper Puerto, Mambatangan, Manolo Fortich | Maria Clara Martinez | 73-23-51 |
| 4 | | Diklum, Manolo Fortich | Pat Medel | 72-33-58 |
| 5 | RVM Farms | Dalwangan, Malaybalay | Ma. Rhea Rizza Melliza | 857-2861 |
| 6 | Lolita's Farm | Kinawe, Libona | Tito Mora | 72-26-23/72-66-05 |
| 7 | Parana Country Farm | Calingota, Baungon | Felipe Lacson Parana | |
| 8 | | Lingating, Bukidnon | Fernando Abcede | 858-9863 |
| 9 | | Baungon | Antonio Soriano III | 72-42-57 |
| 10 | Soriano Farm | Mantibigad, Manolo Fortich | Heriberto Soriano | |
| 11 | | Mambatangan, Manolo Fortich | Armand Talian | 72-65-03 |
| 12 | | Imbatug, Manolo Fortich | Rolando Villaraza, Jr. | 73-54-59/858-9917 |
| 13 | JLM Farm | Lote, Baungon | Enrico Bacas | 72-29-66 |
| 14 | Bautista Farm | Alae, Manolo Fortich | Marlene Baustista | 858-9356 |
| 15 | Mulberry Country Farm | Manolo Fortich | Josefiano Calibugar | 0918-837-7337 |
| 16 | Maramag Project | North Maramag | Evelyn Garduce | 828-2154 |
| 17 | | Baungon | Vicente Cayme | 73-20-50 |
| 18 | GLC Farm | Mambatangan, Manolo Fortich | Geronimo Clitar | 73-21-83 |
| 19 | | Danatag, Baungon | Dr. Inocentes Agohoy | 841-2727 |
| 20 | | Baungon | Abello dela Peña | 0918-470-6956 |
| 21 | JRD Farm | Libona | Jerome Diolanto | 0912-710-7698 |
| 22 | | Manolo Fortich | Arnold Duterte | 73-51-24 |
| 23 | Fuentes-Mercado Paradise | Lingating, Bukidnon | Lorenzo Fuentes | 72-91-19 |
| 24 | | Salmagon, Quezon | Edilberto Hinaot | 73-52-51 |
| 25 | Saa Farm | Mambuaya | Martin Don Saa | 221-2030/516-709 |
| 26 | Santos Farm | Damilag/Lingating | Ricardo Santos | (088)532-42209 |
| 27 | | Maramag | Ulito Kindom | |
| 28 | | Kalilangan | Alfonso labor | |
| 29 | Ladera Farm | Maramag | Lita Ladera | 0912-314-4108 |
| 30 | Lagria Farm | Don Carlos | Simbicio Lagria | |

| | | | | |
|----|-------------------------|--------------------|---|-------------------|
| 31 | | Maramag | Maximiano Lagaro | |
| 32 | Mosue's Farm | Maramag | Leonilo Mosue | |
| 33 | Padilla Breeder Farm | Impasug-ong | Carlos Padilla | |
| 34 | HMP Farm | Musuan | Dr. Herminio Pava | |
| 35 | Peralta Farm | Don Carlos | Lawrence Peralta | |
| 36 | | Maramag | Phebe Pontillas | 72-21-18 |
| 37 | Roldan Orchards Nursery | Don Carlos | Asterio Roldan | |
| 38 | Tangara Farm | Maramag | Mariano Tangara | |
| 39 | Verdida's Farm | Linoran, Baungon | Imelda Berdida | 856-2458/291-0849 |
| 40 | RV Farms | Manolo Fortich | Joseph Villanoy | (0885)324-2306 |
| 41 | Aras Farm | Poblacion Valencia | Benjamin Ara | |
| 42 | Jocel's Farm | Poblacion Valencia | Neil Caballero | 844-2166 |
| 43 | EMC Farm | Damulog | Edifredo Cabillar | 858-9497 |
| 44 | Carbinilla Farm | Maramag | Clemencia Carbonilla | |
| 45 | Ducusin Farm | Don Carlos | Rodolfo Ducusin | |
| 46 | Escarlos Farm | Panadtalan | Juliana Escarlos | |
| 47 | Flores Farm | Don Carlos | Josefredie Flores/Jose Antonio Marin, Jr. | |
| 48 | | Don Carlos | Fave Lee Garay | |
| 49 | BTH Farm | Maramag | Benjamin Hofer | |
| 50 | Damulog Fruit Growers | Damulog | Rodolfo Trabajo | |

MISAMIS ORIENTAL

| | | | | |
|----|----------------------------|------------------------------|----------------------|----------------------------|
| 1 | Lina's Farm | Upper Puerto, Maitum, CDO | Ester Lina | 977-4545 |
| 2 | Estrada Farm | Initao, Misamis Oriental | Lani Maallo | 0912-710-2761 |
| 3 | MC Farm | Opol, Misamis Oriental | Eddie Maape | |
| 4 | Reuben Canoy Mango Farm | Kinoguitan, Mis. Or. | Santiago Manayaga | 73-54-11 |
| 5 | Kaisa Mango Farm | Bagoboc, Opol | Romeo Montesino | 854-2718 |
| 6 | CCC-Lumbia Farm Complex | Lumbia, CDO | Danilo Negre | |
| 7 | Omadlao Farms | Tugasnon, Alubijid, Mis Or. | Kenneth P. Omadlao | 72-28-81/857-3959/857-2657 |
| 8 | Triple K Farms | Malanang, Opol | Servil Joseph Padero | 72-55-86 |
| 9 | VMI Farms | Patag, Opol | Gilbert Pakino | 73-53-04 |
| 10 | PAM Farms | Sta. Ana, Tagoloan, Mis. Or. | Tito Paurom | 856-3386/73-24-47 |
| 11 | | Laguindingan, Mis Or. | Dr. Amado Piit | 72-31-57 |
| 12 | MANRESSA | Fr. Masterson Drive | Edgar Allan Po | 72-51-17 |
| 13 | Putis Farm | Tigaho, Dansolihon, CDO | Mario Putis | 72-28-39 |
| 14 | Quirantes Little Roch Farm | Lomboy, Indahag, CDO | Francisco Quirante | |
| 15 | Erlinda Farm | Lomboy, Indahag, CDO | Jerry Robante | 0918-470-6697 |
| 16 | C.D. Salcedo Farm | Consuelo, Magsaysay, CDO | Roy Lago Salcedo | 73-25-71 |

| | | | | |
|----|----------------------------|--------------------------------|-----------------------|------------------------|
| 17 | Golden Farm Fruit Growe | Bayanga, CDO | George Saldana | 73-50-53 |
| 18 | APSONS Farms | Lumbia, CDO | Arturo Sanvictores | 73-27-57/855-1234 |
| 19 | | El Salvador, Mis. Or. | Eddie Sia | 72-28-37/72-26-89 |
| 20 | Hacienda Priscilla | El Salvador, Mis. Or. | Arion Treseno | 72-22-58 |
| 21 | Alcantar Farm | Talisayan, Mis.Or. | Cedric Alcanter | 72-41-18 |
| 22 | BEL-FER Farm | El Salvador, Mis. Or. | Julius Banaag | 73-52-17 |
| 23 | Benavidez Farm | Naawan, Buk. | Bernard Benavidez | 72-21-64 |
| 24 | Borja Farm | Bayanga, CDO | Jim Borja | 72-49-04/72-51-23 |
| 25 | CC Farm Estate | Canitoan, CDO | Alfredo Caballero | 72-51-13/72-85-96 |
| 26 | Canoy Mango Farm | San Simon, CDO | Dra. Helen Canoy | 72-48-20 |
| 27 | | Lumbia, CDO | Philip Chan | 72-44-30/72-81-35 |
| 28 | Coufal Farm | Tignapoloan, CDO | Adolf Ulrich Coufal | 72-28-11/858-4765 |
| 29 | Curaning's Farm | CDO | Victorioso Curaning | 855-1115 |
| 30 | Dongallo Farm, Inc. | Balingasag, Mis. Or. | Emmanuel Dongallo | 72-41-92851-3852 |
| 31 | | Bolonsori, CDO | Ceufemio Dulalas | 857-2712/0918-470-1500 |
| 32 | Faber's Farm | Claveria, CDO | Dr. Henry Faber | 72-54-12 |
| 33 | | Initao, Misamis Oriental | Jude Fabrigas | 72-54-71 |
| 34 | | Lumbia, CDO | Manuel Floro | 73-21-66 |
| 35 | Lumbia Farm Complex | Lumbia, CDO | Bonaparte Gaid | 72-61-36 |
| 36 | Pryce Prop Corp. | Mambatangan, CDO | Allan Hojas | 72-55-12 |
| 37 | | CDO | Max/Primitiva Guerero | 72-63-76 |
| 38 | Jornales Farm | Claveria, CDO | Eleazar Jornales | |
| 39 | Logrosas Mango Plantation | Manticao, Mis Or. | Dominiano Lagrosas | |
| 40 | ARK Farm | Jasaan Mis Or. | Archieval Narida | |
| 41 | | Jasaan Mis Or. | Virgilia Pamutingan | 856-3444 |
| 42 | | Medina, Mis Or. | Meraldo Ragot | |
| 43 | Portulin Farm Services | Tup-on, Medina, Mis Or. | Florencia Rañopa | |
| 44 | Dongallo Farm, Inc. | Lagonglong, Mis Or. | Ricardo Santua | |
| 45 | Fruity Tootie Farm | Sugbongcogon, CDO | Renato Tacubao | 226-4133 |
| 46 | Valdehueza's Plant Nursery | Bliss Site, Balingoan, Mis Or. | Aurelio Valdueza | |
| 47 | Micah Farm | Jasaan Mis Or. | Larry Villuegas | 0912-0089 |
| 48 | Abañera Farm | Naawan, Buk. | Perfecto Abañera | |
| 49 | Bullecder Farms | Claveria, CDO | Venchito Farms | 72-24-62/567-0652 |
| 50 | Cagas-Benitez Farm | Libertad, Mis Or. | Aldin Cagas | |
| 51 | JRC Farm | Gingoog City | Jerome Casiño | 861-1322 |
| 52 | Catian Farm | Alubijid, Mis or. | Leonardo Catian | 0973-382-282 |
| 53 | | Laguindingan, Mis Or. | Silvestre Catill | |
| 54 | Gingoog de Lara Farm | Gingoog City | Vicente de Lara | 72-59-81 |
| 55 | Monte Carmelo Farm | Talisayan, Mis.Or. | Antolin Enterina | |
| 56 | Johnny's Farm | Sugbongcogon, CDO | Freda Estrella | |
| 57 | | Cagayan de Oro | James Messick | 72-33-64/855-1154 |

