

Major Group 6:

SKILLED AGRICULTURAL, FORESTRY, LIVESTOCK AND FISHERY WORKERS

Skilled agricultural, forestry, livestock and fishery workers grow and harvest field or tree and shrub crops, gather wild fruits, herbs and vegetables, breed, tend or hunt animals, produce a variety of animal husbandry products, cultivate, conserve and obtain forests revenue, breed or catch fish and cultivate or gather other forms of aquatic life for sale or delivery to wholesalers, marketing organizations or at markets. Most occupations in this major group require skills at the second skill level.

This major group consists of the following sub-major groups:

- 61 MARKET-ORIENTED SKILLED AGRICULTURAL AND LIVESTOCK WORKERS**
- 62 MARKET-ORIENTED SKILLED FORESTRY, FISHERY AND HUNTING WORKERS**
- 63 SUBSISTENCE FARMERS, FISHERMANS, HUNTERS AND GATHERERS**

61 MARKET-ORIENTED SKILLED AGRICULTURAL AND LIVESTOCK WORKERS

Market-oriented skilled agricultural workers plan and carry out the necessary operations to grow and harvest field or tree and shrub crops, breed animals, produce a variety of animal husbandry products, or cultivate, conserve and exploit forests for sale or delivery on a regular basis to wholesalers, marketing organizations or at markets.

This sub-major group consists of the following minor groups:

- 611 MARKET GARDENERS AND CROP GROWERS**
- 612 ANIMAL PRODUCERS**
- 613 MIXED CROP AND ANIMAL PRODUCERS**

611 MARKET GARDENERS AND CROP GROWERS

Market gardeners and crop growers plan and carry out the necessary operations to grow and harvest field crops, to grow fruit and other tree and shrub crops, to grow garden vegetables and medicinal and other plants and to produce horticultural and horticultural nurseries products, for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

6111 FIELD CROP GROWERS

Field crop growers plan and carry out the necessary operations to grow and harvest various types of field crops such as rice and other cereal, oil palm, rubber, coconut, tapioca, sugar cane, ground nuts, tobacco, or other field crops for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining the kinds and amounts of crops to be grown;
- purchasing seeds, fertilizer and other supplies;
- renting or investing in real estates and land improvements, buildings and machinery;
- performing operations such as land preparation, sowing, planting, cultivating and harvesting crops;
- storing and carrying out some basic processing of plantation products;
- tending working animals and maintaining machinery and equipment in farm;
- performing related tasks;

Example of the occupations classified here:

- 61111** *Grower, pineapple*
- 61112** *Grower, intercrop*
- 61113** *Irrigator*
- 61114** *Mandore, estate/plantation*
- 61115** *Sub assistant, agricultural G17*
- 61116** *Grower, rubber*
- 61117** *Grower, coconut*

6112 SHRUB CROP GROWERS

Shrub crop growers plan and carry out the necessary operations to grow and harvest shrubs product, such as fruit and nut trees, tea and coffee bushes, grape vines, cocoa trees and pomegranate trees for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining the kinds and amounts of crops to be grown;
- purchasing seeds, fertilizer and other supplies;
- performing farm operations such as land preparation, sowing, planting, cultivating and harvesting crops;
- storing and carrying out some basic processing of their farm product;
- protecting animal used to work and maintaining nursery, green house, machinery and equipment;
- performing related tasks.

Examples of the occupations classified here:

- 61121** *Grower, shrub trees*
- 61122** *Grower, tea*
- 61122** *Grower, coco*
- 61123** *Grower, pomegranate*
- 61124** *Grower, coffee*

6113 GARDENERS, HORTICULTURAL AND NURSERY GROWERS

Gardeners, horticultural and nursery growers plan and carry out the necessary operations to grow vegetables by intensive cultivation techniques, to cultivate trees, shrubs, flowers and other plants

and to produce saplings, bulbs and seeds for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining kinds and amounts of vegetables, horticultural and nursery products to be grown;
- renting or investing in real estates and land improvements, buildings, animals used for work, equipment and machinery;
- performing farm operations such as land preparation, sowing, growing vegetables by intensive cultivation, cultivating flowers, trees or bushes and harvesting crops;
- producing saplings, bulbs and seeds;
- cultivating flowers, trees, shrubs and other plants in parks or public or private gardens;
- growing plants for exhibition or medicinal purposes;
- protecting and maintaining green house, machinery and equipment in nursery;
- delivering or marketing products;
- storing and carrying out some processing of crop products;
- performing related tasks.

