

Underground Crops

*Long-term trends in production
of roots and tubers*

Douglas Horton

UNDERGROUND CROPS
Long-term trends in production
of roots and tubers

Douglas Horton

*with a note on the quality and
interpretation of African data
by Paul Dorosh*

1988

Winrock International

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Contents

<i>Preface</i>	v
<i>Root Crop Characteristics</i>	1
<i>Accuracy of Root Crop Statistics</i>	10
<i>About the Tables</i>	12
<i>A Note on African Root Crops Data</i>	21
<i>References</i>	22
<i>Tables</i>	23

Preface

This book is the outcome of collaboration between the International Potato Center (CIP) and Winrock International, with the help from several other international agricultural centers. Douglas Horton of CIP was the principal author and supervised the compilation and organization of the data. Paul Dorosh, a post-doctoral fellow at the International Institute of Tropical Agriculture, contributed the discussion of African data. Steven Breth of Winrock International produced the book.

The tables in this publication are based on previously unpublished data from the Food and Agriculture Organization of the United Nations. K. Becker and F. Pariboni of FAO's Basic Data Unit generously provided the data and promptly responded to numerous questions on its sources and interpretation.

Special thanks go to several members of CIP's staff: Norma Puican, who was mainly responsible for data processing and preparation of draft tables and figures, Maria and Carmen Lozano, and Victor Suarez.

J. Lynam of CIAT and R. Opena of AVRDC commented on the proposal; and K. Becker, J. Lynam, and R. Moreno provided valuable comments on the draft.

The author accepts responsibility for any errors and invites readers to point them out in order to improve future editions of this book.

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This publication was prepared to improve information on root crops in developing countries. Traditionally, agricultural research and development efforts have focused on export crops and the major cereals. Relatively little attention has been paid to roots and tubers. Recently, the underexploited potential of root crops has become more widely recognized. In many parts of the developing world, cereals do not flourish and cereal imports drain scarce foreign exchange. A number of countries that once relied heavily on imported grain to meet domestic food needs are now seeking to increase food self sufficiency in the wake of foreign exchange shortages and persistent rural poverty. Greater output of roots and tubers is a promising avenue for expanding food supplies in many countries. Roots and tubers are productive food crops and they may also be used in manufacturing and livestock feeding. Often root crops are important sources of rural employment, and in a surprising number of areas they generate much-needed cash income for poor farmers. For some countries, root crop exports generate foreign exchange (Thailand's cassava exports are an example).

Growing awareness of the value, both actual and potential, of root crops is reflected in a recent study of priorities for international agricultural research (Consultative Group on International Agricultural Research, 1987) and in a number of FAO documents, most notably the reports on Africa (FAO, 1986) and Latin America (FAO, 1987) prepared by the Committee on World Food Security. In 1986, for the first time, FAO appointed a senior staff member

to coordinate its activities with root crop. Several developing countries have also begun to upgrade the position of root crops in their research and development planning.

Root Crop Characteristics

This publication deals with five major groups of crops: cassava (*Manihot esculenta*), edible aroids (principally *Colocasia esculenta* and *Xanthosoma* spp.), potatoes (*Solanum tuberosum*), sweet potatoes (*Ipomoea batatas*), and yams (*Dioscorea* spp.). Technically, the important edible product harvested from cassava and sweet potatoes is roots; from potatoes and yams, it is tubers; and from aroids (known variously as taro, tannia, and cocoyams), it is corms and cormels. To simplify and condense the discussion in this publication, the term "root crops" is generally used to include all these crops.

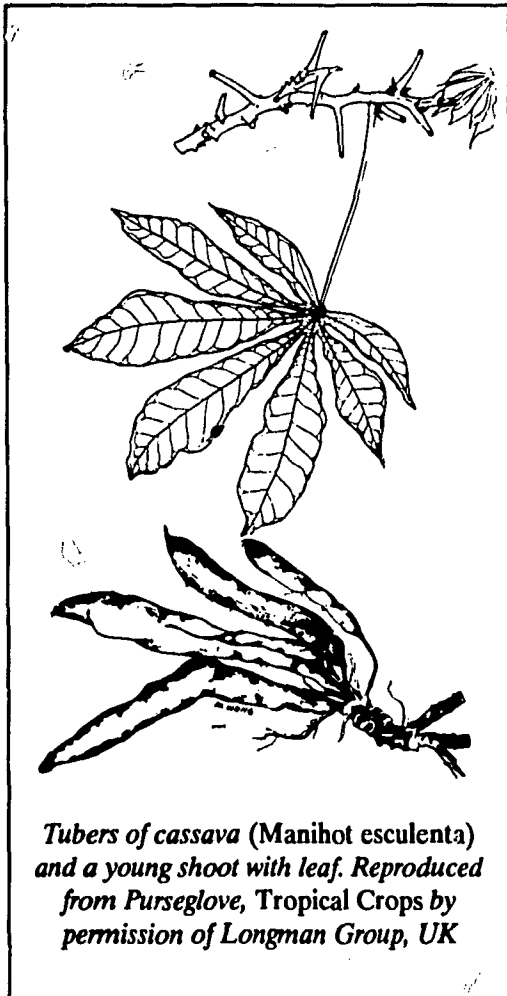
This section, adapted from "Root crops in developing countries: An economic appraisal" (Horton, Lynam, and Knipscheer, 1984), briefly describes the characteristics of the major root crops and their production systems.

Cassava

Cassava is unknown in a wild state and its evolution as a species is directly linked to selection by man under cultivation. Cassava's center of origin is tropical America; the exact time and location of domestication and the direct ancestor are not known.

Certainly by the beginning of the 19th century cassava had been effectively distributed throughout the world's tropical re-

gions. Expansion of cassava production in the 19th century was hastened by import into West Africa of techniques for producing gari (fermented and fried cassava mash), by the promotion of cassava as a famine reserve by colonial governments such as the Dutch in Java and the British in West Africa and southern India, and by establishment of a cassava processing and export industry in Malaya. By the 1880s, the tapioca trade was well established in Malaya and by the turn of the century, production and trade in cassava products, particularly starch, had been started by the Dutch in Java and the French in Madagascar. Brazil was also exporting modest amounts.



Tubers of cassava (Manihot esculenta) and a young shoot with leaf. Reproduced from Pursglove, Tropical Crops by permission of Longman Group, UK

Because of cassava's long growth season, cultivation is limited to the tropics and subtropics. Cassava is nevertheless the most widely cultivated root crop in the tropics. It is grown across a broad range of agro-climatic conditions: from sea level to almost 2,000 meters in the American tropics and in areas with as little as 500 millimeters of rainfall to areas of tropical rainforest.

One of cassava's principal characteristics is its ability to produce economic yields under relatively marginal rainfall and soil conditions. Cassava is efficient in water use and is able to withstand dry periods of up to 5 months. Also, it is adapted to low pH and high aluminum content, which are common in tropical soils. Cassava forms an effective mycorrhiza association and is efficient in phosphorus uptake and utilization.

Important characteristics that influence the role of cassava within farming systems are high carbohydrate yields per unit of land and labor, adaptation to poor soils and water stress, compatibility with a variety of crops in association, an indeterminate harvest period, the bulkiness of the roots, their 60 to 70 percent water content, and their extreme perishability after harvest.

Cassava is well suited to small farm production systems. In the Americas, where there is a great disparity in farm size, 75 percent of cassava farmers operate farms of 20 hectares or less. These are small farms by Latin American standards, particularly in the marginal, lowland areas where most cassava is produced. In Asia cassava is cultivated in populous areas such as Java in Indonesia and Kerala in India, where farms rarely exceed 2 hectares in size. Cassava is exclusively an upland crop in these areas and is usually grown where soil is poor and rainfall is limiting. In Thailand 75 percent of cassava growers have under 6 hectares of farmland. Most cassava is produced in the northeast on

relatively marginal land that has few other cropping alternatives. In Africa the role of cassava is defined not so much by farm size as by population pressure and the length of the fallowing period in shifting cultivation systems. Cassava is a principal crop where fallows have become particularly short and soil fertility conditions are poor.

Cassava is not only produced under relatively marginal agricultural conditions, few purchased inputs are used. Because cassava is vegetatively propagated through stem cuttings, seed costs are nil. Although cassava can be attacked by diseases and pests, the varieties that most farmers plant are either resistant to the dominant diseases and pests or they can yield well under attack. Many traditional varieties are very leafy, which appears to afford tolerance to insects and diseases that attack the leaves. Few growers apply fungicides, insecticides, or herbicides. Moreover, fertilizer is seldom used in cassava production systems. In Brazil, for example, less than 9 percent of the cassava area is fertilized. Even in Java, where land use is intensive and fertilizer prices are heavily subsidized, fertilizer use for cassava averages only 8 kg/ha compared with about 180 kg/ha for all crops.

Outside of Asia, cassava is grown in rotations that include fallow. In Latin America, the length of fallow tends to be shorter than in Africa, where bush fallow is commonplace.

Cassava has been widely characterized as a subsistence crop. This reputation traces to the colonial period when cassava was often cultivated as a famine reserve. The locus of cassava production on small farms has tended to support this view. However, cassava today is very much a commercial crop. In the Americas perhaps 70 percent of production is marketed. This is true in Asia, too, even in countries like India and Indonesia

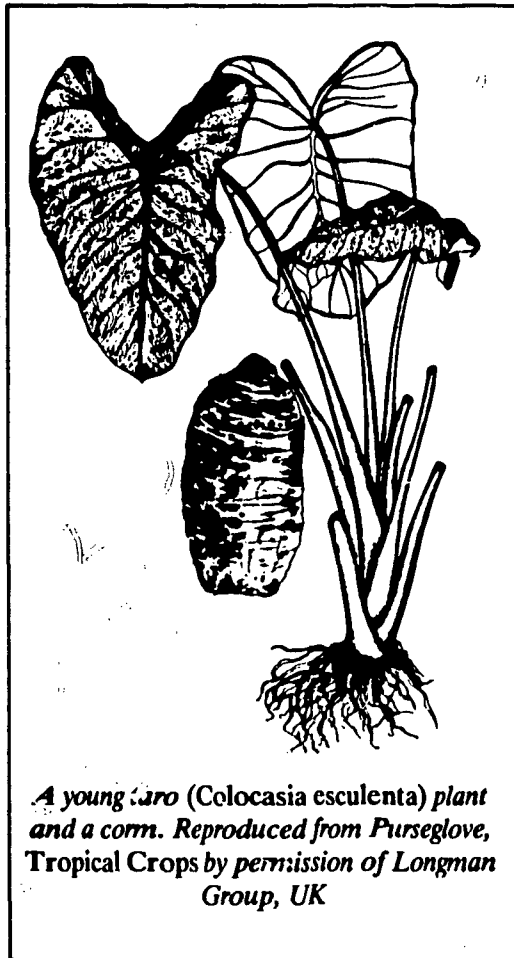


A young tannia plant (Xanthosoma sagittifolium), base of the plant with corms and comels, and a cormel. Reproduced from Purselove, Tropical Crops by permission of Longman Group, UK

where most cassava is eaten (rather than fed to livestock). Even in Africa, where most people live in rural areas and nearly all cassava is used as a food, an extensive trade in gari exists in Nigeria and in kokonte (dried cassava) in Ghana. Thus, part of the reason cassava is so widely produced is not because it is the paramount subsistence crop, but because it is a cash crop with an existing market. Future development of cassava production will require strengthening of the market for the crop.

Edible aroids

The two main genera of edible aroids are *Colocasia* (taro) and *Xanthosoma* (tannia). Both taro and tannia are often referred to as



A young taro (Colocasia esculenta) plant and a corm. Reproduced from Pursglove, Tropical Crops by permission of Longman Group, UK

cocoyams. Taro originated in Southeast Asia and spread across Africa to the Americas. In Nigeria it is called "old" cocoyam to distinguish it from the "new" cocoyam, or tannia, which originated in South or Central America and reached West Africa later. It is believed that tannia is rapidly replacing taro in West Africa. In Nigeria, the largest producer of this crop, cocoyams are appreciated for their easy digestibility. Farmers distinguish "soft" and "hard" varieties. The soft ones are often used for pounding in a yam-cocoyam mixture.

Cocoyams are typically grown as secondary crops in Nigeria, ranking far behind yams and cassava in production and consumption. However, in parts of Ghana,

Cameroon, and Gabon, cocoyams are a staple food. The usefulness of cocoyams as an intercrop between tree crops is one reason for their popularity in those areas.

Taro is adapted to wet soils but is generally grown on well-drained, relatively fertile upland soils. It is often cultivated in association with tree crops, especially cocoa.

Although most farmers use a rotation, edible aroids are sometimes grown for as much as 6 years in succession. They are often planted in clusters between scattered trees. Spacings within clusters differ from those between clusters. Hence, in comparing yields, it is important to know if the sample is based on a small area containing one cluster, on part of one cluster, or on a large area containing several clusters. Yield estimates will be substantially lower in the last case than in the first two.

For edible aroids, as for most foodcrops in tropical Africa, labor is the main production input. Although cash and good quality land are scarce, farmers consider the shortage of labor to be their main production constraint.

Farmers use corms and cormels as planting material. Little is known about the reproduction factor for the different aroids, but it is believed to be much higher than that for yams (that is, a smaller share of the harvest of edible aroids has to be reserved as planting material). Planting material is stored in shady places and is usually covered with palm leaves. Pre-sprouted cormels are then selected for planting on low mounds or ridges, or on the flat.

Potatoes

The potato is of highland origin. Domesticated in the Andes of South America, it became a major food crop near its origin and in similar mountainous areas elsewhere (e.g., the Himalayas and cool highland areas of

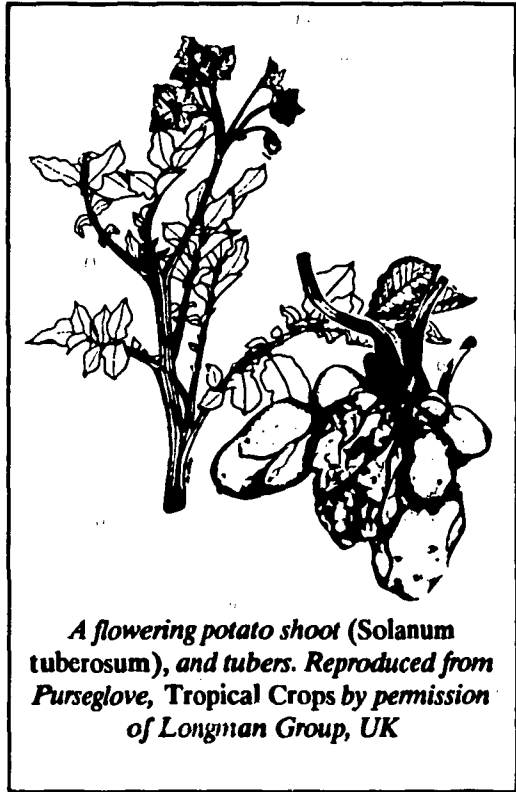
Central and Eastern Africa). Although it reached Europe in the early 16th century, the potato remained as a botanical curiosity for two centuries. Gradually the potato became an important food of peasants and low-income urban wage earners across Europe, and in North America. Most research on the potato has been done in Europe and North America, and most varieties now grown in the tropics (outside the Andes) originated in temperate areas.

In highland farming systems, the potato is generally grown by small farmers cultivating no more than 1 to 2 hectares in a number of distinct parcels of land. The crop is typically rainfed and subject to many hazards, including droughts, excessive rain, frost, hail, or typhoons, depending upon the location. Highland farmers generally retain a substantial part of their harvest to use as seed in the next season. In areas where potatoes are relatively expensive (Central America and Southeast Asia), farmers usually consume few of their own potatoes. Instead they sell the harvest and purchase cheaper foods with the proceeds.

In recent years, potato production has spread from its traditional mountainous environment into warmer, drier areas. Typical of such nontraditional growing areas are Peru's coastal valleys, the plains of India, Bangladesh, and Pakistan, and the irrigated oases of North Africa.

Potatoes are becoming an attractive winter crop in many arid, irrigated areas, where they are grown on relatively large commercial farms. Since harvest occurs at the beginning of summer, storage and marketing present severe problems for this perishable crop. In these areas, refrigerated storage is generally required both for seed and table potatoes.