**MISAMIS
OCCIDENTAL**

| | | | | |
|---|------------|---------------------|------------------------|-----------------------|
| 1 | | Calamba, Mis Occ. | German Trudon | 065-531-1261/fax 1557 |
| 2 | JBE's Farm | Sinacaban, Mis Occ. | Danilo Enot | |
| 3 | | Aloran Mis, Occ. | Nicolas Antonio Cajita | 221-1084 |
| 4 | RBM Farms | Ozamis City | George Medina | 521-1468 |

**LANAO DEL
NORTE**

| | | | | |
|----|--------------------|-----------------------------|-----------------------|-------------------|
| 1 | Encarlex Farms | Lanao del Norte | Francisco Kho | 857-418 |
| 2 | Ferraris Farm | Kolambugan, Lanao del Norte | Guillermo Ferraris | 72-42-89 |
| 3 | Mel Y Farm | Lanao del Norte | Camilo Virtudazo | |
| 4 | | Baroy, Lanao del Norte | Lucas/Lisa Yu | 341-5422 |
| 5 | | Kapatagan, Lanao del Norte | Letecia Ditucalan | 063-341-5245 |
| 6 | Gov. Dimaporo Farm | Tubod, Lanao del Norte | Arthur Dumalagan | 341-5229 |
| 7 | | Tubod, Lanao del Norte | Rogelio Fernandez | 341-5320 |
| 8 | Padilla Farm | Sta. Flomina, Iligan City | Norberto Macas | 221-5403 |
| 9 | | Bumbaron, Iligan City | Rosenda Pacquiao | 221-6271 |
| 10 | Elena Farm | Bonbonon, Iligan City | Rene Padilla | 221-3389 |
| 11 | | Iligan City | Atty. Gerardo Padilla | 221-5403 |
| 12 | | Iligan City | Erlinda Plaza Tatil | 516-681 |
| 13 | | Linamon, Iligan City | Vicente Viridun | 221-5854 |
| 14 | Diago Farm | Miboo, Tipanog, Iligan City | Norma Diago | 221-3131/221-3778 |
| 15 | MR Farm | Ditucalan, Iligan | Nilo Bacayo | 221-1050 |
| 16 | Dacalos Tree | Mabato Salvador, Iligan | Aurelio Dacalos | 3415245 |
| 17 | Halibas Farm | Sta. Flomina, Iligan City | Erlinda Halibas | |

Banana

| NO. | FARM NAME | CONTACT PERSON | HOME ADDRESS | CONTACT NUMBERS |
|-----|-------------------------|-------------------------|---------------------------|-----------------|
| | | | | |
| 1 | | Carlos Antonio Cubero | Laluran, Libona, Bukidnon | 0919-864-4646 |
| 2 | Patsada Farm | Rene Esquibel | Luna Farm | 0916-573-6251 |
| 3 | | Brown Emata | c/o DA Tagoloan | |
| | | Carlos Neri | c/o DA Tagoloan | |
| | | Mr. Adis | c/o DA Tagoloan | |
| | | Cladio Schez | c/o DA Tagoloan | |
| | | Edgar Dayata | c/o DA Tagoloan | |
| | MORAFFA Mis Or. Agric'l | Rey Zia - Chairman/ | c/o DA Tagoloan | 726125/720801 |
| | Fruit Farmer Asso. Coop | Edwin Ramonal - Manager | c/o DA Tagoloan | |

Vegetables

| No. | Name of Farm | Contact Person | Farm Address |
|-----|-------------------------------|------------------------------|---|
| 1 | AHG Farm | Romeo Ara | Occasion, Sumilao, Bukidnon |
| 2 | ALA Champ Farm/Ratilla's Farm | Tita Ratilla | San Jose, Libona, Bukidnon |
| 3 | Arseluz Farm | Arseluzminda S. Kho | Sugbongcogon, Misamis Oriental |
| 4 | Atlantis Farm | Rey John Tan | Imbatug, Baungon, Bukidnon |
| 5 | Babatido's Farm | Willy B. Montilla | Cagayan de Oro City |
| 6 | Bacaoco's Farm | Rodolfo M. Bacaoco | Salay, Misamis Oriental |
| 7 | Bacarro's farm | Pafequanni B. Bacarro | Patpat, Baungon, Bukidnon |
| 8 | Bahay Kubo Farm | John P. Gaston | Mambatangan, Manolo Fortich, Bukidnon |
| 9 | Cabilada's Farm | Pulbio B. Cabliada | Kibanggay, Lantapan, Bukidnon |
| 10 | Cagbabanwa Farm | Lilia M. Cagbabanwa | |
| 11 | Camell Agriventures | Rhea Rizza P. Melliza | Dalwangan, Malaybalay, Bukidnon |
| 12 | Camell Agriventures II | Miraflor A. Cañeda | Malaybalay, Bukidnon |
| 13 | Catugal Farm | Candelario Catugal | Kisanday, Maramag, Bukidnon |
| 14 | Cecil's Paradise Farm | Cecille Mondia, DVM | Cocina, Talakag, Bukidnon |
| 15 | Cruz Farm | Cresante N. Cruz | Sitio Dreamland, Talon, Gingoog |
| 16 | Cruz Gardens | Ernesto "Boy" Cruz | Damilag, Bukidnon |
| 17 | DB farms/Madess Enterprises | Marlene C. Bautista | Imbatug, Baungon, Bukidnon |
| 18 | Dalirig farm | | Dalirig, Bukidnon |
| 19 | Elago's Farm | Pedro Elago | Sagay, Camiguin |
| 20 | Griñen Farm | Danilo Griñen/Tevisita | Kibington, Impasug-ong, Bukidnon |
| 21 | JAR Farms | Tonette S. Jaranillo | Lindaban, Manolo Fortich |
| 22 | L & M Enterprises/ UK Farm | Leo Woo, Sr. | Crossing Libona, Bukidnon |
| 23 | JC Intong's Farm | Cynthia Borra -Intong | Sitio Masayon, Awang, Opol, Mis. Or. |
| 24 | Lague's farm | Eufracia Lague | Camp Phillips, manolo Fortich, bukidnon |
| 25 | Lastimoso Farm | Jose Robert A. Lastimoso | Malaybalay, Bukidnon |
| 26 | Manupali Farm | Angel L. Javellana | Lurugan, valencia City |
| 27 | MQ Farm | Marlyn P. Quintero | Babaguiohan, Talakag, Bukidnon |
| 28 | MV Ello Agri-Ventures | Nikki R. Ello | Itum, Pobalcion, Mambajao, Camiguin |
| 29 | Noble Farm | Norberto L. Noble, Jr. | Nankaun, Guihean, Impasugong, Bukidnon |
| 30 | Obnial's Farm | Venilda A. Obnial | Dalirig, Bukidnon |
| 31 | Oriental Highland Farm | Danilo C. Plazos | Malaybalay, Bukidnon |
| 32 | Quiray Farm | Rey & Eugenio P. Quiray, Jr. | Lindaban, Manolo Fortich |
| 33 | Rafael C. Improgo III Farm | | Kalasungay, Malaybalay, Bukidnon |
| 34 | Raymonds Garden | Raymund C. Buhay | Batingtingan, Alae, Bukidnon |
| 35 | Rojas farm | Ferdinand/Sarah Rojas | Villa Ernesto, Gusa/Impalutao |
| 36 | RSY Farm | Rsnillo P. Yam-oc | Kibanggay, Lantapan, Bukidnon |
| 37 | SNDC Farm | Antonio Dagondon | Linagting, Baungon, Bukidnon |
| 38 | SP Mendoza Farm | Saturnino P. Mendoza | Salvacion, Libona, Bukidnon |
| 39 | Tape Farm | Apolinarion C. Tape | Kauswagan, Cagayan de Oro City |
| 40 | Ted's Farm | Col. Teodoro B. Ibot (ret.) | Manalang, Opol, Misamis Oriental |
| 41 | Tiger's Farm | paulino "Olo" Emano | Patrocenio, Claveria, Misamis Oriental |
| 42 | Tri-O Farms | Queritess Q. Queja | Occasion, Sumilao, Bukidnon |