Examples of the occupations classified here:

61131 Grower, horticultural

6114 MIXED CROP GROWERS

Mixed crop growers plan and carry out the necessary operations to grow and harvest specific combinations of field crops, field vegetables, tree and shrub crops, garden, horticultural and nursery products, for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining kinds and amounts of crops to be grown;
- purchasing seeds, fertilizer and other supplies;
- renting or investing in real estates and land improvements, buildings, animals used for works, equipment and machinery;
- performing farm operations such as land preparation, sowing, planting and tending trees or bushes and cultivating and harvesting crops;
- growing vegetables by intensive cultivation and producing saplings, bulbs and seeds;
- cultivating flowers, trees, shrubs and other plants for parks or public or private gardens;
- growing plants for exhibition or medicinal purposes;
- storing and carrying out some processing of crop product;
- protect animals used to work and maintaining buildings, machinery and equipment;
- delivering or marketing products;
- performing related tasks.

Examples of the occupations classified here:

61141 Mixed crop grower (no husbandry)

6115 VEGETABLE GROWERS

Vegetable growers plan and carry out the necessary operations to grow and harvest various types of vegetables for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

Examples of the occupations classified here:

61151 Grower, vegetable

61152 Grower, bean-sprout

612 ANIMAL PRODUCERS, LIVESTOCK FARMERS AND ANIMAL PRODUCT PRODUCERS

Market oriented animal producers, livestock farmers and animal product producers and related workers plan and carry out the necessary operations to breed, raise and tend livestock such as cattle, sheep, pigs, goats, horses, birds, reptiles, fur-producing animals, poultry, pets such as cats, rabbits, dogs, hamster or other animal and to produce a variety of animal husbandry products for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

6121 LIVESTOCK AND DAIRY PRODUCERS

Livestock and dairy producers plan and carry out the necessary operations to breed, raise and tending livestock such as cattle, sheep, pigs, goats, horses, dogs and cats which to be used to work, sports, or pet animals as well as to obtain meat, milk, hair, skin and other products for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining kinds and amounts of livestock and livestock products to be produced;
- purchasing animals, producing and purchasing fodder and other supplies;
- renting or investing in grazing land, buildings, equipment and machinery;
- breeding, raising and tending livestock;
- milking animals;
- reaping animal fur producers;
- killing animals for meat and fur purposes;
- skinning animals and providing animals or animal products for market;
- storing and carrying out some basic processing of farm products;
- maintaining farm buildings, machinery and equipment;
- delivery or marketing farm products;
- performing related tasks.

Examples of the occupations classified here:

61211 Breeder, cattle

61212 Farm worker, skilled/mixed animal husbandry

61213 Shepherd, buffalo

6122 AVES PRODUCERS

Aves producers plan and carry out the necessary operations to breed, raise and tend aves for sale or delivery of aves product such as eggs, meat, nest or feathers on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining kinds and amounts of aves and the products to be produced;
- renting or investing in grazing land, buildings, equipment and machinery;
- breeding, raising and tending poultry and collecting eggs;
- slaughtering, dressing and packing poultry for shipment;
- storing and carrying out some basic processing of the aves products;
- maintaining farm buildings, machinery and equipment;
- delivery or marketing farm products;
- performing related tasks.

Examples of the occupations classified here:

61221 *Farm worker, poultry*

61222 *Operator, incubator*

61223 *Inseminator, poultry*

61224 *Vaccinator, poultry*

61225 *Producer, bird nest*

6123 FISHERY PRODUCERS AND FARMERS

Fishery producers and farmers plan and carry out the necessary operation to breed, raise and maintaining breeding pond and production of marine products such as balls, crackers, 'otak-otak', skin, shell, gamat, dried aquaculture products and ornamental husbandry for sale or delivery on a regular basis to wholesalers, marketing organizations or at markets.

Tasks include:

- determining the kinds and amounts of fishery products to be produced;
- purchasing aquaculture food and other supplies;
- breeding, raising, and tending marine husbandry and collecting their products;
- storing and carrying out some basic processing of marine products;
- maintaining pond, aquarium, water temperature and equipment;
- delivering or marketing products;
- performing related task.

Examples of the occupations classified here:

61231 *Farmer, ornamental fish*

61232 *Farmer, fish*

61232 *Farmer, prawn*

61232 *Farmer, mussel*

61232 *Farmer, shellfish*

61233 *Farmer, gamat*

61234 *Farmer, crocodile*

61235 *Producer, marine product*

6129 ANIMAL PRODUCERS NOT ELSEWHERE CLASSIFIED

Animal producers not elsewhere classified engaged in breeding, raising and tending wild mammals, game birds and other birds, non-domesticated fur giving animals, snakes and other reptiles as well as various insects and animals used for laboratory tests for sale or delivery on a regular basis to wholesale buyers, marketing organizations, zoos and circuses or at markets.