Potato production has begun to expand in warm, humid zones. Because these areas

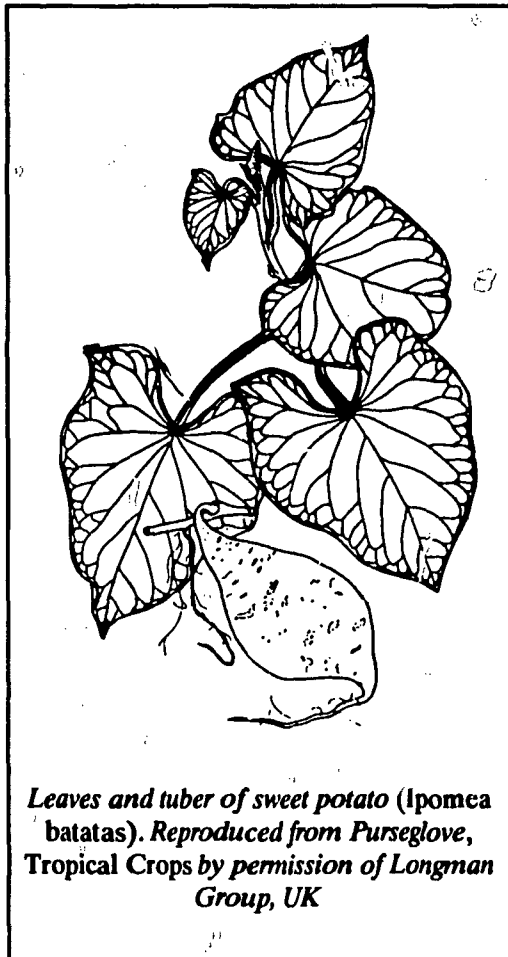


A flowering potato shoot (Solanum tuberosum), and tubers. Reproduced from Pursglove, Tropical Crops by permission of Longman Group, UK

have a high incidence of pests and diseases, farmers often apply high levels of pesticides and prefer varieties that are resistant or tolerant to pests and diseases. Production is generally on a small scale, as part of complex multiple-cropping systems. Traditional slash-and-burn systems prevail where population density is low; more intensive horticultural systems where population density is higher.

In temperate zones, under arid, irrigated conditions, and in cool highland areas, potatoes are generally produced as a sole crop. At lower elevations, particularly in humid zones, relay cropping and intercropping are common.

Economic returns from potatoes are high on average but very variable. For this reason, the few farmers who specialize in potato growing tend to be large, financially well-off producers. The majority of developing country growers are highly diversified and plant a small portion of their land to pota-



atoes with a dual purpose: home consumption and limited market sale.

Sweet Potatoes

Sweet potatoes are grown in more developing countries than any other root crop, yet little is known about the production zones and practices. Lack of attention to this crop by agricultural researchers reflects the fact that although sweet potatoes are grown in many places they are usually of secondary importance in relation to other crops. Sweet potatoes are significant in many poor isolated areas where few agricultural studies have been conducted. China is, by a wide margin, the world's leading sweet potato producing country.

The sweet potato is a short maturity crop tolerant to a wide range of growing conditions. It is cultivated in the tropics, subtropics, and warmer temperate zones (such as southern USA). It is relatively cold-tolerant, and hence is grown in many tropical highland zones (East Africa and New Guinea).

Sweet potatoes can be produced on fairly infertile soil with few inputs and can withstand periods of irregular rainfall and drought. Tubers can be left in the ground after maturity, but once harvested they have a short storage life. In developing countries, for these reasons, sweet potatoes are generally grown by small farmers on marginal land as a subsistence crop for immediate consumption. Culls are often fed to livestock. In times of war or famine, populations in several countries (Taiwan, the Philippines, South Korea, and Rwanda) have survived on the sweet potato. It is believed these unpleasant circumstances may have led to a degree of consumer prejudice against the sweet potato as a food. In recent years, per capita consumption of sweet potatoes has fallen in many areas.

Yams

Yams are grown in tropical regions scattered throughout the world, but the main production center is the savanna region of West Africa. White yam (*Discorea rotundata*) is believed to be indigenous to the area stretching from Cote d'Ivoire to Cameroon and is generally considered to be the best edible yam in that region. Yams are a prestigious component of the West Africa diet, and they are considered better tasting than other root crops.

Yams, like most African food crops, are generally intercropped. By intercropping farmers reduce risks associated with diseases, pests, and price fluctuations, stabilize the flow of food and income through the

whole year, and intensify land use. Because yams are generally intercropped, yield figures can be misleading unless they are presented with the yield of the intercrops (which is seldom done).

African production of yams, as well as cassava, cocoyams, and sweet potatoes, is concentrated in areas within 15 degrees of the equator. In this zone, about 40 percent of the daily energy intake is derived from root crops (22% from cassava, 10% from yams, 4% from edible aroids, and 2% from sweet potatoes). The principal producing and consuming country for most root crops is Nigeria, which also accounts for more than 50 percent of the area's population in this zone.

Comparisons

Potatoes have a shorter vegetative period than most other root crops, and they do best under cool temperatures (Table A). Potatoes can be grown in areas with high daytime temperatures, but do not tuberize well if nighttime temperatures are above 20°C. For economic yields, potatoes require relatively high inputs of fertilizer and organic matter. They do poorly in waterlogged soils. The optimal rainfall for potato production is lower than that for other root crops, but potatoes require regular watering and are highly susceptible to drought. Potato tubers can be left in the ground for short periods after maturity. Harvested tubers can be stored for long periods if they are free of pests and disease and if low temperatures and high humidity are maintained.

Other root crops have longer and more variable growing periods; cassava, the extreme case, requires 8 to 24 months, depending on temperature and soil fertility. Other root crops also do better under higher temperatures. For yams, the extreme, the optimal temperature is 30°C. Sweet potatoes and cassava, though responsive to fertiliza-

tion, can produce economic yields on poor, unfertilized soils with little organic matter. Their roots cannot be stored for longer than a few days after harvest, but they can be left unharvested for long periods. Both these crops are highly drought resistant.

In contrast to cassava and sweet potatoes, yams and edible aroids require good soils and adequate moisture. While neither yams nor tannia do well in swampy areas, taro can be grown in waterlogged soils. Both yams and edible aroids can be left on the plant after maturity and harvested as needed. If care is taken to avoid damaging the tubers, corms, and cormels during harvesting and handling, they store well.



A portion of a shoot of the greater yam (Dioscorea alata) with male inflorescences, and a tuber. Reproduced from Purseglove, Tropical Crops by permission of Longman Group, UK

TABLE A
Comparative root crop characteristics.

Characteristic	Cassava	Potato	Sweet potato	Tannia	Taro	Yam
Growth period (months)	9-24	3-7	3-8	9-12	6-18	8-11
Plant annual or perennial	per.	ann.	per.	per.	per.	ann.
Optimal rainfall (cm)	100-150	50-75	75-100	140-200	250	115
Optimal temp. (°C)	25-29	15-18	> 24	13-29	21-27	30
Drought resistant	yes	no	yes	no	no	yes
Optimal pH	5-6	5.5-6.0	5.6-6.6	5.5-6.5	5.5-6.5	NA
Fertility requirement	low	high	low	high	high	high
Organic matter requirement	low	high	low	high	high	high
Can be grown on swampy, waterlogged soil?	no	no	no	no	yes	no
Planting material	Stem	Tubers cuttings	Vine cuttings	Corms/cormels	Corms/cormels	Tubers
Period crop can be stored in ground	long	short	long	long	moderate	long
Post-harvest storage life	short	long	short	long	variable	long

Source: Derived from Kay, D.E. Root crops. (London: Tropical Products Institute, 1973).
NA = Not available.

Root crops as a group are often thought of as "inferior" foods or "starchy staples" that provide low-cost energy but little else to the human diet. This generalization is unwarranted for two reasons: it does not apply to all root crops, and it does not apply to any single root crop in all countries.

Nutritional composition varies greatly among the root crops (Table B). For example, cooked potatoes, yams, and taro have about 2 percent protein, but cassava has only about 1 percent protein. Potatoes, yams, and taro are rich in protein relative to some cereals. Their protein-to-calorie ratios equal or exceed those of maize grits and rice.

Root crops also contribute significant amounts of essential dietary vitamins and minerals. Notably, cassava, potatoes, and sweet potatoes provide ascorbic acid, which the cereals are deficient in.

Contrary to conventional wisdom, root crops are not always cheap. Prices vary among the crops and regions. In most developing regions, yams, potatoes, and edible aroids are costly sources of energy relative to cereals, sweet potatoes, and cassava (Table C). However, in some places, particularly in large cities, perishability and high marketing costs make cassava expensive. In these areas, cassava may be consumed by high-income households as a luxury vegetable.

Root crops are generally considered to be of minor economic importance. At the average farm-gate prices prevailing in 1977, however, potatoes, sweet potatoes, and cassava are among the six most valuable food crops grown in developing nations (Table C). Yams and edible aroids rank twelfth and nineteenth.

TABLE B
Nutritional composition of a hundred-gram edible portion of various foods.

Food*	Water (%)	Protein (g)	Food energy (kcal)	Protein-calorie ratio (g/1000 kcal)	Fat (g)	Ash (mg)	CA (mg)	P (mg)	Fe (mg)	Na (mg)	K (mg)	Thia-mine (mg)	Ribo-flavin (mg)	Niacin (mg)	Ascorbic acid (mg)
Maize (grits)	87	1.2	51	24	0.1	0.6	1	10	0.1	205	11	0.02	0.01	0.2	0
Pctato	80	2.1	76	27	0.1	0.9	7	53	0.6	3	407	0.09	0.04	1.5	16
Plaintain	80	1.3	77	17	0.1	0.7	...	...	...	...	...	...	...	...	...
Taro (raw)	73	1.9	98	19	0.2	1.2	28	61	1.0	7	514	0.13	0.04	1.1	4
Yam (raw)	74	2.1	101	21	0.2	1.0	20	69	0.6	...	600	0.1	0.04	0.5	9
Rice	73	2.0	109	18	0.1	1.1	10	28	0.2	374	28	0.02	0.01	0.4	0
Spaghetti	72	3.4	111	31	0.4	1.2	8	50	0.4	1	61	0.01	0.01	0.3	0
Sweet potato	71	1.7	114	15	0.4	1.0	32	47	0.7	10	243	0.09	0.06	0.6	17
Common bean	69	7	118	66	0.6	1.4	50	148	2.7	7	416	0.14	0.07	0.7	0
Cassava	68	0.9	124	7	0.1	0.6	...	...	...	...	...	...	...	...	26
White bread (fresh)	36	8.7	269	32	3.2	1.9	70	87	0.7	507	85	0.09	0.08	1.2	trace

*Boiled unless otherwise indicated. Edible portions of potatoes and other root crops and plaintains do not include peels. Dashes denote lack of reliable data.

Sources: Composition of foods (Washington D.C.: U.S. Department of Agriculture, 1975); W-T. Wu-Leung, F. Busson, and C. Jardin, Food composition table for use in Africa (Bethesda, MD: U.S. Department of Health, Education, and Welfare, Public Health Service, 1968).

TABLE C
**Production and value of major food crops in developing countries,
 1981/83.**

Commodity	Fresh wt (million tons)	Dry matter (million tons)	Edible energy (trillion kcal)	Edible protein (million tons)	Production value (US\$ millions)	Avg price (US\$/t)
Rice, paddy	404	356	982	18.1	68.7	170
Wheat	180	157	454	18.1	26.6	148
Maize	156	134	476	12.2	18.5	119
Potato	82	17	51	1.4	11.7	142
Sweet potato	107	32	99	1.5	9.5	89
Cassava	127	51	109	0.5	8.9	70
Soybean	32	28	127	10.8	6.5	207
Sorghum	47	42	149	4.9	5.8	123
Groundnut in shell	18	17	74	3.4	5.3	297
Banana	40	13	34	0.3	4.2	107
Tomato	22	1	4	0.2	4.2	195
Yam	24	6	21	0.4	3.9	163
Millet	27	24	84	2.5	3.9	144
Beans, dry	12	10	40	2.6	3.4	288
Barley	21	19	52	1.2	3.1	145
Cabbage	13	1	2	0.1	2.3	178
Chickpea	6	5	22	1.2	1.3	211
Broadbean, dry	4	3	12	0.9	0.9	245
Cocoyam	5	1	4	0.1	0.6	123
Lentils	1	1	4	0.3	0.4	341

Sources: *FAO Production Yearbook 1983* (Rome: FAO, 1984); *Composition of foods* (Washington, D.C.: U.S. Department of Agriculture, 1975); FAO estimates of farmgate price (unpublished). Production estimates are 1981/83 averages; price estimates are for 1977.

Accuracy of Root Crop Statistics

As various organizations have begun to look more closely at root crops, the inadequacy of published statistics on root crop production and use has become apparent. People seeking internationally comparable data usually turn to FAO publications: the production yearbooks, trade yearbooks, and food balance sheets. These are useful for inter-country comparisons at a given point in

time, but they are not appropriate sources of data for time series analysis. The reason is that FAO continually revises and corrects its estimates based on current information. As new information become available, estimates may be revised substantially. For example, in 1978 FAO revised its estimates of China's potato production downward two-thirds and then in 1983 more than doubled it.

FAO's Statistics Division keeps its data under continuous review and revises its estimates retrospectively if necessary. However, only current estimates are published in the

production yearbooks, trade yearbooks, and food balance sheets. As a result, time series assembled from those FAO publication series present sharp discontinuities from year to year.

FAO releases, on request, long-term series of agricultural production, trade, and utilization in the form of computer printouts and magnetic tapes. However, researchers and policy makers, particularly those in developing countries may not have easy access to them. In 1987, FAO published revised time series estimates in 1948-1985 World Crop and Livestock Products. This extremely useful document presents production estimates for the post-war years for total root crops and for cassava, potato, and sweet potato.

The data in *Underground Crops* is based on a single set of revised, unpublished time series prepared by FAO's Basic Data Unit in May 1986. FAO has not eliminated all inconsistencies from this data set, but what is presented here are the best, most consistent, and up-to-date estimates of root crop production available at that time.

Aside from the time-series problem, most published data on root crop production and use have several other flaws. From 1949 to 1971, the FAO production yearbooks lumped together the production estimates for sweet potatoes and yams, two botanically distinct crops that play quite different roles in food systems and that exhibit different trends in production and use. In *Underground Crops*, this problem has been resolved through use of FAO's revised, unpublished time series.

Another limitation is that the FAO trade yearbooks include international figures only for fresh potatoes. Trade statistics for processed potatoes and for other root crops, either fresh or processed, are not published. *Underground Crops* presents trade statistics for each of the five major groups of root

crops, including both fresh roots and processed products converted into fresh weight equivalent.

A third problem is that FAO's figures are based on official estimates, where available, generated by governmental statistical agencies. Government agencies tend to underestimate root crop production and consumption because root crops are often grown in isolated areas on small, irregular plots, frequently as intercropped, relay crops, secondary crops, or backyard garden crops. Consequently, root crops may easily be overlooked in national estimates.

Consumption estimates are usually derived from food balance sheets, which equate domestic production plus imports minus exports and net changes in year-end stocks to total domestic availability, which is the sum of the quantities available for seed, industrial products, animal feed, waste, and human consumption. Human consumption is often estimated as the residual (i.e., the first four uses are estimated and subtracted from total production and the balance is assumed to be human consumption). It is then divided by the estimated national population to obtain per capita consumption. In some instances, consumption is estimated and another variable, such as livestock feed, is calculated as the residual. In either case, the information in the equation is often unreliable. Moreover, the result is an estimate of the quantity available for consumption, not actual consumption.

On the supply side, the tendency to underreport production has already been mentioned. On the utilization side of the food balance sheet equation, the figures are equally suspect. Seeding rates for crops like potatoes in the developing countries are usually assumed to be close to rates used in industrial countries. However, because farmers in poor countries tend to use small tubers for

seed, the tonnage of seed planted may be vastly overestimated. Compilers of food balance sheets may indiscriminately apply waste factors of 10, 15, or 20 percent without regard to indigenous practices in peeling, cooking, or utilization of root crops. So far as is known, no developing country's estimates of seed and waste are based on local on-farm or market-level research. Instead, they are generally educated guesses.