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| 43 | Villanueva's farm | Luisito & venus Villanueva | Malaybalay City, Bukidnon |
| 44 | White crane Farm & Garden | Juan E. Salang, Jr. | Dalwangan, Malaybalay, Bukidnon |
| 45 | Kaanib Foundation | Imelda D. hernandez | Impasug-ong, Bukidnon |
| 46 | Kattilingbanay Foundation | Paulita Baclig, MD | Dalirig, Bukidnon |
| 47 | Malayabalay City Vegetable Producers Ass | Benjamin M. Maputi | Malaybalay City, Bukidnon |
| 48 | Mambajao Vegetable producers Ass. | Loreto salagantin | Mambajao, Camiguin |
| 49 | Catuhogan Farmers Ass. | Roberto Pagaspas | Mahinog, Camiguin province |
| 50 | Sail Halapitan Farmers Ass. | Nilda A. Liandra/ recto Doctor | Halapitan, san Fernando, Bukidnon |
| 51 | Sta. Cruz Farmers Ass. | Jonel Llavore | Sta. Cruz, Camaman-an, Cagayan de Oro City |
| 52 | First Crop Inc. | Antonio L. Chio | Brgy. Quisumbing, Impasugong, Bukidnon |
| 53 | Hillside Prop., Inc, | Federico Pimentel | Talakag, Bukidnon |
| 54 | Mola Farm | Armando Maigi | Batingtingan, Alae, Bukidnon |
| 55 | Ampianga -Kidampas Kaulayanan United Neighborhood MPC | Gred Montejo/Mayor Benedict Lagbas | c/o Sugbongcogon LGU, Mis, Or. |
| 56 | Barra Vegetable Growers Farmers Coop | Eddie Maape, Jr. | Barra Opol, Mis. Or. , c/o OPOL MAO |
| 57 | Bukidnon vegetable Producers Coop | Marcelino Remotigue | Manolo Fortich, Bukidnon |
| 58 | Don pedro MPC | | Don Pedro, Naawan, Misamis Oriental |

Egg

| Name of Farm | Owner/Representative | Farm Address | Contact Number |
|----------------|----------------------|--|--|
| Panorama | Abella, Joe. Jr. | Sandayong, Poblacion, Opol, Mis. Or. | 74-44-26/0918-332-0215 |
| J.C. Actub | Actub, Ronaldo | Molugan, El Salvador, Mis. Or. | 0916-348-0332 |
| Gango | Argayoso, Edward | Gango, Libona, Bukidnon | 71-14-02/72-95-77/0917-707-6985 |
| Big Bee | Bacadon, Semer | Don Pedro, Naawan, Mis. Or. | 0920-596-6800 |
| L & A | Baguio, Romeo | Balagatasa, Maigo, Lanao del Norte | (063)221-48-37/0919-404-8803 |
| The Beaches | Beach, Irene | Kibolawan, Kalugmanan, Manolo Fortich, Buk. | 855-7775/0917-707-0839 |
| Jocel's | Caballero, Neil | Bagontaas, Malaybalay City, Bukidnon | (088)828-34-67/828-34-68/0917-718-0387 |
| GEFSI | Capao, Eduardito | Villalin, Panaon, Misamis Occidental | 0920-905-2018 |
| NC | Castrodes, Arturo | Igpit & Tapurok, Opol, Mis. Or. | 72-98-31/0917-248-5502 |
| L & M | Claudio, Levie | Badelles St., Iligan City | (063)221-3193/0917-726-2128 |
| Tokyo | Co, Alexander | c/o Tokyo Ice Plant, Tiguma, Pagadian City | (062)214-1839/0917-896-1632 |
| Golden Sunrise | Cue, Oliver John | Alae, Manolo Fortich, Bukidnon | 72-92-13/0917-549-0253 |
| Maple Leaf | Cuyuca, Melecio | Patag, Naawan, Misamis Oriental | 0919-414-9622 |
| M & M | Dano, Marcelino | Mapulog, Naawan, Misamis Oriental | (063)221-55-77/0920-926-8767 |
| Dongallo's | Dongallo, Emmanuel | San Isidro, Balingasag, Mis. Or. | 72-41-92/857-38-52/0916-227-1866 |
| Marcelo's | Espancho, Dave | Sili-sili, Pagatpat, Cagayan de Oro City | 73-30-86/857-37-44/0918-927-3534 |
| D.Y.U. Agri | Forteza, Eduardo | 106 Agusan Valley Vet. Clinic Pili Drive, Butuan | (085)342-1493/342-7847/0917-528-9688 |
| FJ Wagon | Doblas, Tiburcio | Z-5, Igpit, Opol, Misamis Oriental | 0919-505-8292 |
| Arglenn | Inovenno, Cecilio | Sili-sili, Pagatpat, Cagayan de Oro City | 72-53-61/858-12-13/0917-716-1249 |

| | | | |
|-----------------|------------------------|---|-----------------------------------|
| Jabiguero | Jabiguero, Chonita | #280 Iponan, Cagayan de Oro City | 73-51-89/0919-559-7635 |
| SR | Labanto, Shiehawy | P 16, Colonia, Valencia City | 0916-494-4026 |
| Lorenzo's | Lopez, Ruben | Baikington, Cagayan de Oro City | 72-37-21/857-52-50/0920-443-7756 |
| Mabayo | Mabayo, Maria Victoria | Macarat, Abuno, Iligan City | (063)221-4777/223-3463 |
| Maria Theresa's | Magallanes, Benjamin | Naawan, Misamis Oriental | (063)221-46-92/0917-549-3379 |
| Onda's | Onda, Romy | Dalwangan, Malaybalay City | 0919-791-0462 |
| Alrose | Pascua, Erwin | Danao, Patag, Opol, Misamis Oriental | 858-38-59/858-45-80/0917-621-8800 |
| Pelonio's | Pelonio, Turadio Jr. | Midkiwan, Bayanga, Cagayan de Oro City | 72-96-44/73-59-50/0917-707-4969 |
| E. L. Penaco | Penaco, Elibon | Labo, Ozamiz City | 0920-366-0606 |
| GR | Resoso, Bernardo | Sil-ipon, Libona, Bukidnon | 0919-412-6267 |
| Ade-Rico | Rico, Roman, Jr. | Tulangan, Pagadian City | (062)214-1358/215-1833 |
| San Juan | San Juan, Ernesto | Tapuroc, Malanang, Opol, Misamis Oriental | 72-27-42/0927-521-4669 |
| E. Siao | Siao, Eric | Abuno, Iligan City | (063)221-41-61/0916-409-7974 |
| Verde | | Zone 1, Igpit, Opol, Misamis Oriental | 73-51-93/0916-716-9829 |
| Ertal | Tabanoc, Edgardo | Talacogon, Lugait, Misamis Oriental | (063)225-16-52/0919-251-9409 |
| Kim's | Kim Vernell | San Pedro, Initao, Misamis Oriental | 0917-531-8331 |
| Roche | | Magsaysay, Malaybalay City, Bukidnon | 856-20-80/0927-722-6477 |
| Maiden | | Biga, Lugait, Misamis Oriental | 0921-224-4697 |
| | Uy, Jojo | Opol, Misamis Oriental | 7282-52/0917-706-1708 |
| R. Uy | Uy, Remedios | Tipanoy, Iligan City | (063)221-81-31 |
| RD | Verdad, Danilo | Tiniwisan, Butuan City | (085)342-5127/0917-703-3995 |