Tasks include:

- buying or setting up necessary buildings, open or sheltered space, equipment, etc and maintaining them;
- determining kinds and amounts of animals to be raised;
- purchasing animals, growing or purchasing food and other supplies;
- breeding, raising, feeding and tending animals;
- killing and skinning animals and preparing animals or animal products for market;
- storing and carrying out some basic processing of the products;
- protecting animals, especially in animal reserves;
- training animals for racing, circus performances and the like;
- performing related tasks.

Examples of the occupations classified here:

61291 *Farmer, leech*

61292 *Farmer, worm*

61293 *Farmer, silkworm*

61294 *Collector, honey*

613 MIXED CROP AND ANIMAL PRODUCERS

Mixed crop and animal producers plan and carry out the necessary operations for mixed farming of the kind that produces a combination of both crops and animals and related products, for delivery or sale on a regular basis to wholesale buyers, marketing organizations or at markets.

6130 MIXED CROP AND ANIMAL PRODUCERS

Mixed crop and animal producers plan and carry out the necessary operations for mixed farming of the kind that produces a combination of both crops and animals and related products, for delivery or sale on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining kinds and amounts of crops to be grown;
- purchasing seeds, fertilizer and other supplies;
- renting or investing in real estates and land improvements, buildings, animals used to work, equipment and machinery;
- performing farm operations such as land preparation, sowing, planting and tending trees or bushes, collecting sap and harvesting crops;
- storing and carrying out some basic processing of the farm products;
- tending animals used to work and maintaining farm buildings, machinery and equipment;
- delivering or marketing farm products;
- performing related tasks.

Examples of the occupations classified here:

61301 *Mixed product farmer (crops and husbandry)*

62 **MARKET-ORIENTED SKILLED FORESTRY, FISHERY AND HUNTING WORKERS**

Market oriented skilled forestry, fishery and hunting workers catch, breed and cultivate fish and other forms of aquatic life and hunt, birds and reptiles, for sale or delivery on a regular basis, to wholesalers, marketing organizations or at markets and carry out the necessary operations to cultivate, conserve and exploit forests, for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

This sub-major group consists of the following minor groups:

621 **FORESTRY AND RELATED WORKERS**
622 **FISHERY WORKERS, HUNTERS AND TRAPPERS**

621 **FORESTRY AND RELATED WORKERS**

Forestry and related workers plan and carry out the necessary operations to cultivate, conserve and exploit forests, for sale or delivery of forestry products.

6211 **FORESTRY AND RELATED WORKERS**

Forestry and related workers carry out the necessary operations to cultivate, conserve and exploit forests, for sale or delivery of forestry products on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- establishing and tending for forest area;
- locating trees to be felled and estimating volume of timber;
- trimming, topping and felling trees and sawing them into logs;
- shaping rough wooden products from logs at felling site;
- stacking logs, loading them in chutes or floating them down rivers;
- grading logs at log pond;
- taking responsibility to supervise logging works, provide survey blocks, grid line, measure, topography and tree census;
- taking responsibility in teaching trainees on way of handling trainees and maintain deep heavy machinery logging, technique build roads timber and attract timber from the jungle;
- taking responsibility to help instructor to supervise/provide training to the school forestry surround in the field of forest engineering, land survey and use forest goods;
- performing related tasks.

Examples of the occupations classified here:

62111 *Scaler, logging*
62112 *Ranger, forest*
62113 *Checker, log*
62114 *Ranger, forest G17*
62115 *Forest guard G11*
62116 *Instructor, logging G17*

6212 CHARCOAL BURNERS AND RELATED WORKERS

Charcoal burners and related workers carry out the necessary operations to convert wood into charcoal or to extract crude turpentine from wood, using traditional techniques.

Tasks include:

- operating a simple kiln to convert wood into charcoal by a slow-burning process;
- operating a simple crusher equipment or in-site distillation apparatus at the tree-felling site to obtain or distill crude wood turpentine;
- performing related tasks.

Examples of the occupations classified here:

62121 Burner, charcoal

622 FISHERY WORKERS, HUNTERS AND TRAPPERS

Fishery workers, hunters and trappers catch, breed and cultivate fish and other forms of aquatic life or hunt and trap mammals, birds and reptiles for sale or delivery on a regular basis of the animals or animal products to wholesale buyers, marketing organizations or at markets.

6221 AQUACULTURE WORKERS

Aquaculture workers breed and raise fish, prawns, snakes, crocodiles and other forms of aquatic life, for sale or delivery on a regular basis to wholesalers, marketing organizations or at markets.