Many estimates of the volume of root crops processed are known to be only a fraction of the true amount, because FAO has included only the portion that is exported or imported. For this reason, potato processing is substantially underreported for many countries. In the USA, for example, over half the potatoes consumed are processed; in Peru, traditional processed potato products (e.g., *chuno* and *papa seca*) are important. In Argentina, desserts made from sweet potatoes (*dulce de batata*) are common. However, these uses are not reflected in the FAO estimate. For cassava, FAO has attempted to estimate processing for domestic consumption.

The basic problems of data accuracy remain in *Underground Crops*, since no attempt has been made to correct or adjust the FAO estimates. For this reason, the figures presented should not be considered as definitive, but as the best available estimates as of May 1986.

Aside from accuracy, food balance sheets have the limitations of all average national estimates. The figures do not reflect important differences in consumption that occur between regions and across social groups. Despite all these shortcomings, food balance sheets provide a general indication of consumption levels and serve as a useful starting point for estimating root crop utilization. For many countries, the FAO food balance

sheets are the only estimates of root crop use.

About the Tables

The tables in this publication present FAO's most up-to-date country-level estimates of production and use of five major groups of root crops: cassava, edible aroids, potatoes, sweet potatoes, and yams. An additional category "unspecified root crops" is included when the original source does not specify which of the five major root crops, or others, are concerned. For example, in Table 19, the relatively high levels of unspecified root crop production in Cameroon, Ethiopia, Guinea-Bissau, and Namibia almost certainly include cassava, edible aroid, yam, and sweet potato production. However, the amount of each produced is not known.

Following the convention of the FAO production yearbooks, countries are listed in alphabetical order under regional headings: Africa, North and Central America, South America, Asia, Europe, Oceania, and the USSR. Each table begins with an estimate for the world and ends with estimates for "developing" and "developed" countries. FAO considers the countries of Eastern and Western Europe, the USSR, Canada, USA, Israel, Japan, Australia, New Zealand, and South Africa to be "developed." All other countries are considered to be "developing."

Production, Area, and Yield

Tables 1 through 18 present annual estimates of root crop production, area, and yield from 1961 to 1985. The countries listed vary from table to table depending upon which country reported production of each root crop. Only countries that reported production of 500 tons or more in at least one year during the period 1961-85, are included. Following this criterion, production esti-

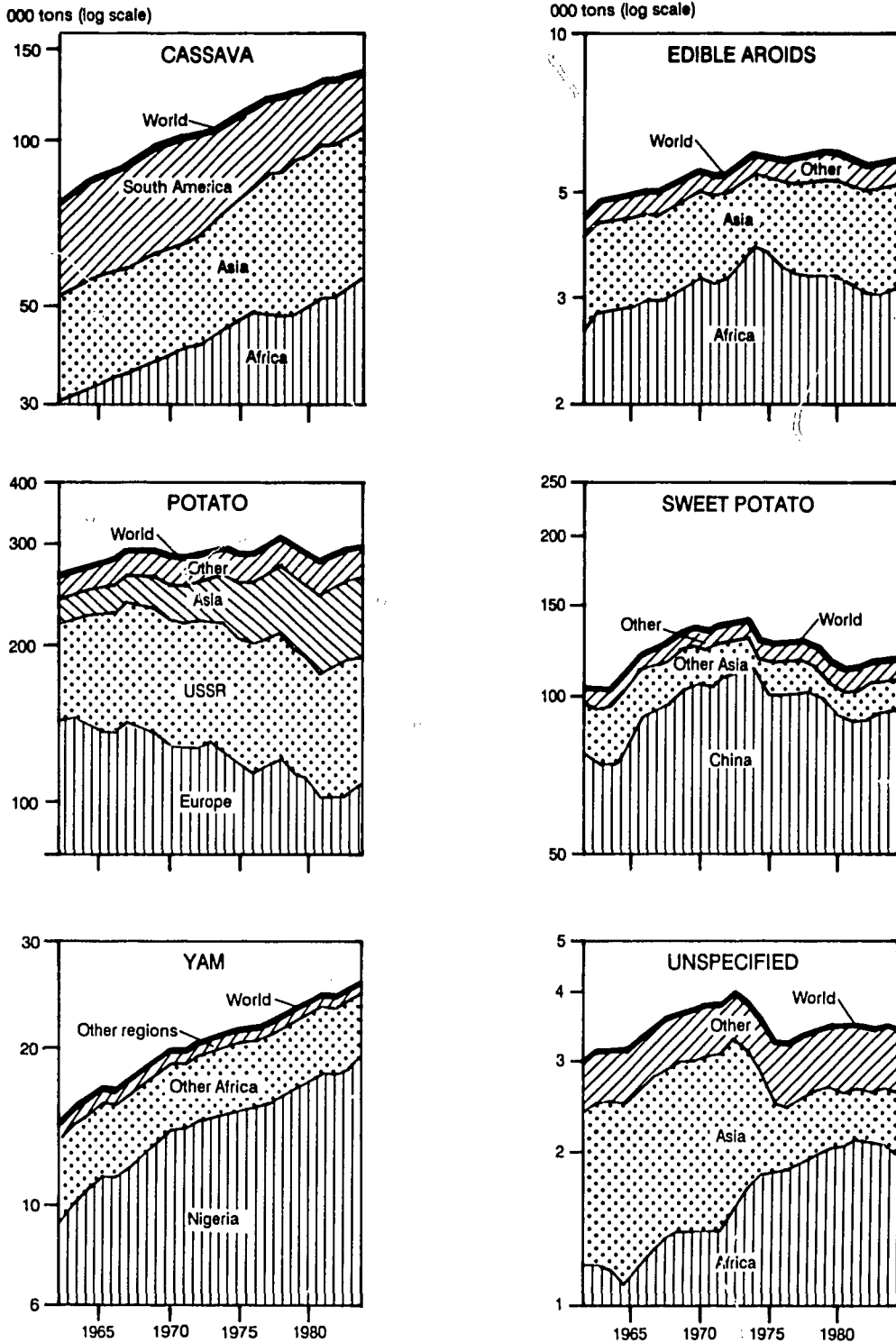


Fig. 1. World and regional root crop production trends 1961-85 (3-year moving averages).

mates for potatoes were reported for 126 countries; for sweet potatoes, 98 countries; for cassava, 93 countries; for yams, 48 countries; and for edible aroids, 45 countries.

Table 19 presents a summary of average root crop production, area, and yields for 1983-85. It includes countries that produced an average of 500 tons or more of root crops during the period.

Figure 1 summarizes regional root crop production trends. A semi-log scale is used to facilitate visual comparison among regions and crops. Equal slopes indicate equal rates of growth. On a worldwide basis, cassava and yam production have grown most rapidly. Yam production has more than doubled, and cassava production has increased about 90 percent from 1961 to 1985. World production of edible aroids has increased about 40 percent; both potato and sweet potato production have increased about 10 percent.

Virtually all of the world's cassava is produced in Africa, Asia, and South America. Africa and Asia also produce most of the world's cocoyams. Sweet potato production is highly concentrated in China. Yam production is concentrated in Nigeria and a few other African countries (most notably Cote d'Ivoire and Ghana). Among the root crops, potatoes are the most evenly distributed around the globe.

In general, root crop production has dropped in the developed countries and expanded in the developing countries (Fig. 2). Production of potatoes, the dominant root crop in developed countries, has declined from about 240 million tons in 1961 to 212 million tons in 1985. Production of sweet potatoes, the only other root crop grown on a significant scale in developed countries, has fallen from 7 million tons in 1961 to just over 2 million tons in 1985.

In developing countries, production trends of root crops differ sharply (Fig. 3).

Although cassava and yam production has increased steadily, and by 1985 reached a level about double that of the early 1960s, sweet potato and edible aroid production has been more erratic and now stands less than 50 percent above the 1961 level. Potato stands out from the rest--production has tripled in developing countries over the last quarter century.

In developing countries, production of root crops, particularly potatoes and cassava production, has expanded most rapidly in Asia. Average potato and yam yields in developing countries have approximately doubled from 1961 to 1985 (from 6 t/ha to 12 t/ha) and sweet potato yields also increased substantially (from 8 t/ha to 14 t/ha). Cassava yields increased about 25 percent (from 8 t/ha to 10 t/ha), and edible aroid yields remained stable at around 5 to 6 t/ha.

Comparing developed and developing countries, the yield gap for both potatoes and sweet potatoes was about 100 percent of the developing country yield in the early 1960s (6 to 8 t/ha). The gap has gradually narrowed. At present, potato and sweet potato yields are about 12 to 14 t/ha in developing countries and 17 to 18 t/ha in developed countries (Fig. 4).

Cassava and sweet potatoes each account for about one third of the root crops currently produced in developing countries (Fig. 5). The balance is made up of potatoes (a quarter of the total), yams (7 percent), edible aroids and others (about 2.5 percent).

Consumption

Tables 22 through 31 present information on root crop utilization. In these tables all figures are in fresh-weight equivalents using the following conversion factors:

1 ton fresh cassava	= 280 kg flour
	= 230 kg starch

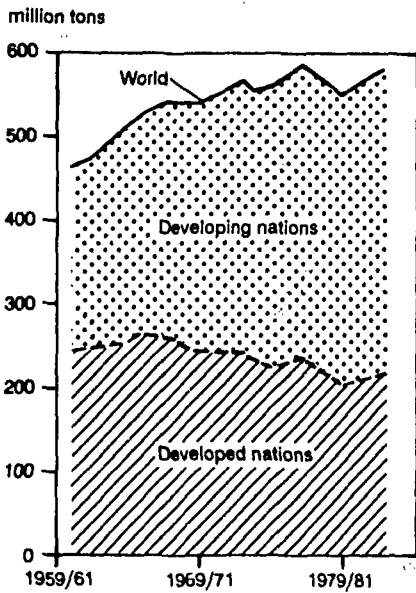


Fig. 2. Root crop production in developing and developed nations 1961-85 (3-year moving averages).

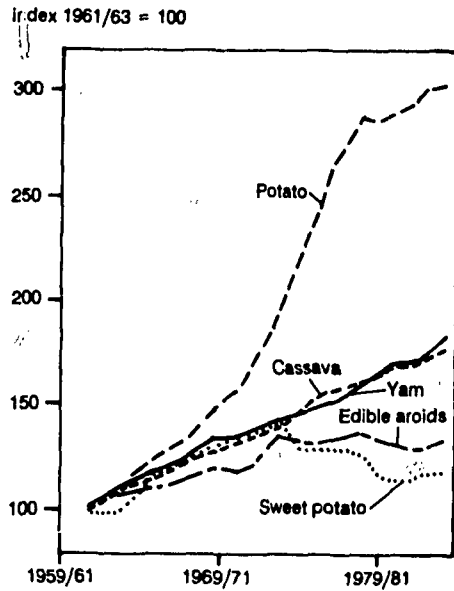


Fig. 3. Root crop production trends in developing nations 1961-85 (3-year moving averages).

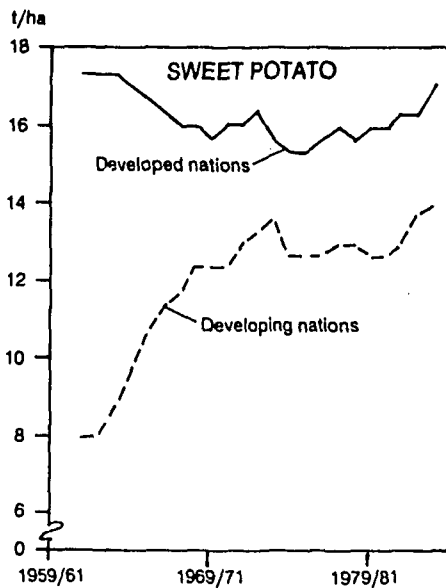
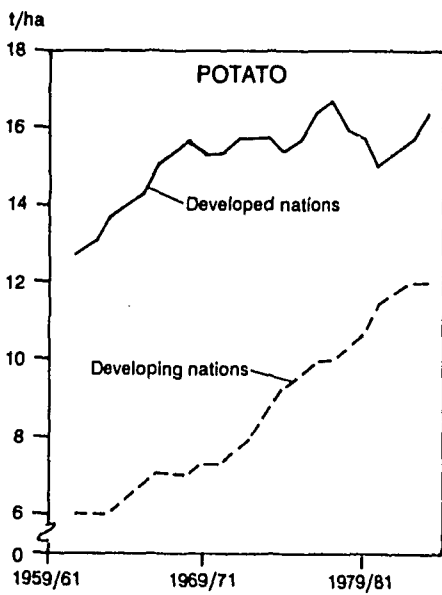
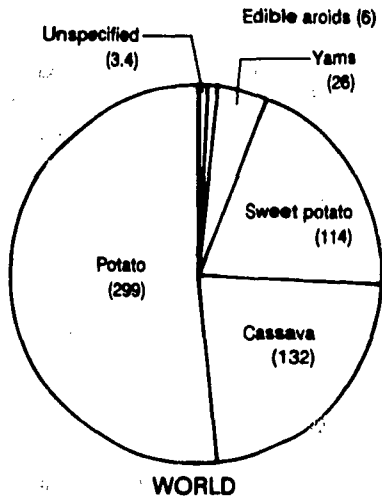


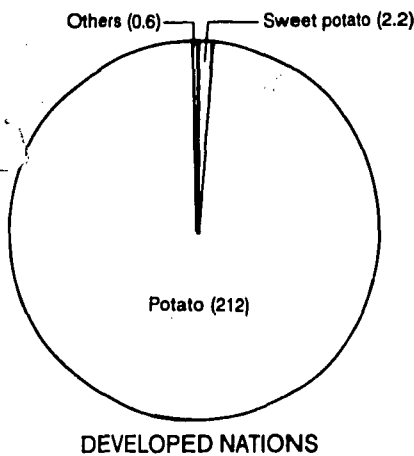
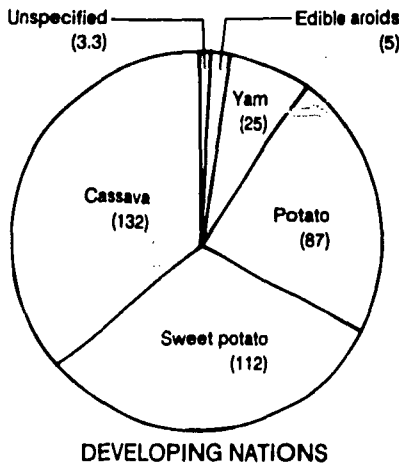
Fig. 4. Potato and sweet potato yields in developing and developed nations 1961-85 (3-year moving averages).



= 250 kg tapioca
= 280 kg dried

1 ton fresh potatoes = 200 kg flour
= 150 kg starch
= 150 kg tapioca
= 600 kg frozen

1 ton fresh unspecified roots and tubers: = 150 kg flour
= 150 kg flour
= 150 kg dried



No utilization of processed edible aroids, sweet potatoes, or yams is reported by FAO.

Average world per capita consumption of root crops was reported to be about 70 kilograms in 1984 (Figure 6 and Table D). This total is made up of 32 kilograms of potatoes, 19 kilograms of sweet potatoes, 16 kilograms of cassava, and 4 kilograms of yams, cocoyams, and unspecified root and tuber crops.

With an average consumption of 132 kilograms, Africa has the highest per capita root crop consumption of any region. Nearly 60 percent of Africa's root crop consumption is supplied by cassava and 20 percent by yams.

Cassava consumption is heavily concentrated in Africa and South America, where it averages over 60 kilograms. In no other world region does the average reach 10 kilograms per head. Average per capita cocoyam consumption is low in most regions, reaching a maximum of 10 kilograms in Oceania. Potato consumption is spread more uniformly across the regions; average per capita potato consumption exceeds 20 kilograms per year in all regions except Africa.

Per capita regional sweet potato consumption is low everywhere except in Oceania and Asia. Average yam consumption is also low except in Africa (Table 22).

Fig. 5. Root crop production 1983-85 (million tons).

Underground Crops

17

TABLE D
Average quantity of root crops available for consumption by region, 1984 (kilograms per head per year).