Cattle

| Name of Farm | Owner/Representative | Farm Address |
|--------------------------------|-------------------------------|---------------------------------------|
| Antonio Soriano Farm | Soriano, Antonio | Baungon, Bukidnon |
| Agustino Bajuyo Farm | Bajuyo, Agustino | Danatag, Baungon, Bukidnon |
| Miguelito Dominguez Farm | Dominguez, Miguelito | Danatag, Baungon, Bukidnon |
| Amado Ravidas Farm | Ravidas, Amado | Imbatug, Baungon, Bukidnon |
| Noel Ravidas Farm | Ravidas, Noel | Imbatug, Baungon, Bukidnon |
| RC NARC Farm | Aberrastore, Ramon | Liboran, Baungon, Bukidnon |
| Manuel Sususco Farm | Sususco, Manuel | Bulak, Cabanglasan, Bukidnon |
| Rogelio Castellanes Farm | Castellanes, Rogelio | Mandaing, Cabanglasan, Bukidnon |
| Tandecor Farm | Tan, William | Impasug-ong, Bukidnon |
| Benjohn Fetalvero Ranch | Fetalvero, Benjohn | Capitan Bayong, Impasug-ong, Bukidnon |
| Impasug-ong LGU Communal Ranch | Okinlay, Mayor Mario | Capitan Bayong, Impasug-ong, Bukidnon |
| Okinlay Ranch | Okinlay, Andres D./Okinlay M. | Dumalaguing, Impasug-ong, Bukidnon |
| De Leon Ranch | De Leon, Romulo | La Fortuna, Impasug-ong, Bukidnon |
| Highland Ranch/Montalvan Farm | Montalvan, Juanito J. | La Fortuna, Impasug-ong, Bukidnon |
| Bangis Ranch | Bangis, Eriberto | Poblacion, Impasug-ong, Bukidnon |
| | Baula, George | Sayawan, Impasug-ong, Bukidnon |
| Rita C. vda. De Judilla Ranch | Judilla, Mateo | Ninoy Aquino, Kalilangan, Bukidnon |
| MM Ranch | Montesclaros, Marianito R. | Ninoy Aquino, Kalilangan, Bukidnon |
| MM Ranch | Montesclaros, Marianito R. | Alanib, Lantapan, Bukidnon |
| Borja's Farm | Borja, Uriel | Cawayan, Lantapan, Bukidnon |
| Inedo Mercado Ranch | Mercado, Inedo | Capitan, Libona, Bukidnon |
| Fred Avella Farm | Avella, Fred | Gango, Libona, Bukidnon |

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|---------------------------------------|-----------------------------------|---|
| E.P. Farms/ Ernesto Pelaez, Inc. | Pelaez, Ernesto | Gango, Libona, Bukidnon |
| Eddie Abas Farm | Abas, Eddie | Kili-og, Libona, Bukidnon |
| Rodulfo Abas Farm | Abas, Rodulfo | Kili-og, Libona, Bukidnon |
| Manuel Ramonal Ranch | Ramonal, Manuel | Kili-og, Libona, Bukidnon |
| Bob Ramonal Ranch | Ramonal, Roberto | Kili-og, Libona, Bukidnon |
| Apolonio, Manuel Roa Farm/Dream | Roa, Apolonio Manuel/Anna R | Kili-og, Libona, Bukidnon |
| Heirs of Cristobal Barros Ranch | Barros, Ricky | Kinawe, Libona, Bukidnon |
| Gregoria Labra Farm | Labra, Gregorio | Kinawe, Libona, Bukidnon |
| E.P. Farms/ Ernesto Pelaez, Inc. | Pelaez, Eduardo Bong | Kinawe, Libona, Bukidnon |
| E.P. Farms/ Ernesto Pelaez, Inc. | Pelaez, Emmanuel | Kinawe, Libona, Bukidnon |
| Verendia Farm | Verendia, Dante M. | Kinawe, Libona, Bukidnon |
| Carmelino Hanlay Farm | Hanlay, Vivian | Palabucan, Libona, Bukidnon |
| Umalag Farms (under RAMCAR, I) | Ramcar, Inc./Agustin, Manu | Palabucan, Libona, Bukidnon |
| Juliana Gamba Ranch | Gamba, Juliana | Poblacion, Libona, Bukidnon |
| National Development Corp. | NDC | Poblacion, Libona, Bukidnon |
| Virgilio Neri-Industrial Corp/Neri Li | Neri, Virgilio V./Neri, Ike Jame | Poblacion, Libona, Bukidnon |
| Ortegas Farm | Ortegas, Ruel | Poblacion, Libona, Bukidnon |
| Fabela Ranch | Fabela, Leoncio | Pongol, Libona, Bukidnon |
| Leo Alquetela Ranch | Alquetela, Melicito/Alquetela, L. | Sta. Fe, Libona, Bukidnon |
| River Valley Ranch | Calingasan, Ernesto P. | Sta. Fe, Libona, Bukidnon |
| Paz vda. Del Rosario Farm | Rosario, Oscar del | Sta. Fe, Libona, Bukidnon |
| Tugot Ranch | Tugot, Celestino | Sta. Fe, Libona, Bukidnon |
| Balbon Ranch | Balbon, Celso (Boy) | Can-ayan, Malaybalay City, Bukidnon |
| Rancho Tres Hermanos | Cortes, Joel T. | Can-ayan, Malaybalay City, Bukidnon |
| | Dacion, Flora | Can-ayan, Malaybalay City, Bukidnon |
| | Estrada, Vivencio (Ben) | Can-ayan, Malaybalay City, Bukidnon |
| | Hernandez, Romeo | Can-ayan, Malaybalay City, Bukidnon |
| | Meleston, Cresencio | Can-ayan, Malaybalay City, Bukidnon |
| | Moreno, Marcos | Can-ayan, Malaybalay City, Bukidnon |
| | Ong, Julian | Can-ayan, Malaybalay City, Bukidnon |
| | Rubio | Can-ayan, Malaybalay City, Bukidnon |
| | Sale, Silvestre | Can-ayan, Malaybalay City, Bukidnon |
| | Valdehueva, Manuel | Can-ayan, Malaybalay City, Bukidnon |
| | Sologan, Cosme | Capitan Anghel, Malaybalay City, Bukidnon |
| Malaybalay Stock Farm | DA/RFU- 10 | Dalwangan, Malaybalay City, Bukidnon |
| Mandac Farm | Mandac, Manuel D. | Dalwangan, Malaybalay City, Bukidnon |
| National Artificial Breeding Center | NABC/BAI-Government | Dalwangan, Malaybalay City, Bukidnon |
| RJR Farm | Sebastian, Roberto | Dalwangan, Malaybalay City, Bukidnon |
| | Hernandez, Rolly | Kalasungay, Malaybalay City, Bukidnon |
| Pine Creek Ranch | Carrascoso, Dino | Patpat, Malaybalay City, Bukidnon |
| | Seno, Julio | Kalingking, Malitbog, Bukidnon |
| | Yap, Dario A. | Patpat, Malitbog, Bukidnon |
| | Vellegas, Rolando | San Luis, Malitbog, Bukidnon |
| Green Acres Agri. Co. | Fortich | Alae, Manolo Fortich, Bukidnon |
| | Albarece, Salvador C. | Dalirig, Manolo Fortich, Bukidnon |
| | Heirs of Manuel Fortich, Jr. | Dalirig, Manolo Fortich, Bukidnon |
| | Quiray, Eugenio | Kalugmanan, Manolo Fortich, Bukidnon |
| | Pausanos, Hilario | Lingion, Manolo Fortich, Bukidnon |