Tasks include:

- planning and managing the operation of hatcheries taking into consideration environmental and market factors;
- renting or investing in farm facilities;
- purchasing food and other supplies;
- monitoring and maintaining water quality to maintain health standards and optimal growth conditions;
- identifying and controlling environmental toxins and diseases;
- monitoring stock growth rates to determine when to harvest;
- directing and overseeing the harvesting, grading and packaging of fish, prawns, oysters and other aquatic stock;
- preparing fish and other products for shipment;
- cleaning, freezing, marinade or salting aqua products;
- constructing and maintaining farm facilities;
- delivering or marketing products;
- performing related tasks.

Examples of the occupations classified here:

62211 Pearl culturist

62212 Farm worker, fish

62213 Farm worker, prawn

62214 Farm worker, crocodile

62215 Farm worker, oyster

62216 Farm worker, snake

6222 INLAND AND COASTAL WATERS FISHERY WORKERS

Inland and coastal waters fishery workers, alone or as crewman of fishing-boat, catch fish or gather other forms of aquatic life in inland or coastal water, for sale or delivery on a regular basis to wholesalers, marketing organizations or at markets.

Tasks include:

- preparing and repairing nets and other fishing gear and equipment;
- operating and maintaining fishing boat to, from and at fishing grounds;
- baiting, setting and hauling in fishing gear;
- gathering different forms of aquatic life from shores and shallow water;
- cleaning, freezing or salting haul;
- diving to gather oysters used for seed-pearl cultivation;
- delivering or marketing products;
- taking responsibility in administering the activity of culturing fish and water planning, implementing and monitoring and advising about the fish spawn and disease;
- performing related tasks.

Examples of the occupations classified here:

- 62221** *Fishery worker, inland*
- 62222** *Fishery worker, coastal*
- 62223** *Diver, oyster*
- 62224** *Sub assistant, fishery G17*
- 62225** *Shipscrew*

6223 DEEP-SEA FISHERY WORKERS

Deep-sea fishery workers, as crewman of fishing boat, catch deep-sea fish, for sale or delivery on a regular basis to wholesalers, marketing organizations or at markets.

Tasks include:

- preparing and repairing nets and other fishing gear and equipment;
- operating and maintaining fishing vessels to, from and at fishing grounds;
- baiting, setting and hauling in fishing gear;
- cleaning, freezing, icing or salting haul on- or offshore;
- delivering or marketing the haul;
- performing related tasks.

Examples of the occupations classified here:

- 62231** *Fishery worker, deep-sea*

6224 HUNTERS AND TRAPPERS

Hunters and trappers catch and kill mammals, birds or reptiles mainly to obtain meat, skin, feathers and other products, for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets.

Tasks include:

- determining the types of mammals, birds or reptiles to hunt or trap;
- setting traps to catch mammals, birds or reptiles;
- killing trapped or free mammals, birds or reptiles with firearms or other weapons;
- skinning and processing killed mammals, birds or reptiles to obtain desired products for sale or delivery;
- delivering or selling trapped live mammals, birds or reptiles;
- repairing and maintaining equipment;
- performing related tasks.

Examples of the occupations classified here:

62240 Hunter and Trapper

63 SUBSISTENCE FARMERS, FISHERMAN, HUNTERS AND GATHERERS

Subsistence farmers, fisherman, hunters and gatherers conduct mixed farms or plantations to produce a variety of agricultural and animal husbandry products or specialized farms or plantations to produce a particular type of agricultural or animal husbandry products, breed and cultivate fish and other forms of aquatic life, or hunt and collecting mammals, birds and reptiles or wild fruits, herbs and vegetables for own use or for sale to wholesale buyers, marketing organizations or at markets.

This sub-major group consists of the following minor groups:

- 631 SUBSISTENCE CROP FARMERS**
- 632 SUBSISTENCE LIVESTOCK FARMERS**
- 633 SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS**
- 634 SUBSISTENCE FISHERMAN, HUNTERS, TRAPPERS AND GATHERERS**

631 SUBSISTENCE CROP FARMERS

Subsistence crop farmers plan and carry out the necessary operations to grow and harvest various types of crops for own use or for sale to wholesalers, marketing organizations or at market.

6310 SUBSISTENCE CROP FARMERS

Subsistence crop farmers plan and carry out the necessary operations to grow and harvest of crops for own use or for sale to wholesalers, marketing organizations or at market.