	Cassava	Edible aroids	Potato	Sweet potato	Yam	Total*
World	16	1	32	19	3	71
Africa	78	5	8	9	28	132
N. & C. America	2	0	40	3	1	46
South America	41	0	32	4	1	78
Asia	8	1	19	29	0	57
Europe	0	0	81	0	0	81
Oceania	6	10	46	19	8	91
U.S.S.R.	0	0	110	0	0	110
Developing nations	22	1	17	25	4	70
Developed nations	0	0	75	1	0	76

* Includes unspecified roots and tubers.

TABLE E
Proportion (%) of total dietary calories from root crops by region, 1984

	Cassava	Edible aroids	Potato	Sweet potato	Yam	Total*
World	1.4	0.1	2.3	1.8	0.3	6.0
Africa	9.6	0.5	0.7	1.1	3.3	15.3
N. & C. America	0.1	0.0	2.1	0.2	0.0	2.6
South America	3.7	0.0	2.3	0.3	0.1	6.4
Asia	0.5	0.1	1.5	3.2	0.0	5.2
Europe	0.0	0.0	4.7	0.0	0.0	4.7
Oceania	0.6	0.7	2.9	1.6	0.6	7.2
U.S.S.R.	0.0	0.0	6.2	0.0	0.0	6.2
Developing nations	2.1	0.1	1.3	2.7	0.5	6.7
Developed nations	0.0	0.0	4.3	0.1	0.0	4.4

* Includes unspecified roots and tubers.

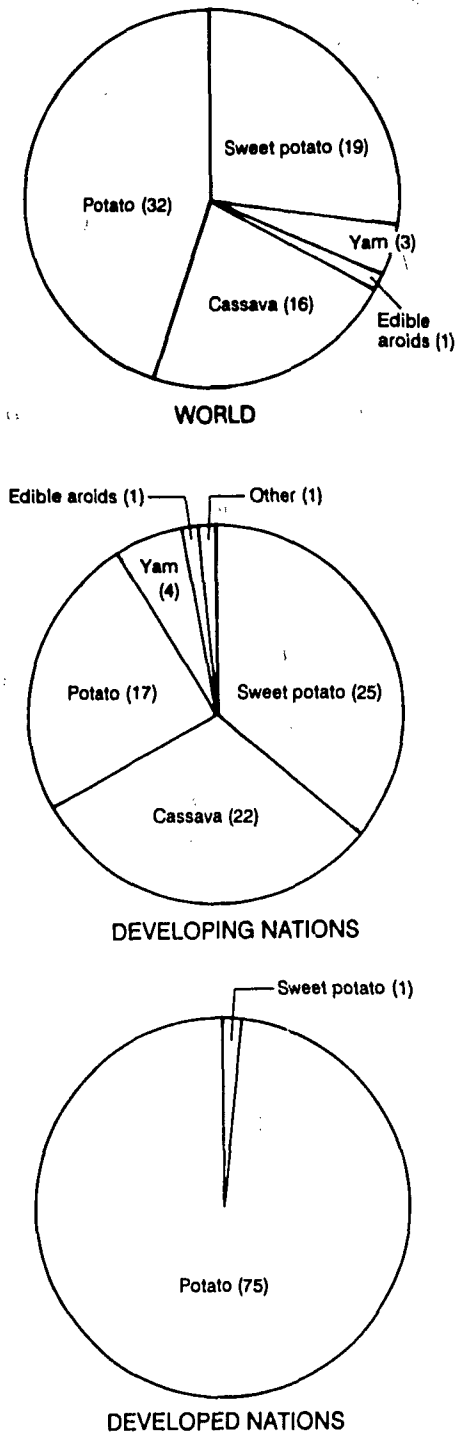


Fig. 6. Average annual per capita root crop consumption (kilograms).

Dietary Contribution

About 6 percent of the world's dietary calories are provided by root crops, primarily by potatoes, sweet potatoes and cassava. Root crops make their greatest dietary contribution in Africa and Oceania, where they provide 15 percent and 7 percent of the dietary calories, respectively (Table E). A broader range of root crops is of dietary significance in Oceania and Africa than in any other world region. In Europe and the USSR, potatoes provide 5 to 6 percent of the dietary calories, but no other root crops are grown. In Asia, where the numbers are dominated by China, sweet potato is the principal root crop. Potatoes and cassava each contribute about 1 percent of dietary calories in this region. Cassava is the major crop in South America, contributing about 4 percent of dietary calories. In both North and South America, potatoes contribute on average 2 percent of the dietary calories.

Utilization

As noted earlier, the quality of food balance sheet data is poor. Perhaps the most difficult variable to estimate is the quantity processed. In the food balance sheets (Table 10), an unknown portion of the root crops listed as "processed" is consumed and a portion of the crops listed as "food" is processed before consumption. For the world as a whole, FAO estimates that potato, sweet potato, and cassava consumption averages about 30 kilograms, 20 kilograms, and 15 kilograms, respectively (Fig. 6). In contrast, world consumption of yams, edible aroids, and other root crops, both fresh and processed, is estimated to be on average only about 5 kilograms per capita per year. FAO estimates that a bit more than one-third of the world's cassava is processed (Fig. 7). In developing countries most of this is believed

Underground Crops

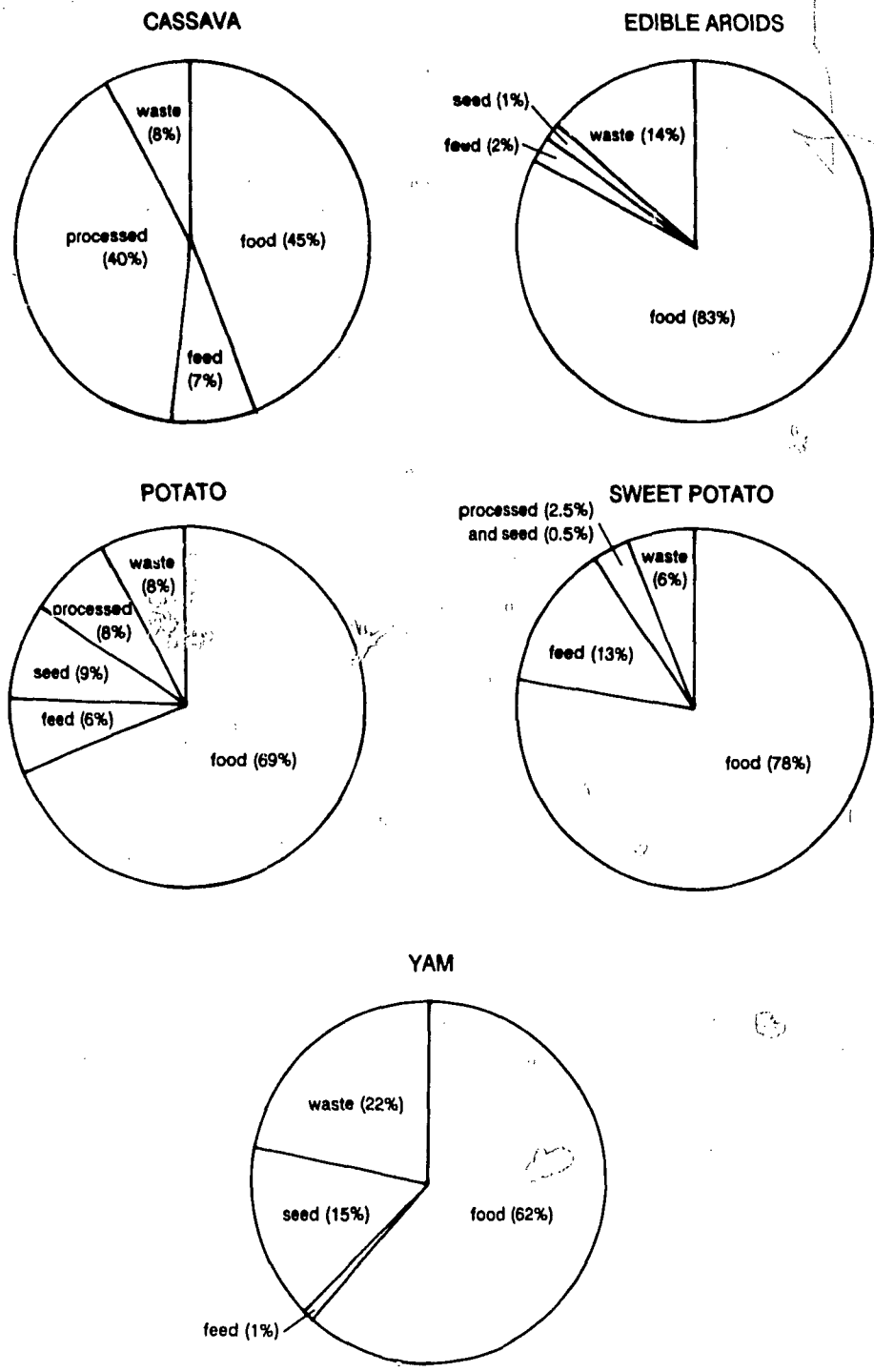


Fig. 7. Root crop balance sheets for developing countries, 1984.

TABLE F
Root crop trade by region, 1984 (000 t)

Country	Cassava		Edible aroids		Potato		Sweet potato		Yam		Total*	
	Imp.	Exp.	Imp.	Exp.	Imp.	Exp.	Imp.	Exp.	Imp.	Exp.	Imp.	Exp.
World	26,409	31,606	14	28	7,757	7,695	132	48	3	17	34,542	39,575
Africa	0	21	0	0	418	200	0	7	0	0	422	228
N. & C. America	138	43	14	21	661	519	11	11	3	7	859	619
South America	0	20	0	0	55	5	0	0	0	9	55	36
Asia	1,223	26,569	0	1	754	604	4	12	0	0	2,146	27,343
Europe	25,048	4,950	0	0	5,278	6,161	116	18	0	0	30,450	11,135
Oceania	0	2	0	7	28	21	0	0	0	0	46	30
U.S.S.R.	0	0	0	0	563	184	0	0	0	0	563	184
Developing nations	678	26,655	14	28	1,241	786	6	29	3	17	2,118	27,683
Developed nations	25,731	4,950	0	0	6,516	6,909	126	19	0	0	32,424	11,892

* Includes unspecified roots and tubers.

to be for human consumption, except for cassava processed in Thailand. No cassava is used as planting material, and waste is estimated to be just under 10 percent. In cassava growing areas, use of the roots for livestock feed is not common except in Latin America. However, imported dehydrated cassava is an important livestock feed in Europe. Virtually no edible aroids are used for seed, livestock feeding, or industry. About 80 percent is used for direct human consumption, most of the remainder being wasted.

The principal use of sweet potatoes is also human consumption; seed and industrial uses are insignificant, and less than 15 percent of harvest is fed to livestock. Yams are seldom processed or fed to livestock; however, a substantial share of the harvest, estimated to be 15 percent, is used for planting material, and an additional 22 percent is estimated to be wasted after the harvest. These factors help to make yams an expensive food in most developing areas. Other factors, such

as the need for staking in forest zones, the need for good soil fertility, and the heavy labor inputs required also contribute to high production costs for yams.

Use of potatoes in developed and developing countries differs sharply. In Europe and the USSR, about half the potatoes are estimated to be used for livestock feed and industrial purposes. In other parts of the world, most potatoes are consumed. The relatively large proportion (12 percent) of the harvest that is used for planting material makes potatoes expensive in many developing areas where seed is imported.

International Trade

Because of their bulkiness and perishability, root crops are not commonly exported. The only ones that are traded in a significant volume are cassava and potatoes. Developing countries annually export about 27 million tons (fresh-weight equivalent) of cassava, most of which is dehydrated livestock feed for Europe (Table F). About a quarter of

this is re-exported to other countries, mostly within the European Community. In 1984 developed countries exported about 7 million tons of potatoes mostly to other developed countries. About 1.2 million tons were imported by developing countries. An significant, but unknown, amount of the potatoes imported by developing countries was certified seed, primarily from Europe.

Prices

It is extremely difficult to estimate root crop prices because they vary so much over time and from location to location. Moreover, since root crops are not generally traded internationally, port authorities do not maintain price records for them, as they do for the major traded commodities. The best source of internationally comparable farm-gate root crop prices is a set of price weights accumulated by the FAO Basic Data Unit for constructing index numbers of total agricultural production. Table 31 presents the root crop prices for 1981, the most recent year for which the prices are reasonably comprehensive. These have been converted into US dollars using two exchange rates: the official exchange rate for 1981 obtained from International Financial Statistics and an estimated black market exchange rate obtained from Pick's Currency Yearbook.

Regional averages are not presented in this table because of the spottiness of the data. A general pattern that can be discerned is that cassava and sweet potatoes tend to be the cheapest crops and potatoes the most expensive. Farm-gate potato prices, converted to U.S. dollars, tend to be lower in developed countries than in developing countries. While part of this difference is due to overvaluation of exchange rates in several developing countries, in many developing areas, particularly in Africa, Asia, and Central

America, potatoes are costlier than in most temperate-zone industrial nations.

A Note on African Root Crops Data

Paul Dorosh

For many countries of Africa, statistics on agricultural production, especially production of root crops, are based on extrapolations from small, often dated surveys. Reported annual fluctuations in area, yield, or production must be treated with caution because some countries' statistical agencies assume a constant growth rate in area or production. In other countries, a sharp break in the trend of production estimates, may be due to changes in estimation procedure rather than to actual changes in production (e.g., cassava production trends in Cameroon, Rwanda, and Tanzania). In addition, some countries' production estimates (e.g., for cassava in Nigeria) differ sharply from FAO estimates. These facts must be kept in mind when interpreting the data for Africa as a whole.

Accurate estimates of cassava production are perhaps most difficult to obtain because much of the crop is left in the ground 12 months or more, and in many places planting and harvesting take place throughout the year. Area and yield are also made more difficult to estimate because plant spacing for cassava intercropped with other species varies widely among farming systems.

The estimates for yams need to be considered cautiously because there is considerable uncertainty about the level of yam production in Nigeria, which accounts for about 80 percent of world yam production according to FAO estimates. The reported growth rate of yam production in Nigeria in the 1960s and 1970s is higher than that of cas-

sava, in contrast to longer-run trends and the observations of many researchers. In comparing production of yams with that of other crops, it is important to realize that use of yams as yam setts for replanting typically accounts for about 20 percent of the crop harvest. (Surprisingly, use of yams for seed has been omitted in the FAO utilization account for Ghana, the third largest producer of yams.)

The picture of cocoyams in Africa given by the FAO data is distorted by the apparent lack of data for Cameroon. FAO production data indicates no cocoyam production in Cameroon, but a large volume of "unspecified" root crops. The absence of data on cocoyams may arise from confusion between the two genera of cocoyams, *Xanthosoma* and *Colacasia*, both of which are widely grown in the country. Cocoyams of both genera are apparently included in the production figures of other major West African producers of edible aroids, however. If the "unspecified" figure is largely cocoyam

production, a reasonable assumption, Cameroon may be Africa's second leading producer of edible aroids.

Finally, the price statistics for root crops, especially cassava, need to be carefully handled. Fresh cassava roots deteriorate quickly and are generally sold in retail markets in small quantities, compared with the large volumes of processed cassava. Hence if the price of fresh roots is used instead of the much lower price of dried cassava, the value of cassava production may be overstated by a factor of two to four. On the other hand, the considerable value of cassava leaves, which are widely consumed in Central Africa, is missed in calculations based only on the production of roots.

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Symbols Used in Tables

In all tables, zero (0) indicates a value is less than one-half the indicated unit of measurement.

Ellipsis (. . .) indicates that no estimate is available, or that the variable does not apply to the country and year in question. For example, in Tables 1 through 21, zeros indicate that production of the crop was less than 500 tons or area was less than 500 hectares. The symbol . . . in the tables presenting yields indicates that no yield estimate is available, usually because no production was recorded in that country that year.