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|-----------------------------------|-------------------------------|---|
| | Angeles, Alfredo | Maluko, Manolo Fortich, Bukidnon |
| | Angeles, Eliseo | Maluko, Manolo Fortich, Bukidnon |
| Magic Farm | Zarraga, Dante Jr. | Mambatangan, Manolo Fortich, Bukidnon |
| CD Corp. Farm | CD Corp./ Mr.Leonil Violan | Mantibugao, Manolo Fortich, Bukidnon |
| Jugador Ranch | Jugador | San Miguel,Manolo Fortich, Bukidnon |
| Del Monte Philippines,Inc. | DMPI c/o Albarece, Dr. Salvad | San Miguel & Diclum, Manolo Fortich, Bukidnon |
| Sto. Nino Cattle Breeders | c/o Villanoy,Joseph L. | Sto. Nino, Manolo Fortich, Bukidnon |
| Villalon Farm | Villalon, Ernesto Y. | Dagumbaan, Maramag, Bukidnon |
| Three C Farms | Cabinta, Catalino | Kuya, Maramag, Bukidnon |
| Circle T Agri-Dev't. Corp/. Ranch | Heirs of Temoteo O. Ocaya | Kuya, Maramag, Bukidnon |
| CMU Cattle Ranch | CMU- Government | Musuan, Maramag, Bukidnon |
| CMU Cattle Ranch | CMU- Government | Musuan, Maramag, Bukidnon |
| Zubiri Ranch/Valle Escundida | Zubiri, Jose Ma. R. Jr. | San Miguel, Maramag, Bukidnon |
| Manzano Farm | Manzano, Mayor Felix S. | San Miguel & Base Camp, Maramag, Bukidnon |
| Abelardo/Levi Edma Farm | Baclig,Abelardo/ Edma, Levi | San Roque, Panalsalan, Maramag,Bukidnon |
| | Flor, Remegio | Butong, Quezon, Bukidnon |
| Cesar M.Fortich,Inc. | Fortich, Miguel | Butong, Quezon, Bukidnon |
| Ozamis Agri. Dev't.,Inc./OADI Ra | c/o Lobregat,Pablo/Nieto | San Jose, Quezon, Bukidnon |
| Circle K Ranch | Fortich, Michael Anthony H. | San Jose, Quezon, Bukidnon |
| Rancho Montalvan | Montalvan, Atty. Roberto | San Jose, Quezon, Bukidnon |
| Umalag Farms (under RAMCAR, Inc.) | RAMCAR, Inc./Manuel U.Agu | Poblacion, Sumilao, Bukidnon |
| Munoz Ranch | Munoz, Betty Sotelo | Baylanan, Talakag, Bukidnon |
| Aberrastore Farm | Aberrastore, Ramon | Cosina, Talakag, Bukidnon |
| Namahan Ranch | Seno, Pelicornio, Jr. | Cosina, Talakag, Bukidnon |
| Bernales Ranch | Bernales, Patricio (Pepe) | Lugsayan, Talakag, Bukidnon |
| Bernales Ranch | Bernales, Patricio (Pepe) | Miarayon, Talakag, Bukidnon |
| Severino Abriam Farm | Abriam, Severino | Poblacio (Brgy 5), Talakag, Bukidnon |
| Russel Artango Farm | Artango, Russel | Poblacion (Brgy. 5), Talakag,Bukidnon |
| Bernales Ranch | Bernales, Patricio (Pepe) | Sto.Nino, Talakag, Bukidnon |
| Laguyan Farm | Laguyan, Engr. Engracio | Sto. Nino, Talakag, Bukidnon |
| Puao Farm | Puao, Merna | Tagbak, Talakag, Bukidnon |
| | Neri, Edgar | Ticalaan, Talakag, Bukidnon |
| Vallescas Farm | Vallescas, Dioneocio | Banlag, Valencia City |
| Alkuino Farm | Alkuino,Lucilo | Barobo, Valencia City |
| Calva Farm | Calva,Luz | Barobo, Valencia City |
| Tamaylang Agri'l. Dev't. | Lavina, Juanito | Barobo, Valencia City |
| Alcayde Ranch | Alcayde, Jun | Dagatkidavao, Valencia City |
| MVC Ranch | Mountain View College | Lilingayon, Valencia City |
| Materpilca Ranch | Fortich,Carlos O. | Lorugan, Valencia City |
| P. Naringgahon | Naringgahon, Patricia | Lorugan, Valencia City |
| Ancheta Farm | Ancheta, Mayor Berthobal | Tugaya, Valencia City |

Hogs

| Name of Farm | Owner/Representative | Farm Address | Contact Number |
|--------------|----------------------|--------------|----------------|
|--------------|----------------------|--------------|----------------|

| | | | |
|----------------------------------|------------------------|--|---------------------------|
| Veñegas Farm | Fortunato O. Veñegas | San Roque, Sumilao, Bukidnon | 09189078386/088-8554643 |
| Onda's Farm | Ricardo T. Onda | Dalwangan, Malaybalay City | 09194024060 |
| FJC Farm, Inc. | Joseph T. Ang | Nicdao, Baungon, Bukidnon | 09189073970/0888569308 |
| | Joerl C. Gomez | | 09177079470/08822723670 |
| Libona Breeder Farm, Inc. | Anna L. Roa | Kiliog, Libona, Bukidnon | 09177180888/0888584930 |
| Nkko Farm | Medardo Estaniel | Malapgap, Sinanlanan, Malaybalay City | 09104175947/0882212289 |
| PGJ Farm | Patricio G. Juan | Purok 5, Inawaan, Batangan, Valencia City | 09198733103/0882222209 |
| D & C Concepcion Farm | Henry Concepcion | Opol, Misamis Oriental | 09189430199/08822754546 |
| Phil. Pork Corp. | Heintjie Limketkai | Libona, Bukidnon | 09177060980/0888575988 |
| Chona's Farm | Robert Uy | Opol, Misamis Oriental | 09176264843/088-857-4913 |
| Gere Farm | Gregorio Ll. Gue | Quezon, Bukidnon | 09189118454/0882225167 |
| Merabe farm | Eufemio N. Merabe | Malaybalay City, Bukidnon | 088-221-4015 |
| | Romeo L. Tapungot | | 09275330158 or 458 |
| Albarece Farm | Benjamin C. Albarece | San Miguel, Manolo Fortich, Bukidnon | 0917-7182582 |
| Babela Farm | Michael B. Babela, Jr. | Kawayan, Lumbo, Valencia City | 09167554911/0882222960 |
| Alcayde Farm | Marilou Alcayde | P-Maligaya, Dagat-Kidavao, Valencia City | 0919-8397648/088-828-4195 |
| Bunayog Farm | Eutropia Bunayog | Kadingilan, Bukidnon | 0918-4475069 |
| Cabotaje Farm | Joy Cabotaje | Purok 64, Maramag, Bukidnon | 0917-9036287 |
| Ricablanca Farm | Angelita S. Ricablanca | Purok 1, Pinatilan, Valencia City | 0920-9102099/088-828-4317 |
| Pacific West Farm | Rufo A. Paitan | Tagbalula, Lunocan, Manolo Fortich, Bukidnon | 0919-2250105 |
| Leidebril Livestock Farm | Elma Go | Bagontaas, Valencia City | 0917-5495130/088-828-1343 |
| Shamus Farm | Stewart Tan | Talakag, Bukidnon | 0917-5490833/0888568977 |
| MRM Farm | Tyrone H. Yuson | Sinanglayan, Valencia City | 0917-9543808/088-222-2341 |
| Nano's Farm | Roberto T. Nano | Purok 7, Simaya, Malaybalay City | 0917-7181928 |
| Rabago Farm | Warfe Rabago | Sab Fernando, Bukidnon | 0920-9254635/0917-4900622 |
| PAMAKID Farm | Greg Pamakid | Malaybalay City, Bukidnon | 0916-7021730 |
| Estrella Agri Farm | Ernest Oliver Uy | Gimampang, Initao, Misamis Oriental | 0917-7162608/063-221-5458 |
| Asian Livestock Corp. | Fritz Ang | Claveria, Misamis Oriental | 0917-7060595/08822726249 |
| Elsevier Farm | Eudy G. Amoncio | Medina Misamis Oriental | 0916-2019071/088-331-2050 |
| Mega Integ. Agro-Livestock Corp. | Erwin Bryan See | Sil-ipon, Libona, Bukidnon | 0917-7062712/088-8561708 |
| Genabe Farm | Mervin Genabe | Dancagan, Bukidnon | 0917-7061243/08822-725793 |
| River Side Farm | Michael Hoy | Bangcud, Malaybalay City | 0916-6199935/088-858-3241 |
| Garces Farm | Virginia P. Garces | Pangantucan, Bukidnon | 0917-7071970/088-350-4217 |
| Felan Farm | Antonio Baculio | Manticao, Misamis Oriental | 0920-9267460 |
| Tuquib Farm | Roberto Tuquib | Maramag, Bukidnon | 0918-4531551 |
| Woodland Farm | Dennis Metiam | Dalwangan, Malaybalay City | 0918-9157583 |
| Israel Farm | Raul Israel | Maramag, Bukidnon | 0918-3405756 |
| Antillon Farm | Agustin P. Antillon II | Damilag, Manolo Fortich, | 0918-9171824/088- |

AGRIBUSINESS INVESTMENT OPPORTUNITIES

An Investment Opportunity for Poultry

The broiler-producing industry has been one of the most flourishing in the livestock and poultry sector for the past decades. It will continue to be the growth leader in the sector even in the world market.

Description

- Mindanao has remained free from the Bird Flu virus which has depleted poultry populations in other Asian countries.
- It has also been declared Foot-and-Mouth Disease free by the OIE.
- These factors has made broiler raising in the region a thriving and profitable enterprise.

Production

- In 2004, Mindanao contributed 19% of the total chicken production in the country
- Broiler production in the region (MT, liveweight) increased by an average of 7% annually from 156,767 MT in 1998 to 231,512 MT in 2004 (BAS)
- The number of heads slaughtered in the region increased by 12% on the average from 26,316,587 in 1998 to 49,775,218 in 2004.
- About 85% of the broiler production can be found in the regions of Northern Mindanao and Southern Mindanao where operations of poultry integrators are heavily concentrated.
- The rest are divided among Central Mindanao (8%), Western Mindanao (4.75%), CARAGA Region (2%), and ARMM (0.2%)
- Three big industry players predominate: San Miguel Purefoods, Inc., Swift Foods, Inc., and Tson/Bounty Agri Ventures, Inc.
- These companies maintain their own contract breeders, contract growers, hatcheries, feedmills, and dressing plants to support the operation.