Tasks include:

- determining kinds and amounts of crops to be grown;
- purchasing seeds, fertilizer and other supplies;
- performing operations such as land preparation, sowing, planting, cultivating and harvesting crops;
- storing and carrying out some basic processing of the crop products;
- performing related tasks.

Examples of the occupations classified here:

63101 Subsistence crop farmers

632 SUBSISTENCE LIVESTOCK FARMERS

Subsistence livestock farmers plan and carry out the necessary operations to breed, raise and tend livestock to be used to work, sports or pet animals, as well as to obtain meat, milk, hair, skin and other products, for own use or for sale to wholesalers, marketing organizations or at markets.

6320 SUBSISTENCE LIVESTOCK FARMERS

Subsistence livestock farmers plan and carry out the necessary operations to breed, raise and tend livestock to be used as working, sporting or pet animals, as well as for meat, milk, hair, hides and other products, for sale or delivery on a regular basis to wholesalers, marketing organizations or at markets.

Tasks include:

- determining the kinds and amounts of livestock and livestock products to be produced;
- purchasing animals, producing and purchasing fodder and other supplies;
- renting or investing in grazing land, buildings, equipment and machinery;
- breeding, raising and tending livestock;
- milking, slaughtering and skinning animals, and preparing animals or animal products for market;
- storing and carrying out some basic processing of the livestock products;
- maintaining farm buildings, machinery and equipment;
- delivering or marketing farm products;
- performing related tasks.

Examples of the occupations classified here:

63201 *Subsistence livestock farmers*

633 SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS

Subsistence mixed crop and livestock farmers plan and carry out the necessary operations to grow and harvest field, tree and various mixed crops, livestock to breed, raise and tend livestock to be used to work, sports or pet animals, as well as to obtain meat, milk, hair, skin and other products, for own use or for sale to wholesalers, marketing organizations or at markets.

6330 SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS

Subsistence mixed crop and livestock farmers plan and carry out the necessary operations to grow and harvest field, tree and various mixed crops, livestock to breed, raise and tend livestock to be used as working, sporting or pet animals, as well as for meat, milk, hair, hides and other products, for sale or delivery on a regular basis to wholesalers, marketing organizations or at markets.

Tasks include:

- determining the kinds and amounts of livestock and livestock products to be produced and amounts of crops to be grown;
- purchasing animals, producing and purchasing fodder and other supplies;
- purchasing seeds fertilizer and other supplies;
- performing operations such as land preparation, sowing, planting, cultivating and harvesting crops;
- producing or buying fodder and other food supplies;

- renting or investing in grazing land, buildings, equipment and machinery;
- breeding, raising and tending livestock;
- milking, slaughtering and skinning animals, and preparing animals or animal products for market;
- storing and carrying out some basic processing of the crop and livestock products;
- maintaining farm buildings, machinery and equipment;
- delivering or marketing farm products;
- performing related tasks.

Examples of the occupations classified here:

63301 *Subsistence mixed crop and livestock farmers*

634 **SUBSISTENCE FISHERMAN, HUNTERS, TRAPPERS AND GATHERERS**

Subsistence fisherman, hunters, trappers and gatherers catch, breed and cultivate fish, for own use or for sale to wholesalers, marketing organizations or at markets, hunt and trap mammals, birds and reptiles mainly for meat, skin, feathers and other products, or gather wild fruits, herbs and vegetables.

6340 **SUBSISTENCE FISHERMANS, HUNTERS, TRAPPERS AND GATHERERS**

Subsistence fishermans, hunters, trappers and gatherers breed and cultivate fish, for own use or for sale to wholesalers, marketing organizations or at markets, hunt and trap mammals, birds and reptiles mainly to obtain meat, skin, feathers and other products, or gather wild fruits, herbs and vegetables

Tasks include:

- determining the types of mammals, birds or reptiles to hunt or trap;
- setting traps to catch mammals, birds or reptiles;
- killing trapped or free mammals, birds or reptiles with firearms or other weapons;
- skinning and processing killed mammals, birds or reptiles to obtain desired products for sale or delivery;
- delivering or selling trapped live mammals, birds or reptiles;
- determining the type of wild fruits, herbs and vegetables to be gathered or collected;
- gathering or collecting wild fruits, herbs and vegetables either working alone or in a group, sorting gathered products and preparing it for market;
- selling gathered products and preparing it for market;
- performing related tasks.

Examples of the occupations classified here:

63401 *Collector, jelutung*

63402 *Collector, dammar*

63403 *Collector, turtle-egg*

63404 *Gatherer, shellfish*

63405 *Collector, bird's nest*

63406 *Gatherer, seaweed*

63407 *Gatherer, wild fruits, herbs & vegetables*

63408 *Fisherman*