Tables

1. *Cassava production*
2. *Cassava area*
3. *Cassava yield*
4. *Edible aroid production*
5. *Edible aroid area*
6. *Edible aroid yield*
7. *Potato production*
8. *Potato area*
9. *Potato yield*
10. *Sweet potato production*
11. *Sweet potato area*
12. *Sweet potato yield*
13. *Yam production*
14. *Yam area*
15. *Yam yield*
16. *Unspecified production*
17. *Unspecified area*
18. *Unspecified yield*
19. *Root crop production summary*
20. *Root crop area summary*
21. *Root crop yield summary*
22. *Per capita root crop production and availability for consumption and to supply dietary energy and protein*
23. *Proportion of calories provided by root crop in daily diets*
24. *Cassava balance sheet*
25. *Edible aroid balance sheet*
26. *Potato balance sheet*
27. *Sweet potato balance sheet*
28. *Yam balance sheet*
29. *Unspecified roots and tubers balance sheet*
30. *Root crop trade*
31. *Farm-gate root crop prices*

TABLE 1
Cassava production, 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	71018	74410	77894	82262	85173	84340	88276	92881	95382	97806	98476	101052
AFRICA	31234	31984	32585	33322	34865	34962	35933	36412	37676	39747	39220	40551
Angola	1250	1275	1300	1320	1400	1500	1525	1545	1590	1600	1600	1620
Benin	280	320	330	350	400	550	450	425	500	510	600	615
Burkina Faso	30	27	26	25	26	27	30	30	30	30	30	30
Burundi	420	420	420	450	450	450	460	460	460	410	420	380
Cameroon	580	600	620	650	675	705	756	758	595	654	662	719
Cape Verde	5	5	5	5	5	3	3	3	3	2	1	0
Cent. Afr. Rep.	720	730	740	760	780	578	629	670	716	764	820	873
Chad	30	40	47	58	65	70	90	110	125	140	144	145
Comoros	50	50	55	60	75	63	65	66	68	70	72	74
Congo	480	480	470	500	500	480	465	460	448	461	475	489
Cote d'Ivoire	460	500	470	490	500	515	520	530	532	540	567	585
Eq. Guinea	40	40	38	40	40	41	41	42	42	42	45	45
Gabon	285	290	280	280	280	280	280	285	285	285	290	290
Gambia	6	6	6	6	8	8	7	8	8	8	8	8
Ghana	1100	1100	1194	1229	1400	1552	1577	1446	1500	1550	1550	1650
Guinea	450	430	420	450	420	433	446	450	470	480	495	505
Kenya	420	430	440	450	460	470	480	490	500	510	520	530
Liberia	250	250	255	252	255	255	255	260	260	265	267	267
Madagascar	926	961	984	984	1171	1022	1043	1140	1253	1218	1210	1213
Malawi	147	147	136	136	135	138	140	142	89	81	100	139
Mali	50	50	40	30	30	31	32	33	33	35	40	30
Mauritius	0	0	1	0	0	0	0	0	0	0	0	0
Mozambique	2000	2100	2000	2050	2000	2150	2200	2326	2547	2500	2500	2500
Niger	130	133	136	149	150	149	169	198	197	182	166	95
Nigeria	7384	7583	7783	7982	8182	8382	8581	8801	9040	10206	9172	9570
Reunion	5	5	5	5	3	5	5	3	3	3	4	4
Rwanda	125	134	209	174	178	198	230	233	283	345	372	350
Sao Tome Prn.	2	2	2	2	2	2	2	2	2	2	3	3
Senegal	145	157	153	156	150	241	239	232	177	162	138	150
Seychelles	0	0	0	0	0	0	0	0	0	0	1	1
Sierra Leone	56	54	61	61	72	83	80	66	61	83	82	83
Somalia	16	16	17	18	20	20	20	23	23	25	26	26
Sudan	200	200	200	200	200	200	160	140	130	134	134	134
Tanzania	2800	2900	3000	3100	3200	3300	3500	3600	3500	3428	3192	3475
Togo	400	400	415	430	450	470	495	510	545	550	560	505
Uganda	1120	1055	1140	985	1300	900	1063	930	1440	1920	2417	2650
Zaire	8680	8900	9000	9300	9700	9500	9700	9800	10020	10346	10329	10585
Zambia	150	150	145	141	139	145	150	150	155	160	163	165
Zimbabwe	41	42	42	43	43	44	44	45	45	46	47	49
N. & C. AMERICA	596	610	623	633	679	686	711	721	757	786	799	849
Bahamas	1	1	1	1	1	1	1	1	1	1	1	1
Barbados	1	1	1	1	1	1	1	1	1	1	1	1
Costa Rica	6	6	7	7	7	7	8	8	8	8	9	9
Cuba	160	162	170	170	200	200	210	210	220	220	210	220
Dominica	1	1	1	1	1	1	1	1	1	1	1	1
Dominican Rp.	140	148	147	153	152	153	152	155	165	170	184	195
El Salvador	8	9	9	9	10	10	11	11	12	11	13	14
Guadeloupe	10	13	5	5	5	5	2	3	5	5	4	4
Guatemala	5	5	5	5	5	6	6	6	6	6	7	7
Haiti	160	160	170	170	180	180	190	190	200	205	210	230
Honduras	20	21	23	24	26	25	25	32	30	28	27	25
Jamaica	9	9	9	9	9	12	15	8	11	20	17	21
Martinique	3	3	3	3	3	3	3	3	3	3	3	3
Mexico	30	30	30	32	34	36	38	40	40	43	46	49
Nicaragua	11	12	12	13	14	15	16	16	17	17	18	19
Panama	18	18	18	19	20	21	22	24	24	35	37	39
Puerto Rico	6	6	6	6	6	5	6	5	5	4	4	4
Saint Lucia	1	1	1	1	1	1	1	1	1	1	1	1
St. Vincent	3	2	2	2	3	3	3	3	4	3	3	3
Trinidad Tob.	3	4	4	4	3	3	4	3	4	3	3	4

continued

COUNTRY	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	101341	104679	110186	114256	117731	121275	117201	124882	127941	127520	125250	133897	136230
AFRICA	40981	42603	46435	46943	46887	45554	45602	48464	49727	51607	50787	56187	56557
Angola	1630	1680	1710	1740	1760	1700	1800	1850	1900	1950	1950	1950	1950
Benin	599	578	582	624	625	721	735	583	575	610	580	695	795
Burkina Faso	20	30	35	35	40	40	42	42	42	43	42	40	44
Burundi	430	345	440	445	450	500	385	400	451	444	444	511	520
Cameroon	732	811	785	810	800	632	643	625	638	519	600	650	670
Cape Verde	1	2	3	6	6	3	4	3	4	1	1	2	2
Cent.Afr.Rep.	945	898	850	850	900	940	940	920	900	940	860	900	920
Chad	136	140	160	163	170	175	180	210	225	240	250	280	290
Comoros	76	78	80	81	83	85	85	86	87	88	89	90	92
Congo	490	515	550	556	560	580	600	628	649	650	600	600	610
Cote d'Ivoire	625	623	939	990	977	1056	1112	1253	1218	1230	1210	1230	1500
Eq.Guinea	46	46	48	49	50	52	52	53	53	53	54	54	55
Gabon	290	280	260	250	216	229	239	250	237	250	260	245	250
Gambia	9	9	9	10	9	6	6	6	6	6	6	6	6
Ghana	1600	1600	1900	1819	1811	1895	1759	1858	1652	1976	1729	4083	2373
Guinea	598	604	610	616	622	629	475	480	485	490	494	496	500
Kenya	540	550	560	605	610	620	630	635	221	390	250	612	400
Liberia	250	245	252	275	285	295	300	300	315	320	320	320	320
Madagascar	1175	1264	1309	1390	1412	1594	1570	1683	1670	1898	1992	2047	2142
Malawi	247	254	260	267	273	280	288	292	295	296	258	299	300
Mali	30	35	40	45	50	55	56	60	62	65	70	75	73
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	2450	2500	2600	2700	2800	2900	3000	3100	3200	3250	3150	3150	3180
Niger	156	201	176	197	180	205	224	162	188	190	180	170	190
Nigeria	9600	10000	10600	10800	10600	10500	10560	11000	11000	11700	9950	11800	13000
Reunion	4	4	4	4	4	4	4	4	4	4	5	5	5
Rwanda	363	360	394	415	444	373	654	542	537	593	671	324	350
Sao Tome Prn.	3	3	3	3	3	3	3	3	3	3	3	3	3
Senegal	131	120	109	68	75	81	25	27	34	32	17	17	12
Seychelles	1	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	84	81	81	87	89	89	90	95	97	100	105	100	110
Somalia	26	27	28	30	31	30	31	32	33	34	35	36	37
Sudan	140	92	130	99	95	103	127	122	125	125	125	125	128
Tanzania	3770	4179	5480	5500	5111	4824	5146	5631	6000	5000	5400	5600	5500
Togo	428	436	437	448	392	319	370	433	408	372	367	444	439
Uganda	2132	2350	2992	2838	2993	2028	1294	2072	3000	3300	3800	3900	4000
Zaire	11015	11447	11844	11910	12139	11779	12000	12785	13172	14185	14600	15038	15500
Zambia	165	165	167	169	172	175	178	180	190	200	210	210	210
Zimbabwe	45	50	48	50	50	52	54	60	50	60	70	80	82
N. & C. AMERICA	841	847	875	878	916	954	882	828	863	861	864	896	888
Bahamas	1	1	1	1	1	1	1	1	1	1	1	1	1
Barbados	1	1	1	1	1	1	1	1	1	1	1	1	1
Costa Rica	10	11	12	13	14	14	15	18	19	21	21	18	20
Cuba	230	238	246	254	262	312	320	325	330	330	300	300	300
Dominica	1	1	1	1	1	1	1	1	1	1	1	1	1
Dominican Rp.	197	192	191	171	185	185	119	81	94	76	102	129	125
El Salvador	15	16	17	13	13	15	20	20	25	23	23	28	23
Guadeloupe	4	3	2	2	1	1	1	1	2	2	2	3	2
Guatemala	7	7	7	8	8	8	8	8	8	9	9	9	9
Haiti	220	220	235	240	250	261	254	250	252	260	265	265	265
Honduras	14	11	10	9	8	8	9	7	7	7	7	7	7
Jamaica	15	15	19	21	28	30	24	23	22	17	17	20	19
Martinique	3	3	3	1	1	1	0	0	0	0	0	0	0
Mexico	52	55	56	68	66	39	33	20	30	43	43	43	43
Nicaragua	20	21	22	23	25	26	24	26	26	27	27	27	27
Panama	39	40	40	40	40	40	40	34	34	35	34	34	35
Puerto Rico	5	5	4	4	4	4	4	3	3	3	3	2	2
Saint Lucia	1	1	1	1	1	1	1	1	1	1	1	1	1
St.Vincent	3	3	3	3	3	3	3	3	3	3	3	3	3
Trinidad Tob.	5	5	5	5	5	5	5	4	4	3	3	3	3

continued

25

TABLE 1 (CONTINUED)
Cassava production 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
SOUTH AMERICA	21052	22934	25415	27890	28727	28476	31212	33048	34246	33949	35138	34680
Argentina	225	243	231	240	260	241	303	273	301	292	295	244
Bolivia	148	135	138	140	150	160	180	200	213	221	234	242
Brazil	18058	19843	22249	24356	24993	24710	27268	29203	30074	29464	30229	29829
Colombia	650	780	800	700	800	840	850	886	950	1200	1990	2010
Ecuador	221	212	209	189	254	276	323	234	390	371	383	377
French Guiana	8	9	6	6	6	5	5	6	7	3	4	4
Paraguay	994	997	1000	1449	1512	1437	1460	1504	1549	1580	1196	1208
Peru	407	390	438	497	449	487	507	399	450	498	482	446
Suriname	2	2	2	2	2	1	1	1	2	2	2	2
Venezuela	339	323	342	312	301	320	316	341	310	317	323	318
ASIA	17975	18714	19095	20237	20722	20030	20233	22510	22511	23128	23117	24766
Brunei Darus.	2	2	1	1	1	1	1	2	2	2	3	3
Burma	4	5	4	4	5	10	8	13	15	14	12	10
China	940	1000	950	1000	1100	1100	1200	1400	1500	1600	1800	1900
East Timor	10	16	13	9	9	15	8	17	23	18	17	7
India	1969	1892	1757	2823	3033	3467	3817	4644	4636	5214	5130	6026
Indonesia	11190	11386	11679	12262	12643	11232	10747	11356	10917	10478	10690	10385
Kampuchea Dm.	14	13	13	15	30	19	23	40	27	30	15	21
Laos	10	11	11	9	10	10	11	12	13	15	17	20
Malaysia	125	150	174	146	165	199	206	199	204	288	245	302
Philippines	495	458	596	646	614	529	482	487	442	427	440	445
Singapore	3	3	3	3	3	3	3	4	4	3	3	3
Sri Lanka	297	282	312	369	328	289	383	425	403	354	372	318
Taiwan	226	224	217	242	265	264	299	342	316	308	290	325
Thailand	1726	2077	2111	1557	1475	1892	2062	2611	3079	3431	3114	3974
Viet Nam	965	1196	1253	1150	1040	1000	982	960	930	945	970	1027
OCEANIA	161	168	177	180	180	186	186	190	193	197	202	205
Cook Islands	5	5	5	5	5	4	4	4	4	4	4	4
Fiji	80	80	80	80	78	82	82	83	84	85	87	88
Fr. Polynesia	5	5	5	5	5	6	6	6	6	6	6	6
New Cadelonia	3	4	4	5	5	5	4	4	4	4	4	4
Pacific Is.	5	5	5	5	5	5	5	5	5	6	6	6
Papua N. Guinea	53	55	57	59	61	63	65	67	70	72	75	77
Solomon Is.	0	0	0	0	0	0	1	1	1	1	1	1
Tonga	7	12	18	19	19	19	18	18	18	18	17	17
Wallis Etc.	2	2	2	2	2	2	2	2	2	2	2	2
DEVELOPING NATIONS	71018	74410	77894	82262	85173	84340	88276	92881	95382	97806	98476	101052
DEVELOPED NATIONS	0	0	0	0	0	0	0	0	0	0	0	0

26

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
SOUTH AMERICA	31149	30079	31233	30448	31050	30626	30055	29051	29971	29239	26913	26710	28815
Argentina	177	299	300	225	183	182	183	222	200	216	139	140	140
Bolivia	245	270	285	305	294	211	201	219	191	288	180	280	376
Brazil	26527	24798	26118	25443	25929	25459	24982	23466	24516	24072	21848	21466	23111
Colombia	1998	2128	2021	1848	1973	2044	1909	2150	2150	1552	1555	1388	1435
Ecuador	355	424	354	348	224	168	183	229	237	184	195	239	234
French Guiana	4	4	9	8	8	8	8	8	8	8	8	8	8
Paraguay	1108	1395	1428	1573	1719	1838	1888	2031	2012	2111	2300	2500	2861
Peru	460	469	400	402	414	410	403	400	327	504	361	358	337
Suriname	2	2	2	2	2	2	3	2	2	3	3	4	4
Venezuela	272	293	317	295	304	304	315	325	327	301	325	331	310
ASIA	28161	30938	31430	35771	38659	43919	40438	46311	47148	45583	46459	49873	49727
Brunei Darus.	2	2	2	2	2	1	1	1	1	0	1	1	1
Burma	15	39	15	15	22	28	23	50	54	63	63	63	64
China	2000	2000	2100	2200	2200	2300	2500	3300	3500	3600	3800	4000	3800
East Timor	20	17	0	0	0	0	0	0	0	0	0	0	0
India	6371	6421	6326	6638	6375	5688	6050	5845	5868	5292	5341	5886	5569
Indonesia	11186	13031	12546	12191	12488	12902	13751	13774	13300	12988	12229	14205	13762
Kampuchea Dm.	23	27	56	80	112	133	143	150	145	61	90	95	100
Laos	23	24	20	34	44	55	60	68	70	72	74	76	80
Malaysia	327	345	336	360	370	340	350	330	360	375	370	360	370
Philippines	480	608	685	1154	1711	1782	2254	2277	2255	1987	2000	1551	2117
Singapore	2	2	1	1	1	1	1	1	1	1	0	0	0
Sri Lanka	616	707	780	748	557	586	535	499	526	573	722	683	750
Taiwan	328	376	279	294	275	250	226	185	159	118	80	68	70
Thailand	5668	6240	7094	10230	11840	16358	11101	16540	17744	17788	18989	19985	20044
Viet Nam	1100	1100	1191	1824	2663	3495	3444	3290	3165	2665	2700	2900	3000
OCEANIA	209	211	213	216	219	222	225	228	232	230	227	230	243
Cook Islands	4	4	4	4	4	4	4	4	4	4	4	4	4
Fiji	89	90	91	91	92	92	93	94	94	90	85	87	97
Fr. Polynesia	6	6	6	6	7	7	7	7	7	6	5	5	5
New Cadelonia	4	3	1	2	2	2	3	3	3	3	3	3	3
Pacific Is.	7	7	8	8	8	9	9	10	10	10	10	10	10
Papua N. Guinea	80	82	84	86	88	90	92	94	96	98	100	101	103
Solomon Is.	0	1	1	1	1	1	1	1	1	1	1	1	1
Tonga	17	17	16	16	15	15	14	13	14	15	16	16	17
Wallis Etc.	2	2	2	2	2	2	2	2	2	2	2	2	2
DEVELOPING COUNTRIES	101341	104679	110186	114256	117731	121275	117201	124882	127941	127520	125250	133897	136230
DEVELOPED COUNTRIES	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES: Derived from FAO, Basic Data Unit, Production Account (unpublished, May 1986 update). Includes countries producing 500 tons or more during one or more years in the period. Regional totals include figures for countries not listed. All calculations were done with unrounded numbers.