Cost and Return

- It costs P51.45 to produce a kilo of live broiler chicken including the cost of stocks, building, land labor and other farm inputs
- Live broiler is harvested and transported to the integrator's dressing plant where P15.66 is spent to produce a kilo of dressed chicken
- These are then collected and distributed to the various wholesale outlets where another P3.12 per kilo is added as distribution cost.

Demand and Supply Projections

- The Philippine broiler industry is projected expand by nearly 4% this year, fueled mainly by the growing domestic and regional demand for domestic chicken meat.
- The industry is forecast to produce over 680,000 MT of dressed chicken in 2005
- The future looks promising for the Southern Philippines Broiler Industry with the opening of the Asian export market

- It is envisioned that the country will not only be supplying Japan but other Asian countries in the next few years as well as the Middle Eastern market with the production of Halal Chicken.
- Preliminary talks have already been conducted towards this end with the holding of the Halal Consultative Conference last March 17, 2005.

Local Market

- Aside from supplying the local markets in Mindanao, Southern Philippines supplies the markets of Bacolod, Cebu, Bohol, Metro Manila, Bicol, Panay, Palawan.
- In Region 10 alone, a total of 26,769.15 MT was shipped out to various Philippine islands in 2004
- Philippine poultry market is mainly composed of the food service and the household sector, each with distinct product preferences.
- Fastfood chains – require volume delivery, mainly marinated parts and are very particular about product specifications, value quality and reliability
- Hotels, restaurants and other institutional buyers (HRI) – require whole chickens and have more variable pricing against the relatively stable prices of fastfood chains.
- Wet markets – still provide the majority of the daily requirements of household purchases, offering both whole chicken and parts, although households are increasingly buying from supermarkets and hypermarkets.
- Supermarkets and hypermarkets- it is estimated that only about 10% of fresh and frozen poultry are being sold at this level.

Foreign Market/Trade

- The Philippine DA has been limiting poultry imports through the MAV scheme where only quota-holders are allowed to import frozen and chilled poultry meat into the country
- In 2004, the Philippines' tariff-rater-quota (TRQ) for chilled and/or frozen poultry meat (HTS 0207) is established at 22,968 MT. In 2005, the TRQ will drop to 10,374 MT as the Philippines' WTO commitment is to implement the 2005 TRQ on only a half-year basis
- The import of chicken cuts in-quota in 2004 was 19.67 mt valued at \$10.23 M. Whole chicken import was only \$0.28 M on 0.48mt.
- In 2004 chicken export was 27.18 mt valued at \$56,407
- As of May 2005 a total of 519.7 MT has been exported by SWIFT Foods, Inc. and San Miguel Purefoods, Inc to Japan.
- Poultry meat for the Japan market is especially prepared using "Teriyaki" cut with each piece skewered through a bamboo stick and shipped frozen in refrigerated container vans.

Marketing Practices

- At present, five integrators are supplying 80% of the Philippine demand for poultry and poultry products: San Miguel Foods, Inc., Swift Foods, Inc., Vitarich Corporation, Tyson Agro-Ventures and Universal Robina Corporation.
- There are four major market segments being served by the integrators: 1) the live sales segment, comprised of the accredited viajeros (live birds salesmen) who haul the broilers from the company's farms for delivery to their customers in the wet

markets, either live or dressed 2) the supermarkets, 3) the wet markets and 4) HRI accounts

- The small and medium-scale broiler producers sell directly to the live chicken traders or viajeros who buy the broiler from the farm and pass it on either live or dressed to retailers in the wet market, restaurants and carinderias.

Price Trend

- P95-115/kg of dressed chicken in June 2005
- Generally lower from February to April at P70-100/kg in 2004 and P 80-100/kg in 2005
- Export dressed chicken to Japan was at \$3.44/kg in 2004 up from only \$1.93/kg in 2003

Credit Assistance

- Land Bank of the Philippines
- QUEDANCOR

Investment Opportunities

- Production of feed components (mainly corn and soybeans)
- The Philippines remains one of the few countries in Aisa that has not been affected by Avian Influenza (AI). Due to the AI-free status of the Philippines, many of the large food manufacturing companies are gearing up to export processed poultry products, particularly to Japan, Korea and the Middle East.

Institutional Support

- The main regulatory agencies monitoring the safety aspects of imported animals, meat and meat products are the Bureau of Animal Industry (BAI) and the National Meat Inspection Commission (NMIC) under the Philippine Department of Agriculture
- BAI has jurisdiction over the import of both live animals and meat, the NMIC plays a key role in the enforcement of the regulations over fresh, chilled and frozen meat and poultry imports into the Philippines
- Republic Act 9296: On May 12, 2004, RA 9296 entitled: " An act Strengthening the Meat Inspection System in the Country" was signed into law.

An Investment Opportunity for Tilapia

Tilapia along with milkfish are the most commonly available fish in the market in Luzon. The country is second only to China in terms of volume of tilapia production. Yet we have not yet take advantage of its export potential.

For tilapia the fresh market production culture is four months to get utmost 400 grams/piece. However, for fillet the requirement is about 700 grams/piece that can be obtained after a 7-month culture period. Because of competition from the local fresh market in Luzon tilapia fillet production would be most feasible in Mindanao where marine fishes are more preferred over tilapia.

Description

- Local preference in tilapia is still for the fresh form
- There is a big export market for processed tilapia also known as St. Peter's Fish.

- Tilapia fillets have a very mild taste and a nice medium-firm texture
- It is rich in protein, calcium, phosphate, iron, vitamin etc.

Production (fresh tilapia)

- National volume of production – 145,868.4 MT in 2004
- Mindanao contributed only 13,029.2 MT or 8.9%
- For Mindanao volume of production by region in 2004 – Region IX (1243.7 MT), Region X (632.9 MT), Region XI (664.7 MT), Region XII (9818.1 MT), Region XIII (274.7 MT), ARMM (395.1 MT)

Existing Resources

Region 10

- 958.21 has existing fishpond area (fresh/brackish)
- 368.2 has FLA
- 12,116.51 has potential and communal bodies of water (include part of Lake Lanao)
- 7 model farms
- 15 satellite hatcheries (7.5 has.)

CARAGA REGION

- 7,424 has., Lake Mainit
- 2,906 has FLA
- 2,261 fishpond area (non-FLA)

ARMM

- 285.34 has existing fishpond area
- 7.5 has hatcheries
- Lake Buluan – 6,000 has
- 58,814 has communal bodies of water (includes portion of Lake Lanao)

Processing

- Tilapia is processed and exported in the form of:
 - (1) frozen whole fish
 - (2) fish fillets
 - (3) sushi sashimi
 - (4) sashimi for nigiri sushi and
 - (5) flour coated nuggets
- Government-assisted firm, the EGM Agri- Food Industries (EGMFI) in Buluan, Maguindanao produces ready-to-eat canned tilapia escabeche, spicy tilapia, sweet and sour tilapia, and tilapia in oil.
- Fisher Farms Inc. in Pulilan, Bulacan produces garlic longaniza, siomai, Italian crumb bread fillet, sweet longaniza, Japanese crumb fillet, cheese crumb fillet, fishball, pizza crumb fillet, spring roll, and Mexican crumb fillet – all from tilapia meat. These are sold at Rsutan's and Isetann supermarkets.

Cost and Return

- \$0.80/kg cost of production for Tilapia fillet in the Philippines and Indonesia
- Only China is lower at \$0.70/kg

- Cost of production in Thailand, Brazil and Ecuador is \$0.85/kg
- Taiwan produces tilapia fillet at \$1.05/kg
- Wholesale price of tilapia fillet in USA is \$6-8/kg

Demand and Supply Projections

- Increasing demand for tilapia fillet in USA, Europe, Japan and Australia

Foreign Market/Trade

Major Exporters

- Costa Rica – Fresh Fillet, skins
- Ecuador – Frozen Fillet, Fresh Fillet, skins
- Honduras – Fresh Fillet, skins
- Brazil – Frozen Fillet, leather
- China – Frozen Whole, Frozen Fillet
- Taiwan – Frozen Whole, Frozen Fillet
- Indonesia – Frozen Fillet
- Thailand – Frozen Fillet
- Jamaica

Major Markets

1. United States
 - China and Taiwan Republic of China corners the frozen tilapia market (98%) and 76% of the IQF fillet market.
 - Ecuador's market share for fresh tilapia is 54% of the import market
 - The average price this year indicates around \$5.73/kg for fresh fillet
2. China
3. Japan
4. European Countries

Philippine Export

- US \$9,240 worth (or 2,116 kg) of frozen tilapia fillet is exported in 2001
- The country exports US\$ 22,894 worth (18,030 kg.) of frozen whole tilapia to the US in 2003
- Mr. Rene Tayag is pioneering in the production of capacity of his processing plants from 50 MT to 250 MT in 2005

Recommendations to enter US Tilapia Market (from Kevin Fitzsimmons Vice President, American Tilapia Association)

- Joint venture with existing marketing entity
- If Solo, try to co-market with other products
- Avoid traditional seafood importing and brokers (they will not spend any money to develop markets)
- Develop value added products (fillets, breaded forms, sashimi, etc)
- Find marketing partner (seafood chain, large grocery chain, wholesale stores, food service supplier)
- Be prepared to donate product or keep prices low to establish markets
- Be prepared to spend money for advertising and market development

Price Trend

- Prevailing price for tilapia fillet in the US ranges from US\$ 5-7 on the processor side and US\$ 6-8 for wholesale
- Fresh tilapia in Metro Manila markets: wholesale price June 2005 is P55-65/kg while retail price is P60-80/kg
- In June 2004 wholesale price ranged from P48-70/kg while retail prices ranged from P60-80/kg

Credit Assistance

- QUEDANCOR – for aquaculture retail scheme maximum loanable amount is 80% of project cost but not to exceed P50,000/borrower. Interest of 12%/annum + 2% service charge for SRT
- Land Bank of the Philippines

Investment Opportunities

- Processing plants – In Cagayan de Oro with a 60 mt/mo cap or 360 ha production cluster at P25M/plant
- Other processing plants can be established in Regions 9, 12, 13 and ARMM
- Feed mixing plants – regions 9, 10 and 12
- Tilapia fishpond @ P0.50M/ha
- Fish cages and pens @ P0.2M/ha

Institutional Support

Bureau of Fisheries and Aquatic Resources BFAR – tilapia fillet is the priority project in Region 10. 1) targets are to establish a Tilapia Fillet Processing Plant in Cagayan de Oro City, Misamis Oriental, 2) to develop 360 hectares of fishports for Tilapia Fillet production within 2 years 3)to export \$4.8M worth of Tilapia Fillet per annum @ \$4/kilo.

Proposed Management Scheme for the Processing Plant

- Outright rental
- Rent and Own
- Privately Managed

An Investment Opportunity for Production and Export of Asparagus

Project Background and Description

Asparagus is a crop that can be grown all year long in Mindanao, and remains commercially productive for 10-15 years. Young tender shoots are eaten singly, or mixed with other vegetables. The spears can also be processed or canned.

Mindanao has been producing and exporting fresh asparagus to Japan for the last 15 years. Total Asparagus export shipments average about US\$ 10 M yearly. While production technology is already tested under prevailing Mindanao agro-climatic conditions, the existing supply base cannot cope with the strong demand in the Japanese market and other Asian countries. In view of this, existing producer-exporters of asparagus are exploring opportunities to expand production to take advantage of these emerging opportunities.

The project involves the establishment of an additional 500 hectares of asparagus production area for export to Japan and other Asian markets. The production expansion will also include other support facilities such as packing house and consolidation center and storage areas.

It is recommended that new investments will be under joint venture or contract growing scheme with existing agribusiness companies that already have sufficient capability and capacity to produce export quality asparagus and to handle the postharvest and market-related operations.

Estimated Project Cost: US\$ 3.5 M to include the development of the 500 hectare production area including needed support facilities.

Implemented Arrangement

This project can be implemented either through joint venture or contract growership arrangement with existing Mindanao agribusiness companies who are already producing and exporting asparagus.

Possible Proponents

The possible local proponents are the Bukidnon Highland Produce, Inc. and the Marsman Drysdale Group, two companies that are already producing and exporting fresh asparagus to Japan.

OTHER AGRIBUSINESS INVESTMENT OPPORTUNITY

Project Title : One-Hectare Oil Palm Production

Preferred Location : North Cotabato, Sultan Kudarat, Bukidnon, Agusan del Sur
Butuan City, South Cotabato, Palawan, Bohol

Project Cost : PhP 60,000

Product : Oil

Market : Local Processors

Cost and Returns: on the 6th year

Annual Cost of Production : PhP 20,000

Annual Gross Returns : PhP 36,000

Net Returns : PhP 16,000

ROI : 27%

Payback Period : 6.5 years

Gestation Period : 4 years

Economic Life : 25 years

USES:

P Food (90%) - cooking oil, industrial frying, margarine, shortening, and ice-cream

- P **Non-food (10%)** - fuel (diesel substitute), raw material for soaps and detergents, for oleo-chemicals, fatty acids, fatty nitrogen compounds and glycerol for the manufacture of cosmetics, pharmaceuticals, household and industrial products such as textiles, lubricants, candle making, animal feeds, insulating panels and paper pulp, palm wine, and the wood for furniture

Government Support: Training, market linkage, local government incentives (seedling subsidy, tax holidays, etc.), provision of credit (Rural Banks and Development Banks), technical information, site identification, facilitation of business licenses, and other related matters.

Proposed Investment Arrangements/Modalities:

- E Sole Proprietorship
- E Partnership
- E Cooperative Plantation
- E Joint Ventures

Project Title : One-Hectare Cashew Production

Preferred Location : Palawan, Occidental Mindoro, Central Luzon, Western Visayas, Ilocos Region, Northern Mindanao, CALABARZON and Davao

Project Cost : PhP 278,250

Product : Cashew fruit, kernel / nuts and apple (flesh or pulp)

Market : Local processors/ exports

Cost and Returns : on the 8th year

| | |
|----------------------------------|---------------|
| Annual Cost of Production | : PhP 73,233 |
| Annual Gross Returns | : PhP 117,300 |
| Annual Net Returns | : PhP 44,067 |
| ROI | : 60% |
| Payback Period | : 6 years |

Gestation Period : 4 years

Economic Life : 35 years

USES:

- P Tree is good specie for reforestation;
- P Nuts are processed into split/whole kernel, roasted or dried;
- P Apples are eaten fresh or made into refreshing drink, processed into candy, syrup, vinegar, jam and pickles.

Government Support: Technical assistance (productivity, research and development, processing), market linkage and promotion, LGU incentives and support for extension services, credit for micro, small and medium enterprises.

Proposed Investment Arrangements/Modalities:

- E Sole Proprietorship
- E Partnership
- E Cooperative Plantation
- E Joint Ventures

Project Title : One-Hectare Peanut (*Arachis hypogea*) Production

Preferred Location : Pangasinan, La Union, Cagayan, Isabela and Lanao del Norte

Project Cost : PhP 21,033

Product : Dry shelled peanuts

Market : Local processors

Cost and Returns:

- Annual Cost of Production** : PhP 21,033
- Annual Gross Returns** : PhP 24,502
- Annual Net Returns** : PhP 3,469
- ROI** : 16%

Gestation Period : 3 months (120 days)

USES:

- √ Ingredient in recipes/ cuisines
- √ Roasted, boiled, fried, caramelized, sugar coated, etc.
- √ Processed into: peanut butter, candies, bakery products, confectioneries, etc.
- √ Refined peanut oil (cooking, salad dressing, margarine, shortening and base in cosmetic preparations)
- √ Crude peanut oil (soap, detergents)
- √ Feeds (leaves and stalks) for cattle and other ruminants

Government Support: Training, market linkage, local government incentives (seedling subsidy, tax holidays, etc.), provision of credit (Rural Banks and Development Banks), technical information, site identification, facilitation of business licenses, and other related matters.

Proposed Investment Arrangements/Modalities:

- E Sole Proprietorship
- E Partnership
- E Cooperative Plantation

E Joint Ventures

An Investment Opportunity for Malunggay

Malunggay, known scientifically as Moringa Oleifera Lamk, maybe often underestimated yet it is one of the world's most useful and nutritional plant. Although it is easily cultivated and is available year-round, production is minimal because it is essentially a small grower industry commonly seen in backyard gardens for home consumption only. Latest medical researches have further proven the importance of this plant. Prospective investors have increased the demand for supply of malunggay for various uses, such as:

- 1) Food. Malunggay is a miracle vegetable because it is not only food but also an effective flocculants, antibiotics, oils, and coagulants for turbid waters . The edible parts of Malunggay (leaves, pods, and flowers) are served with meals or converted to a powder, used as a food supplement. Due to its high calcium content, it is consumed by lactating mothers to produce more milk for their babies, hence called mother's best friend.
- 2) Medicine. Malunggay helps in good eyesight, helps in digestion, facilitates bowel movement, and a cure for stomach aches. Other known health benefits include: strengthening immune system, blood pressure controlled, reducing arthritis pains and inflammations, restricting growth of tumors, managing diabetes sugar level, and treating headaches and migraines.
- 3) Cosmetics. Moringa plant provides nutrition for healthy skin (provide healing benefits for cuts, scrapes, rashes, and cracking signs of aging). The leaves is rich in antioxidants, amino acids, vitamins and minerals. Antioxidants reduce the appearance of wrinkles and fine lines.