TABLE 2
Cassava area, 1961-1985 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	9144	9610	10006	10161	10512	10354	10717	10902	11088	11165	11566	11782
AFRICA	5096	5431	5488	5591	5731	5730	5876	5870	6005	6119	6363	6399
Angola	110	110	110	110	115	115	115	120	120	120	123	123
Benin	74	82	84	90	98	91	75	70	108	116	108	101
Burkina Faso	5	5	5	5	5	5	5	5	5	5	5	5
Burundi	36	36	36	38	38	38	40	40	40	36	36	35
Cameroon	140	400	410	420	430	450	460	470	396	416	458	479
Cape Verde	1	1	1	1	1	0	1	1	1	0	0	0
Cent.Afr.Rep.	220	200	200	200	200	236	243	249	255	262	268	275
Chad	4	5	10	15	18	22	28	35	40	44	45	45
Comoros	18	18	20	20	23	21	22	22	22	23	23	24
Congo	95	95	95	100	100	94	96	97	97	100	100	98
Cote d'Ivoire	153	176	210	220	227	192	202	200	164	163	170	175
Eq.Guinea	15	15	12	12	12	13	13	15	15	15	17	17
Gabon	40	43	43	43	43	43	43	43	44	44	45	45
Gambia	1	1	1	1	2	2	2	2	2	2	2	2
Ghana	140	140	159	163	150	186	183	172	200	210	210	220
Guinea	60	60	60	60	60	60	65	65	70	70	71	72
Kenya	55	56	57	58	59	60	61	62	63	64	65	56
Liberia	62	62	64	63	64	70	72	77	77	78	81	77
Madagascar	160	164	164	164	173	170	173	177	184	185	195	195
Malawi	21	21	20	20	19	20	20	20	15	14	17	23
Mali	8	8	6	5	5	5	5	5	5	5	5	5
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	430	430	430	430	430	430	430	430	449	450	450	450
Niger	16	17	16	17	19	21	24	27	28	24	24	19
Nigeria	780	865	801	870	829	910	958	902	906	857	920	960
Reunion	1	1	1	1	0	1	1	0	0	0	0	0
Rwanda	21	22	47	14	15	20	23	26	28	29	31	29
Sao Tome Prn.	0	0	0	0	0	0	0	0	0	0	0	0
Senegal	36	38	34	33	38	64	63	63	39	39	31	41
Seychelles	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	20	20	20	21	18	20	19	16	15	17	17	17
Somalia	2	2	2	2	2	2	2	2	2	2	2	2
Sudan	60	60	60	60	60	60	54	47	44	37	36	35
Tanzania	570	580	590	600	610	620	625	660	715	700	670	720
Togo	25	25	25	26	28	30	29	30	30	31	33	28
Uganda	317	264	286	240	359	217	253	227	300	400	508	375
Zaire	1340	1350	1350	1410	1420	1380	1410	1430	1460	1493	1527	1571
Zambia	46	46	46	46	46	47	48	48	50	52	53	53
Zimbabwe	14	14	14	14	14	15	15	15	15	15	16	16
N. & C. AMERICA	112	113	115	116	123	124	128	130	139	143	146	150
Bahamas	0	0	0	0	0	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0	0	0	0	0	0
Costa Rica	2	2	2	2	2	2	2	2	2	2	2	2
Cuba	24	24	25	25	28	28	30	30	33	33	33	33
Dominica	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	28	30	29	30	30	30	30	31	33	34	36	39
El Salvador	1	1	1	1	1	1	1	1	2	1	1	1
Guadeloupe	1	1	0	0	0	1	0	0	0	0	0	0
Guatemala	2	2	2	2	2	2	2	2	2	2	2	2
Haiti	40	40	42	42	45	45	47	47	50	51	52	52
Honduras	4	4	4	4	4	4	4	5	5	4	4	4
Jamaica	1	1	1	1	1	2	1	1	2	2	2	2
Martinique	0	0	0	0	0	0	0	0	0	0	0	0
Mexico	2	2	2	2	2	2	2	2	2	2	2	2
Nicaragua	3	3	3	3	3	4	4	4	4	4	5	5
Panama	2	2	2	2	2	2	2	2	2	4	4	4
Puerto Rico	3	2	2	2	2	2	2	1	1	1	1	1
Saint Lucia	0	0	0	0	0	0	0	0	0	0	0	0
St.Vincent	0	0	0	0	0	0	0	0	0	0	0	0
Trinidad Tob.	0	0	0	0	0	0	0	0	0	0	0	0

continued

28

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	12239	12605	12697	12805	13236	13741	13321	13386	13702	13790	13430	14085	13956
AFRICA	6684	6913	7042	6845	6921	7089	6923	6832	6966	7237	7112	7554	7492
Angola	123	124	120	120	120	120	130	130	130	130	130	130	130
Benin	97	97	77	79	85	111	113	88	94	94	87	99	116
Burkina Faso	5	5	6	6	6	6	6	6	6	6	6	6	6
Burundi	37	34	39	39	39	40	39	39	39	40	40	45	45
Cameroon	475	500	478	508	515	545	553	402	397	383	390	400	410
Cape Verde	0	0	1	1	1	1	1	1	1	0	0	0	0
Cent.Afr.Rep.	283	302	286	290	305	315	310	300	287	300	290	300	310
Chad	45	45	47	47	48	49	50	55	60	65	65	65	67
Comoros	25	25	26	26	27	27	28	28	28	29	29	30	32
Congo	100	105	100	82	102	98	95	91	94	94	94	94	94
Cote d'Ivoire	186	185	170	185	193	204	212	219	229	235	249	230	270
Eq.Guinea	18	19	20	20	21	22	22	22	23	23	24	25	25
Gabon	46	47	46	40	40	40	40	41	40	41	42	42	42
Gambia	3	3	3	3	3	2	2	2	2	2	2	2	2
Ghana	224	225	285	250	232	235	219	230	210	260	210	436	290
Guinea	85	86	87	88	89	90	68	69	85	70	71	70	71
Kenya	67	68	70	74	79	80	80	81	42	75	70	61	60
Liberia	71	70	72	76	79	82	82	85	87	87	87	87	87
Madagascar	189	191	203	216	213	273	267	277	287	314	329	336	351
Malawi	35	38	40	41	42	43	44	45	45	45	46	46	46
Mali	5	5	5	6	6	7	7	7	7	8	8	9	8
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	500	500	550	550	600	600	602	600	600	600	500	550	570
Niger	24	31	35	22	21	26	28	21	26	26	25	25	26
Nigeria	970	1000	1050	1080	1100	1100	1150	1200	1200	1250	1150	1250	1200
Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0
Rwanda	30	29	32	35	37	40	40	46	45	46	47	40	43
Sao Tome Prn.	0	0	0	0	0	0	0	0	0	0	0	0	0
Senegal	29	33	37	25	19	17	8	8	8	9	6	6	4
Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	17	17	17	17	18	20	20	25	28	30	31	30	31
Somalia	2	3	3	3	3	3	3	3	3	3	3	3	3
Sudan	34	34	43	38	38	42	50	45	45	45	45	45	46
Tanzania	780	870	700	550	450	450	450	450	450	450	450	450	450
Togo	21	21	21	22	21	23	28	22	23	23	20	10	15
Uganda	483	485	618	512	540	529	303	302	300	350	400	400	410
Zaire	1507	1648	1688	1724	1759	1778	1800	1818	1968	2026	2086	2150	2150
Zambia	53	53	53	53	53	53	55	55	59	60	60	61	61
Zimbabwe	16	17	16	17	17	17	18	19	18	19	19	20	20
N. & C. AMERICA	151	151	155	154	161	169	162	154	158	151	155	159	161
Bahamas	0	0	0	0	0	0	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0	0	0	0	0	0	0
Costa Rica	2	3	2	2	2	3	5	5	5	5	5	5	5
Cuba	34	35	36	37	38	45	46	47	48	49	46	46	46
Dominica	0	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	39	38	38	34	37	37	24	16	18	10	17	20	23
El Salvador	1	1	2	1	1	2	2	2	2	2	2	2	2
Guadeloupe	0	0	0	0	0	0	0	0	0	0	0	0	0
Guatemala	2	3	3	3	3	3	2	2	3	3	3	3	3
Haiti	52	52	55	56	57	58	63	63	63	64	65	65	65
Honduras	3	3	3	3	3	3	3	1	1	1	0	0	0
Jamaica	2	2	2	2	3	3	3	3	2	2	2	2	2
Martinique	0	0	0	0	0	0	0	0	0	0	0	0	0
Mexico	3	3	3	4	4	2	2	2	2	2	2	2	2
Nicaragua	5	5	5	6	6	6	6	7	7	7	7	7	7
Panama	5	5	5	5	5	5	5	5	5	5	5	5	5
Puerto Rico	1	1	1	1	1	0	0	0	0	0	0	0	0
Saint Lucia	0	0	0	0	0	0	0	0	0	0	0	0	0
St.Vincent	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinidad Tob.	0	0	0	0	0	0	0	0	0	0	0	0	0

continued

TABLE 2 (CONTINUED)

Cassava area, 1961-1985 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
SOUTH AMERICA	1698	1807	1959	2077	2128	2152	2301	2398	2442	2434	2572	2558
Argentina	18	20	19	21	23	21	25	25	25	26	26	24
Bolivia	13	13	13	13	13	13	15	17	17	18	18	18
Brazil	1381	1476	1618	1716	1750	1780	1914	1998	2029	2025	2071	2053
Colombia	115	138	142	125	142	142	144	152	155	150	249	251
Ecuador	25	23	27	24	25	28	27	27	35	35	37	41
French Guiana	1	1	1	1	1	1	1	1	1	0	1	1
Paraguay	70	71	71	103	108	102	97	101	103	103	95	93
Peru	41	39	44	50	41	40	42	37	38	39	36	36
Suriname	0	0	0	0	0	0	0	0	0	0	0	0
Venezuela	34	26	25	25	25	26	35	41	39	39	40	41
ASIA	2223	2243	2428	2359	2514	2333	2395	2488	2485	2451	2467	2658
Brunel Darus.	0	0	0	0	0	0	0	0	0	0	0	0
Burma	0	0	0	0	1	1	1	1	1	1	1	1
China	80	85	85	90	90	95	100	120	130	140	150	160
East Timor	4	6	5	5	4	6	4	5	7	7	7	8
India	274	265	247	244	240	271	290	347	359	353	345	354
Indonesia	1478	1449	1598	1579	1754	1514	1524	1503	1467	1398	1406	1468
Kampuchea Dm.	1	1	1	1	2	1	2	3	3	3	1	2
Laos	1	2	2	1	1	1	1	1	1	1	1	1
Malaysia	14	16	19	15	17	22	23	22	23	31	28	28
Philippines	93	80	94	93	90	87	84	86	83	82	83	87
Singapore	0	0	0	0	0	0	0	0	0	0	0	0
Sri Lanka	39	34	49	45	53	49	71	73	69	60	68	59
Taiwan	17	18	17	17	18	17	19	21	22	21	20	21
Thailand	99	122	139	105	101	129	140	170	189	224	220	325
Viet Nam	122	164	172	163	143	139	137	135	132	131	136	142
OCEANIA	16	16	16	16	16	17	17	17	17	17	17	18
Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0
Fiji	7	7	7	7	7	7	7	7	7	7	7	7
Fr. Polynesia	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	0	1	1	1	1	1	0	1	0	0	0	0
Pacific Is.	1	0	0	0	0	1	1	1	1	1	1	1
Papua N. Guinea	5	6	6	6	6	6	7	7	7	7	7	8
Solomon Is.	0	0	0	0	0	0	0	0	0	0	0	0
Tonga	1	1	1	1	1	1	1	1	1	1	1	1
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	9144	9610	10006	10161	10512	10354	10717	10902	11088	11165	11566	11782
DEVELOPED NATIONS	0	0	0	0	0	0	0	0	0	0	0	0

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
SOUTH AMERICA	2580	2518	2545	2585	2668	2624	2595	2501	2552	2585	2515	2287	2366
Argentina	20	23	20	22	21	22	21	23	22	24	16	16	16
Bolivia	19	21	22	22	23	15	16	18	18	23	15	33	41
Brazil	2104	2006	2041	2084	2176	2149	2111	2016	2067	2122	2061	1816	1867
Colombia	250	250	257	233	218	217	222	208	207	171	173	153	157
Ecuador	36	49	35	33	31	24	20	25	26	20	20	24	26
French Guiana	1	1	1	1	1	1	1	1	1	1	1	1	1
Paraguay	80	90	97	107	116	120	126	136	135	141	155	170	186
Peru	37	38	36	36	37	36	35	33	32	44	33	33	32
Suriname	0	0	0	0	0	0	0	0	0	0	0	1	1
Venezuela	34	40	37	37	45	41	43	41	43	39	41	41	39
ASIA	2806	3005	2937	3202	3467	3840	3622	3879	4006	3797	3629	4065	3915
Brunei Darus.	0	0	0	0	0	0	0	0	0	0	0	0	0
Burma	1	4	2	2	2	3	3	3	6	6	5	5	5
China	170	170	180	180	190	200	200	226	230	235	240	240	240
East Timor	8	8	0	0	0	0	0	0	0	0	0	0	0
India	363	368	388	392	386	358	362	352	321	323	302	319	308
Indonesia	1429	1509	1410	1353	1364	1383	1439	1412	1388	1324	1272	1339	1255
Kampuchea Dm.	3	3	6	10	15	19	22	25	25	10	10	13	15
Laos	2	2	1	2	3	4	4	5	5	5	5	5	6
Malaysia	21	22	27	36	36	33	34	32	35	35	36	30	35
Philippines	95	90	119	145	178	182	192	204	211	224	225	216	260
Singapore	0	0	0	0	0	0	0	0	0	0	0	0	0
Sri Lanka	115	182	165	151	96	74	54	51	56	59	55	57	56
Taiwan	21	24	19	18	18	17	15	12	11	8	5	5	6
Thailand	428	473	460	680	830	1150	830	1117	1243	1087	1018	1335	1229
Viet Nam	150	150	160	232	350	417	468	439	475	480	485	500	500
OCEANIA	18	18	18	19	19	19	20	20	20	21	20	21	21
Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0
Fiji	7	8	8	8	8	8	8	8	8	8	8	8	8
Fr.Polynesia	0	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	0	0	0	0	0	0	0	0	0	0	0	1	0
Pacific Is.	1	1	1	1	1	1	1	1	1	1	1	1	1
Papua N.Guinea	8	8	8	8	8	8	9	9	9	9	9	10	10
Solomon Is.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tonga	1	1	1	1	1	1	1	1	1	1	1	1	1
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	12239	12605	12697	12805	13236	13741	13321	13386	13702	13790	13430	14085	13956
DEVELOPED NATIONS	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES: See Table 1.

21

TABLE 3
Cassava yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	8	8	8	8	8	8	8	9	9	9	9	9
AFRICA	6	6	6	6	6	6	6	6	6	6	6	6
Angola	11	12	12	12	12	13	13	13	13	13	13	13
Benin	4	4	4	4	4	6	6	6	5	4	6	6
Burkina Faso	6	5	5	5	5	5	6	6	6	6	6	6
Burundi	12	12	12	12	12	12	12	12	12	11	12	11
Cameroon	4	2	2	2	2	2	2	2	2	2	1	2
Cape Verde	5	5	5	5	5	7	6	6	6	5	5	2
Cent. Afr. Rep.	3	4	4	4	4	2	3	3	3	3	3	3
Chad	8	8	5	4	4	3	3	3	3	3	3	3
Comoros	3	3	3	3	3	3	3	3	3	3	3	3
Congo	5	5	5	5	5	5	5	5	5	5	5	5
Cote d'Ivoire	3	3	2	2	2	3	3	3	3	3	3	3
Eq. Guinea	3	3	3	3	3	3	3	3	3	3	3	3
Gabon	7	7	7	7	7	7	7	7	6	6	6	6
Gambia	5	5	5	6	4	4	4	4	4	4	4	3
Ghana	8	8	8	8	9	8	9	8	8	7	7	8
Guinea	8	7	7	8	7	7	7	7	7	7	7	7
Kenya	8	8	8	8	8	8	8	8	8	8	8	8
Liberia	4	4	4	4	4	4	4	3	3	3	3	3
Madagascar	6	6	6	6	7	6	6	6	7	7	6	6
Malawi	7	7	7	7	7	7	7	7	6	6	6	6
Mali	6	6	7	6	6	6	6	7	7	7	8	6
Mauritius	7	9	10	10	10	18	17	17	17	17	16	16
Mozambique	5	5	5	5	5	5	5	5	6	6	6	6
Niger	8	8	8	9	8	7	7	7	7	7	7	5
Nigeria	9	9	10	9	10	9	9	10	10	12	10	10
Reunion	10	10	10	10	8	10	10	8	8	8	10	10
Rwanda	6	6	4	12	12	10	10	9	10	12	12	12
Sao Tome Prn.	10	10	10	10	10	11	10	11	10	11	10	11
Senegal	4	4	5	5	4	4	4	4	5	4	4	4
Seychelles	6	6	6	6	6	6	6	6	6	6	6	6
Sierra Leone	3	3	3	3	4	4	4	4	4	5	5	5
Somalia	10	10	10	10	10	10	10	10	10	11	11	11
Sudan	3	3	3	3	3	3	3	3	3	4	4	4
Tanzania	5	5	5	5	5	5	6	5	5	5	5	5
Togo	16	16	17	17	16	16	17	17	18	18	17	18
Uganda	4	4	4	4	4	4	4	4	5	5	5	7
Zaire	6	7	7	7	7	7	7	7	7	7	7	7
Zambia	3	3	3	3	3	3	3	3	3	3	3	3
Zimbabwe	3	3	3	3	3	3	3	3	3	3	3	3
N. & C. AMERICA	5	5	5	5	6	6	6	6	5	5	5	6
Bahamas	8	8	8	9	9	10	10	10	11	11	11	12
Barbados	30	32	30	31	30	28	28	30	27	27	27	27
Costa Rica	4	4	4	4	4	4	4	4	4	4	4	4
Cuba	7	7	7	7	7	7	7	7	7	7	6	7
Dominica	10	10	10	10	10	10	10	10	10	10	10	10
Dominican Rep	5	5	5	5	5	5	5	5	5	5	5	5
El Salvador	8	8	8	8	8	8	8	8	8	8	12	12
Guadeloupe	10	10	10	10	10	9	10	11	13	11	10	10
Guatemala	3	3	3	3	3	3	3	3	3	3	3	3
Haiti	4	4	4	4	4	4	4	4	4	4	4	4
Honduras	5	6	6	6	6	6	6	7	6	7	7	7
Jamaica	11	11	11	11	11	7	11	8	7	9	8	9
Martinique	15	17	15	15	15	15	15	15	15	15	13	20
Mexico	20	20	20	20	20	20	20	20	20	20	20	20
Nicaragua	4	4	4	4	4	4	4	4	4	4	4	4
Panama	10	10	10	10	10	10	10	10	10	8	8	9
Puerto Rico	2	3	3	3	3	3	4	4	3	4	3	3
Saint Lucia	4	4	4	4	4	4	4	4	4	4	4	4
St. Vincent	12	12	12	12	12	12	12	11	15	13	13	13
Trinidad Tob.	9	9	9	9	9	9	9	9	9	9	9	10

continued

52

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	8	8	9	9	9	9	9	9	9	9	9	10	10
AFRICA	6	6	7	7	7	6	7	7	7	7	7	7	8
Angola	13	14	14	15	15	14	14	14	15	15	15	15	15
Benin	6	6	7	8	7	7	6	7	6	6	7	7	7
Burkina Faso	4	6	6	6	7	7	7	7	7	7	7	6	7
Burundi	12	10	11	11	12	13	10	10	12	11	11	11	12
Cameroon	2	2	2	2	2	1	1	2	2	1	2	2	2
Cape Verde	5	5	5	6	6	3	4	3	5	4	5	7	8
Cent.Afr.Rep.	3	3	3	3	3	3	3	3	3	3	3	3	3
Chad	3	3	3	3	4	4	4	4	4	4	4	4	4
Comoros	3	3	3	3	3	3	3	3	3	3	3	3	3
Congo	5	5	6	7	6	6	6	7	7	7	6	6	6
Cote d'Ivoire	3	3	6	5	5	5	5	6	5	5	5	5	6
Eq.Guinea	3	2	2	2	2	2	2	2	2	2	2	2	2
Gabon	6	6	6	6	5	6	6	6	6	6	6	6	6
Gambia	3	3	3	3	3	3	3	3	3	3	3	3	3
Ghana	7	7	7	7	8	8	8	8	8	8	8	9	8
Guinea	7	7	7	7	7	7	7	7	6	7	7	7	7
Kenya	8	8	8	8	8	8	8	8	5	5	4	10	7
Liberia	4	4	4	4	4	4	4	4	4	4	4	4	4
Madagascar	6	7	6	6	7	6	6	6	6	6	6	6	6
Malawi	7	7	7	7	7	7	7	6	7	7	6	7	7
Mali	6	7	8	8	8	8	9	9	9	9	9	9	9
Mauritius	18	16	18	17	17	18	20	17	25	13	15	16	14
Mozambique	5	5	5	5	5	5	5	5	5	5	6	6	6
Niger	7	6	5	9	9	8	8	8	7	7	7	7	7
Nigeria	10	10	10	10	10	10	9	9	9	9	9	9	11
Reunion	10	10	10	10	10	10	10	10	10	10	10	10	10
Rwanda	12	13	12	12	12	9	16	12	12	13	14	8	8
Sao Tome Prn.	10	11	11	11	10	11	11	11	11	11	11	11	11
Senegal	5	4	3	3	4	5	3	3	4	4	3	3	3
Seychelles	6	7	6	6	5	5	5	5	5	5	5	5	5
Sierra Leone	5	5	5	5	5	4	5	4	3	3	3	3	4
Somalia	11	11	11	11	11	11	11	11	11	11	11	11	11
Sudan	4	3	3	3	2	2	3	3	3	3	3	3	3
Tanzania	5	5	8	10	11	11	11	13	13	11	12	12	12
Togo	20	21	21	20	19	14	13	20	18	16	18	45	29
Uganda	4	5	5	6	6	4	4	7	10	9	10	10	10
Zaire	7	7	7	7	7	7	7	7	7	7	7	7	7
Zambia	3	3	3	3	3	3	3	3	3	3	4	3	3
Zimbabwe	3	3	3	3	3	3	3	3	3	3	4	4	4
N. & C. AMERICA	6	6	6	6	6	6	5	5	5	6	6	6	6
Bahamas	12	13	13	13	13	13	13	13	13	13	14	14	14
Barbados	26	26	26	25	25	25	25	24	24	24	24	24	24
Costa Rica	5	4	6	7	7	5	3	4	4	4	5	4	4
Cuba	7	7	7	7	7	7	7	7	7	7	7	7	7
Dominica	10	10	10	10	10	10	10	10	10	10	10	10	10
Dominican Rep	5	5	5	5	5	5	5	5	5	7	6	6	5
El Salvador	12	12	9	9	10	10	12	12	12	12	13	15	13
Guadeloupe	10	10	10	10	8	8	8	9	9	9	9	14	9
Guatemala	3	3	3	3	3	3	3	3	3	4	4	4	4
Haiti	4	4	4	4	4	5	4	4	4	4	4	4	4
Honduras	4	3	3	3	3	3	3	6	5	8	19	18	18
Jamaica	8	8	9	9	9	9	9	9	9	9	9	9	9
Martinique	20	20	20	7	3	5	3	3	3	3	3	3	3
Mexico	20	20	19	17	16	16	13	10	14	18	18	18	18
Nicaragua	4	4	4	4	4	4	4	4	4	4	4	4	4
Panama	9	9	9	9	9	8	8	7	7	7	7	7	7
Puerto Rico	3	3	8	7	7	8	8	8	8	8	8	8	7
Saint Lucia	4	4	4	4	4	4	3	3	3	3	3	3	3
St.Vincent	13	12	12	12	12	12	12	12	12	12	12	11	11
Trinidad Tob.	12	12	12	13	13	13	13	12	12	13	13	12	12

continued

23

TABLE 3 (CONTINUED)
Cassava yield, 1961-65 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
SOUTH AMERICA	12	13	13	13	13	13	14	14	14	14	14	14
Argentina	13	12	12	12	11	12	12	11	12	11	12	10
Bolivia	12	10	11	11	11	12	12	12	13	13	13	13
Brazil	13	13	14	14	14	14	14	15	15	15	15	15
Colombia	6	6	6	6	6	6	6	6	6	8	8	8
Ecuador	9	9	8	8	10	10	12	9	11	11	10	9
French Guiana	7	7	8	8	8	8	8	8	8	8	7	7
Paraguay	14	14	14	14	14	14	15	15	15	15	13	13
Peru	10	10	10	10	11	12	12	11	12	13	13	12
Suriname	8	9	8	8	9	6	6	6	6	8	7	7
Venezuela	10	13	14	13	12	13	9	8	8	8	8	8
ASIA	8	8	8	9	8	9	8	9	9	9	9	9
Brunei Darus.	6	6	5	5	6	6	6	6	8	8	8	8
Burma	11	10	10	11	11	11	10	10	11	11	10	10
China	12	12	11	11	12	12	12	12	12	11	12	12
East Timor	3	3	3	2	2	2	2	3	3	3	2	1
India	7	7	7	12	13	13	13	13	13	15	15	17
Indonesia	8	8	7	8	7	7	7	8	7	7	8	7
Kampuchea Dm.	12	15	13	19	17	17	11	12	10	11	11	11
Laos	10	7	7	10	10	13	14	13	13	14	14	15
Malaysia	9	9	9	10	10	9	9	9	9	9	9	11
Philippines	5	6	6	7	7	6	6	6	5	5	5	5
Singapore	13	14	14	14	13	13	13	12	11	11	10	8
Sri Lanka	8	8	6	8	6	6	5	6	6	6	6	5
Taiwan	13	12	13	14	14	15	16	16	15	15	15	16
Thailand	17	17	15	15	15	15	15	15	16	15	14	12
Viet Nam	8	7	7	7	7	7	7	7	7	7	7	7
OCEANIA	10	11	11	11	11	11	11	11	11	11	12	12
Cook Islands	36	36	36	37	37	30	30	37	28	27	27	36
Fiji	11	11	11	11	11	12	12	11	12	12	12	12
Fr. Polynesia	17	17	17	17	17	18	18	17	18	18	18	18
New Caledonia	7	7	7	8	8	8	8	8	8	8	8	8
Pacific Is.	10	11	11	11	11	10	10	10	9	9	9	9
Papua N. Guinea	10	10	10	10	10	10	10	10	10	10	10	10
Solomon Is.	8	8	8	8	8	8	9	8	9	9	9	8
Tonga	5	8	13	14	14	14	14	14	14	14	14	14
Wallis Etc.	9	9	9	9	9	9	9	9	10	10	10	10
DEVELOPING NATIONS	8	8	8	8	8	8	8	9	9	9	9	9
DEVELOPED NATIONS	...	...	...	...	...	...	...	...	...	...	...	...

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
SOUTH AMERICA	12	12	12	12	12	12	12	12	12	11	11	12	12
Argentina	9	13	15	10	9	8	9	10	9	9	9	9	9
Bolivia	13	13	13	14	13	14	13	12	11	13	12	8	9
Brazil	13	12	13	12	12	12	12	12	12	11	11	12	12
Colombia	8	9	8	8	9	9	9	10	10	9	9	9	9
Ecuador	10	9	10	11	7	7	9	9	9	9	10	10	9
French Guiana	7	7	11	10	10	10	10	11	11	11	11	11	11
Paraguay	14	15	15	15	15	15	15	15	15	15	15	15	15
Peru	12	12	11	11	11	11	11	12	10	11	11	11	10
Suriname	7	7	5	6	6	8	7	5	5	7	6	6	6
Venezuela	8	7	8	8	7	7	7	8	8	8	8	8	8
ASIA	10	10	11	11	11	11	11	12	12	12	13	12	13
Brunei Darus.	8	8	8	8	8	8	8	8	8	8	10	8	8
Burma	10	11	9	9	9	9	9	16	10	11	12	12	12
China	12	12	12	12	12	12	13	15	15	15	16	17	16
East Timor	2	2	...	...	...	...	...	...	...	...	...	...	...
India	18	17	16	17	17	16	17	17	18	16	18	18	18
Indonesia	8	9	9	9	9	9	10	10	10	10	10	11	11
Kampuchea Dm.	9	9	9	8	7	7	7	6	6	6	9	7	7
Laos	15	15	15	15	16	15	15	15	15	15	15	14	14
Malaysia	16	16	12	10	10	10	10	10	10	11	10	12	11
Philippines	5	7	6	8	10	10	12	11	11	9	9	7	8
Singapore	8	11	11	11	11	11	11	11	11	11	11	11	11
Sri Lanka	5	4	5	5	6	8	10	10	9	10	13	12	13
Taiwan	16	16	15	16	16	15	15	15	14	14	15	14	12
Thailand	13	13	15	15	14	14	13	15	14	16	19	15	16
Viet Nam	7	7	7	8	8	8	7	7	7	6	6	6	6
OCEANIA	12	12	12	12	12	12	11	11	11	11	11	11	12
Cook Islands	26	28	32	32	32	32	32	32	32	33	32	32	33
Fiji	12	12	12	12	12	12	12	12	12	11	11	11	12
Fr. Polynesia	18	19	19	19	19	19	19	19	18	20	17	17	17
New Caledonia	8	8	6	8	8	9	9	9	9	7	7	6	7
Pacific Is.	9	9	9	9	9	9	9	9	9	9	9	9	9
Papua N. Guinea	11	11	11	11	11	11	11	11	11	11	11	11	11
Solomon Is.	7	8	9	9	11	11	12	12	13	14	14	14	15
Tonga	14	14	14	14	14	13	13	12	13	14	15	15	15
Wallis Etc.	10	10	10	10	10	10	10	10	10	10	10	10	10
DEVELOPING NATIONS	8	8	9	9	9	9	9	9	9	9	9	10	10
DEVELOPED NATIONS	...	...	...	...	...	...	...	...	...	...	...	...	...

NOTES: See Table 1.