With this, there will be an upcoming investment opportunity seminar to inform local investors at the Regional level.

An Investment Opportunity for Jatropha curcas (tuba-tuba) for Biodiesel

Jatropha is potential source of biodiesel

Demand for Biofuels

§ Biodiesel

| Blend | Year | Demand (Milliliters) | Equivalent Feedstock Volume (MT) | | Equivalent Area for Production (Has) | |
|-------|------|----------------------|----------------------------------|----------|--------------------------------------|----------|
| | | | Coconut | Jatropha | Coconut | Jatropha |
| 1% | 2007 | 78 | 123,810 | 260,000 | 121,382 | 52,000 |
| 2% | 2010 | 173 | 274,603 | 576,667 | 269,219 | 115,333 |

| | | | | | |
|------|-----|---------|---------|---------|---------|
| 2015 | 209 | 331,746 | 696,667 | 325,241 | 139,333 |
|------|-----|---------|---------|---------|---------|

- Processing Plant Requirement (30 MLI capacity):
2007 – 3 refineries
2010 – 6 to 7 refineries
2015 – 7 to 8 refineries

Basing the demand for bio-diesel on the consumption of diesel and the percentage of biodiesel mandated by law, 78 Million Liters of biofuels are needed this year alone, which can be extracted from coconut or jatropha. This volume is equivalent to a 123,810 metric tons production of coconut or in terms of jatropha, a production of 260,000 metric tons. For such production, 121,382 hectares of land for coconut plantation or 52,000 hectares for Jatropha is needed.

As for the percentage increase in biofuels blend in the forthcoming years, the demand will double to 173 Million Liters in 2010 and 209 by 2015, thereby increasing the equivalent feedstock volume and the equivalent areas of production.

A drought-resistant plant, Jatropha thrives even in dry areas, produces seeds within one year of planting, is productive up to the age 35 to 50 years, and can grow well in marginal poor soil. There are no varieties of Jatropha curcas that had been evaluated and recommended in the Philippines but growers are advised to use existing materials in their locality. Its by-products may be used as organic fertilizer.

However, the seeds or cuttings should be collected from a parent tree that bears at least 7-10 fruits per bunch and have three seeds per fruit. Although the plant can be directly planted as cuttings or as seeds, it is recommended to raise the seedlings in the nursery before transplanting in the field.

It has an average yield of 5 tons per hectare and can produce 300 Li/MT of Jatropha Methyl Ester (JME) in the country. Optimum yield can be obtained after 4 years.

Projections indicate establishment cost of jathropa farms at about PhP 27,500 per hectare and annual cost of about PhP 20,000 per year thereafter. Straight forward comparison without considering the interest rate at PhP 5.00 per kg of seeds, monocrop production of Jatropha will be profitable at yield levels of 7.5 tons per hectare.

Jatropha is potential source of biodiesel owing to its adaptability to marginal areas. Suitability analysis from the Bureau of Soils and Water Management show that the plant can grow in most idle lands identified by the Department of Agriculture.

OPPORTUNITIES

- Ø Installation of Processing Plants.
- Ø Expansion of Jatropha Areas.

CHALLENGES

- Ø Research and Development
- Ø Identification of high yielding varieties
- Ø Promulgation of National Standards for JME

OTHER RELATED INFORMATION

Region 10 Agribusiness Land Development Proposal CY 2007

| Commodity | PROVINCIAL TARGETS | | | | | Total Reg'l Commitment |
|-----------------------|--------------------|--------------|----------------|--------------|-------------|---------------------------|
| | Bukidno n | Camigui n | Lanao Norte | Mis. Occ. | Mis. Or. | |
| 1. Coconut : | 551 | 50 | 655 | 2,350 | 1,600 | 5,206 |
| Under-Coco Areas | 100 | 63 | 500 | 1,000 | 1,000 | 2,663 |
| <i>Corn</i> | 100 | 4 | 220 | 720 | 530 | 1,574 |
| <i>Banana</i> | 0 | 33 | 170 | 60 | 325 | 588 |
| <i>Cassava</i> | 0 | 12 | 70 | 220 | 45 | 347 |
| <i>Vegetables</i> | 0 | 1 | 0 | 0 | 10 | 11 |
| <i>Lanzones</i> | 0 | 13 | 0 | 0 | 0 | 13 |
| <i>Tobacco</i> | 0 | 0 | 0 | 0 | 80 | 80 |
| <i>Pineapple</i> | 0 | 0 | 0 | 0 | 10 | 10 |
| <i>Rootcrops</i> | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Other Fruits</i> | 0 | 0 | 40 | 0 | 0 | 40 |
| 2. Mango | 548 | 0 | 0 | 120 | 50 | 718 |
| 3. Banana | 4,715 | 20 | 0 | 595 | 375 | 5,705 |
| 4. Vegetables | 0 | 2 | 0 | 31 | 190 | 223 |
| 5. Cassava | 506 | 5 | 0 | 428 | 275 | 1,214 |
| 6. Rubber | 954 | 0 | 0 | 0 | 0 | 954 |
| 7. Coffee | 56 | 0 | 0 | 31 | 75 | 162 |
| 8. Pineapple | 451 | 0 | 0 | 0 | 20 | 471 |
| 9. Palm Oil | 2,054 | 0 | 0 | 0 | 0 | 2,054 |
| 10. Corn | 4,597 | 10 | 0 | 0 | 1,560 | 6,167 |
| 11. Abaca | 129 | 53 | 215 | 107 | 107 | 611 |
| 12. Lanzones | 27 | 10 | 0 | 0 | 55 | 92 |
| 13. Livestock/Pasture | 846 | | 50 | 10 | 8 | 914 |
| 13. Fisheries | 0 | 7 | 0 | 251 | 0 | 258 |
| - <i>tilapia</i> | 0.00 | 0.20 | 0.00 | 191.00 | 0 | 191 |
| - <i>seaweeds</i> | | 7.00 | 0.00 | 60.00 | 0 | 67 |
| - <i>Bangus</i> | | 0.00 | 0.00 | 0.00 | 0 | 0 |
| 14. Rice | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. Others: | 221 | 2 | 0 | 716 | 300 | 1,239 |
| Grand TOTAL | 15,755 | 222 | 1,420 | 5,639 | 5,615 | 28,650 |

ECONOMY in Cagayan de Oro City, Misamis Oriental, Northern Mindanao

Investment

The soundness and reliability of the business climate is affirmed by the presence of multi-national giants like Del Monte Philippines, Nestle Philippines, Philippine Sinter, Pilipinas Kao among others. Increasingly, the city is being used as a jumping board by multinationals for expansion of their operation in the Mindanao region. The 210-MW Mindanao Coal-Fired Power Plant Project of the German-owned STEAG State Power Inc. is considered as Region 10's biggest single foreign direct investment in 10 years with a staggering cost of US \$305 million.

Exports

Cagayan de Oro, Misamis Oriental combined account for more than 50% of the total exports of Region 10. Among the major export markets and products are:

| Markets | Products |
|---|---|
| Europe | § Crude Coco Oil |
| United States of America | § Dessicated Coconut |
| Japan | § Refined Glycerine |
| South Korea | § Coconut Shell Charcoal |
| Secondary Markets: Malaysia, Canada, Singapore, Hongkong, China, Taiwan, Indonesia, Thailand, others | § Milk Powder § Fatty Alcohol § Canned Pineapple Products |

COST OF DOING BUSINESS in CAGAYAN DE ORO CITY

| PARTICULARS | Php |
|---|-----------------------|
| Minimum Daily Wage | 201.00 – 218.00 |
| Commercial Lot (purchase price per square meter) | 8,400.00 – 15,000.00 |
| Office Spaces (Lease rate per square meter) | 300.00 – 350.00 |
| Telephone Installation (including telephone set) | 2,995.00 – 4,500.00 |
| Monthly Subscription (telephone) | 220.00 – 600.00 |
| Power (per kwh) | 6.2500 – 6.5859 |
| Water (per cu.m.) | |
| § 1-10 cu.m. | 259.00 – 388.50 |
| § Succeeding cu.m. | 36.00 – 63.00 |
| Shipping Rates (per 20-footer van/depends on the destination) | 9,700.00 – 34,700.00 |
| International Forwarders | |
| § 20-footer | |
| § 40-footer | |
| Rent-a-Car | 850.00 – 8,000.00 |
| Trucking Services | 12,000.00 – 33,600.00 |
| Plane Ticket (CDO-Manila) | 4,600.00 – 5,300.00 |