TABLE 4
Edible aroid production, 1961-85 (000t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	4129	4660	4802	4805	4895	4933	5043	4911	5415	5585	5247	5159
AFRICA	2466	2920	2940	3019	3055	3023	3205	2967	3429	3615	3226	3129
Benin	8	17	18	10	6	8	13	11	13	15	7	6
Burundi	135	135	140	145	145	135	140	145	135	134	137	125
Cent.Afr.Rep.	40	40	40	40	40	40	40	42	47	44	46	47
Chad	5	5	6	6	6	6	6	6	6	6	6	6
Cote d'Ivoire	120	150	152	156	160	160	162	162	178	182	189	195
Egypt	25	21	27	31	33	35	37	43	41	31	32	41
Gabon	40	40	38	38	35	35	35	32	32	30	30	28
Ghana	749	762	775	788	825	964	897	977	999	1136	1136	945
Guinea	27	30	25	20	28	26	27	27	26	28	26	28
Liberia	13	13	13	13	13	13	14	14	14	14	14	13
Madagascar	84	86	87	89	91	92	93	95	97	94	99	89
Mauritius	1	0	1	0	0	0	0	0	0	0	0	0
Nigeria	1147	1545	1551	1621	1602	1433	1648	1327	1725	1791	1400	1500
Rwanda	10	10	10	11	11	10	10	7	34	31	22	24
Sierra Leone	25	25	20	20	20	18	21	19	23	22	23	23
Togo	18	18	17	16	17	18	18	19	19	20	20	20
Zaire	19	22	21	15	23	30	45	42	40	38	39	39
N. & C. AMERICA	71	75	93	94	98	124	98	102	96	75	78	93
Barbados	1	1	1	1	1	1	1	1	1	1	1	1
Cuba	25	25	45	43	47	71	42	43	35	12	14	26
Dominica	13	13	13	13	14	14	14	15	15	15	16	16
Dominican Rp.	23	27	24	26	25	26	27	29	31	32	33	34
Panama	4	5	5	5	5	5	6	6	6	6	6	7
Trinidad Tob.	5	5	5	6	6	7	7	9	9	9	9	9
SOUTH AMERICA	66	70	72	67	72	77	79	80	84	77	85	85
French Guiana	7	9	9	5	5	5	6	4	4	5	9	9
Peru	5	5	5	3	6	9	8	9	12	15	18	23
Venezuela	54	56	58	59	61	63	65	67	69	56	58	53
ASIA	1306	1366	1464	1388	1426	1462	1417	1510	1551	1562	1596	1587
China	700	730	750	750	800	800	820	850	900	900	920	950
Cyprus	4	4	7	8	18	20	18	15	8	5	6	6
Japan	484	508	581	493	478	521	459	527	524	542	558	520
Korea Rep.	1	1	1	0	1	0	0	1	1	1	1	2
Lebanon	1	1	1	1	1	1	1	1	2	2	2	2
Maldives	0	0	0	0	0	0	0	0	0	1	1	0
Philippines	94	101	104	112	106	99	97	96	93	91	88	86
Taiwan	22	21	20	24	22	21	21	20	23	20	21	20
Thailand	0	0	0	0	0	0	0	0	0	0	1	1
OCEANIA	221	229	234	237	245	248	243	251	254	256	262	266
American Samoa	3	3	3	3	3	3	3	4	5	3	4	4
Fiji	36	36	36	34	37	34	28	30	30	31	31	32
Kiribati	1	1	1	1	1	1	1	1	1	1	1	1
New Caledonia	3	3	3	3	3	3	3	3	3	3	3	3
Niue	1	1	1	1	1	1	1	1	1	1	1	1
Papua N.Guinea	121	125	129	134	138	143	145	147	149	152	154	156
Samoa	20	21	21	22	22	23	23	25	25	25	27	27
Solomon Is.	10	10	11	11	11	12	12	12	12	12	12	13
Tonga	24	27	27	27	27	27	27	28	27	27	28	28
Wallis Etc.	2	2	2	2	2	2	2	2	2	2	2	2
DEVELOPING NATIONS	3645	4153	4222	4312	4417	4413	4583	4384	4891	5043	4689	4640
DEVELOPED NATIONS	484	508	581	493	478	521	459	527	524	542	558	520

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	5783	6032	5715	5617	5735	5832	5988	5878	5683	5552	5463	5741	5797
AFRICA	3875	4062	3777	3588	3414	3447	3515	3469	3373	3222	3092	3279	3473
Benin	8	8	10	12	12	12	12	12	12	12	12	13	13
Burundi	140	112	143	145	148	140	136	95	100	98	100	103	105
Cent.Afr.Rep.	48	48	50	50	51	52	52	52	53	53	55	57	58
Chad	6	6	7	6	6	7	8	8	8	8	8	8	9
Cote d'Ivoire	200	206	263	257	260	275	287	297	205	202	195	202	235
Egypt	38	61	63	77	72	83	89	94	95	91	109	100	100
Gabon	29	32	36	39	39	43	47	50	50	55	55	60	51
Ghana	1325	1510	1100	773	722	726	749	643	631	628	720	730	650
Guinea	28	29	29	29	30	30	30	31	31	31	31	32	32
Liberia	13	15	15	15	15	15	15	15	15	16	16	17	17
Madagascar	86	77	85	84	57	72	76	80	77	78	85	93	94
Mauritius	1	0	0	0	0	0	0	0	0	0	0	0	0
Nigeria	1850	1850	1870	2000	1900	1900	1900	2000	2000	1850	1600	1760	2000
Rwanda	19	20	18	16	19	18	37	30	31	31	35	32	33
Sierra Leone	23	23	23	20	20	20	20	20	20	21	22	21	22
Togo	21	23	22	18	17	17	18	20	20	22	22	21	23
Zaire	41	42	43	46	46	37	30	24	25	27	27	30	32
N. & C. AMERICA	92	100	107	117	164	294	272	230	171	127	127	136	142
Barbados	1	1	1	1	1	1	1	1	1	1	1	1	1
Cuba	20	26	33	44	86	217	196	161	99	50	60	60	58
Dominica	16	17	17	18	19	20	16	17	17	18	18	18	18
Dominican Rp.	37	39	38	36	41	37	41	36	38	38	29	39	47
Panama	8	8	8	8	8	8	8	4	4	9	7	7	7
Trinidad Tob.	10	10	10	10	10	10	10	10	11	11	11	11	11
SOUTH AMERICA	76	78	76	62	68	54	59	58	67	67	72	81	79
French Guiana	10	10	10	3	3	4	5	5	5	5	5	5	5
Peru	24	26	21	22	17	16	17	17	17	17	18	18	18
Venezuela	41	43	45	36	47	33	37	36	45	44	49	58	56
ASIA	1472	1521	1479	1567	1804	1750	1849	1823	1769	1830	1870	1939	1780
China	970	970	980	1000	1200	1200	1200	1200	1220	1250	1300	1400	1200
Cyprus	6	4	5	5	3	3	4	3	2	3	3	3	3
Japan	385	430	370	426	430	341	447	459	386	400	393	347	350
Korea Rep.	1	2	2	3	3	3	3	3	4	4	4	4	4
Lebanon	1	1	1	1	1	1	1	1	1	1	1	1	1
Maldives	1	1	1	1	1	0	1	1	1	2	2	2	2
Philippines	87	89	93	112	124	140	145	111	105	113	115	120	155
Taiwan	20	23	27	18	40	60	48	45	49	58	53	62	65
Thailand	0	1	1	1	2	3	1	1	1	1	1	1	1
OCEANIA	269	272	277	283	285	288	292	297	304	306	302	306	323
American Samoa	4	4	4	4	4	3	2	4	4	4	4	4	4
Fiji	32	33	33	33	33	33	34	34	34	34	25	25	38
Kiribati	1	1	2	2	2	2	2	2	2	2	2	3	3
New Caledonia	3	3	2	2	3	3	3	3	3	3	3	3	3
Niue	1	1	1	1	1	1	1	1	1	1	1	1	1
Papua N.Guinea	158	160	162	164	166	169	172	174	176	178	180	182	184
Samoa	27	27	30	32	32	33	34	35	38	38	37	37	38
Solomon Is.	13	13	14	14	14	14	14	15	15	16	20	21	22
Tonga	28	28	29	29	29	29	29	29	29	29	29	30	30
Wallis Etc.	2	2	2	2	2	2	2	2	2	2	2	2	2
DEVELOPING NATIONS	5398	5602	5345	5192	5304	5492	5541	5419	5297	5152	5070	5394	5447
DEVELOPED NATIONS	385	430	370	426	430	341	447	459	386	400	393	347	350

NOTES: See Table 1.

TABLE 5
Edible aroid area, 1961-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	686	819	789	824	832	816	854	815	891	1070	1032	1061
AFRICA	505	631	595	623	631	611	656	617	690	873	833	853
Benin	1	3	3	1	1	1	2	2	2	3	1	1
Burundi	27	27	27	27	27	27	27	27	27	27	27	25
Cent.Afr.Rep.	16	16	16	16	16	16	15	15	16	16	16	16
Chad	9	9	9	9	9	9	9	10	10	10	10	10
Cote d'Ivoire	130	138	140	142	145	147	149	150	173	182	182	186
Egypt	1	1	1	1	1	1	1	2	2	1	1	2
Gabon	7	7	7	7	7	7	7	7	6	6	6	6
Ghana	100	102	103	105	110	124	122	127	130	260	260	258
Guinea	4	5	4	4	4	4	4	4	4	4	4	4
Liberia	2	2	2	2	2	2	2	2	2	2	2	2
Madagascar	13	13	13	13	13	13	13	13	13	14	15	14
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0
Nigeria	181	295	257	284	282	246	288	243	284	328	290	310
Rwanda	3	3	3	3	3	3	3	2	7	8	5	5
Sierra Leone	4	4	4	4	4	4	4	4	4	4	5	5
Togo	4	4	4	4	4	4	4	4	4	4	4	4
Zaire	3	4	3	3	4	5	7	7	7	6	6	6
N. & C. AMERICA	12	13	17	17	18	22	16	18	16	11	11	17
Barbados	0	0	0	0	0	0	0	0	0	0	0	0
Cuba	6	6	11	10	11	15	9	10	8	3	3	8
Dominica	1	1	1	1	1	1	1	1	1	2	2	2
Dominican Rp.	4	4	4	4	4	4	4	5	5	5	5	5
Panama	1	1	1	1	1	1	1	1	1	1	1	1
Trinidad Tob.	0	0	0	1	1	1	1	1	1	1	1	1
SOUTH AMERICA	13	13	13	13	13	13	13	13	14	12	13	14
French Guiana	1	1	1	1	1	1	1	0	0	0	0	0
Peru	1	1	1	1	1	1	1	2	2	3	3	4
Venezuela	11	11	11	11	11	11	11	11	11	9	9	9
ASIA	124	129	130	136	134	133	132	129	134	135	136	138
China	62	65	65	70	70	70	70	70	75	75	75	80
Cyprus	0	0	1	1	1	1	1	1	1	0	0	0
Japan	40	41	40	40	39	39	39	37	37	39	40	37
Korea Rep.	0	0	0	0	0	0	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0
Maldives	0	0	0	0	0	0	0	0	0	0	0	0
Philippines	18	19	20	21	20	19	19	18	18	17	17	18
Taiwan	4	4	4	4	4	4	3	3	3	3	3	3
Thailand	0	0	0	0	0	0	0	0	0	0	0	0
OCEANIA	33	34	34	35	36	37	36	37	38	38	39	39
American Samoa	1	1	1	1	1	1	1	1	1	1	1	1
Fiji	6	6	6	5	6	5	4	5	5	5	5	5
Kiribati	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	1	1	1	1	1	1	1	1	1	1	1	1
Niue	0	0	0	0	0	0	0	0	0	0	0	0
Papua N.Guinea	18	19	19	20	21	21	22	22	22	23	23	23
Salomom Is.	1	1	1	1	1	1	1	1	1	1	1	1
Samoa	3	3	3	3	3	3	3	4	4	4	4	4
Tonga	3	3	3	3	3	4	4	4	4	4	4	4
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	647	779	749	784	793	777	815	778	854	1031	992	1024
DEVELOPED NATIONS	40	41	40	40	39	39	39	37	37	39	40	37

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	1067	1145	1107	1107	1092	1139	1156	1142	966	979	990	1003	1024
AFRICA	866	940	891	874	851	888	904	895	725	736	745	750	769
Benin	1	1	2	2	2	2	2	2	2	2	2	2	2
Burundi	27	25	27	27	27	27	25	24	24	24	24	24	25
Cent. Afr. Rep.	16	16	17	17	17	17	17	17	18	18	18	18	18
Chad	10	10	10	10	10	10	10	10	10	10	11	10	10
Cote d'Ivoire	191	242	261	273	273	300	313	324	154	153	159	160	160
Egypt	2	3	3	3	2	3	3	3	3	3	3	3	3
Gabon	5	6	6	7	7	8	8	8	8	8	8	8	8
Ghana	261	284	205	167	147	155	158	137	134	146	147	150	124
Guinea	4	4	4	5	5	5	5	5	5	5	5	5	49
Liberia	2	2	2	2	2	2	2	2	2	2	2	2	2
Madagascar	14	12	14	12	9	11	11	12	12	12	13	14	14
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0
Nigeria	315	315	320	330	330	330	330	330	330	330	330	330	330
Rwanda	4	5	5	5	5	5	4	5	7	7	7	7	7
Sierra Leone	5	5	5	5	5	5	5	5	5	5	5	5	5
Togo	4	5	4	4	4	4	4	4	4	4	4	4	4
Zaire	6	7	7	7	7	7	7	8	8	8	8	8	8
N. & C AMERICA	16	18	17	18	25	30	32	27	23	20	19	19	21
Barbados	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuba	7	8	7	8	14	20	21	17	13	10	10	10	10
Dominica	2	2	2	2	2	2	2	2	2	2	2	2	2
Dominican Rp.	6	6	6	6	6	6	6	7	7	7	5	5	7
Panama	1	1	1	1	1	1	1	1	1	1	1	1	1
Trinidad Tob.	1	1	1	1	1	1	1	1	1	1	1	1	1
SOUTH AMERICA	11	12	12	12	11	10	11	10	11	11	12	13	13
French Guiana	0	0	0	0	0	1	0	0	0	0	0	0	0
Peru	4	5	4	4	3	3	3	3	3	3	3	3	3
Venezuela	6	7	8	8	8	7	7	7	7	8	8	9	9
ASIA	134	135	145	161	162	168	167	166	162	167	170	177	175
China	80	83	85	90	91	92	93	95	96	98	100	105	100
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0	0
Japan	33	31	31	31	31	31	31	32	29	29	29	29	29
Korea Rep.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldives	0	0	0	0	0	0	0	0	0	0	0	0	0
Philippines	17	17	26	37	37	38	37	34	32	34	35	36	38
Taiwan	2	3	3	3	3	6	5	4	5	6	6	7	7
Thailand	0	0	0	0	0	0	0	0	0	0	0	0	0
OCEANIA	40	41	41	42	42	43	44	44	45	45	44	45	47
American Samoa	1	1	1	1	1	1	1	1	1	1	1	1	1
Fiji	5	5	5	5	5	5	5	5	5	5	4	4	6
Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	1	1	1	1	1	1	1	1	1	1	1	1	1
Niue	0	1	1	1	1	1	1	1	1	1	1	1	1
Papua N. Guinea	24	24	24	25	25	25	26	26	26	27	27	27	28
Salomon Is.	1	1	1	1	1	1	1	1	1	1	1	1	1
Samoa	4	4	4	5	5	5	5	5	5	5	5	5	5
Tonga	4	4	4	4	4	4	4	4	4	4	4	4	4
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	1034	1113	1076	1076	1061	1108	1125	1110	937	950	961	975	995
DEVELOPED NATIONS	33	31	31	31	31	31	31	32	29	29	29	29	29

NOTES: See Table 1.

TABLE 6
Edible aroid yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	6	6	6	6	6	6	6	6	6	5	5	5
AFRICA	5	5	5	5	5	5	5	5	5	4	4	4
Benin	7	7	7	7	7	7	6	6	5	5	6	5
Burundi	5	5	5	5	5	5	5	5	5	5	5	5
Cent.Afr.Rep.	3	3	3	3	3	3	3	3	3	3	3	3
Chad	1	1	1	1	1	1	1	1	1	1	1	1
Cote d'Ivoire	1	1	1	1	1	1	1	1	1	1	1	1
Egypt	20	25	21	25	26	28	29	26	24	25	25	24
Gabon	6	6	5	6	5	5	5	5	5	5	5	5
Ghana	7	7	8	8	8	8	7	8	8	4	4	4
Guinea	6	7	6	5	7	6	6	6	6	6	6	6
Liberia	7	7	7	7	7	7	8	8	8	8	8	7
Madagascar	6	7	7	7	7	7	7	7	7	7	7	6
Mauritius	8	7	11	11	10	11	13	12	12	10	11	12
Nigeria	6	5	6	6	6	6	6	5	6	5	5	5
Rwanda	4	4	4	4	4	4	4	4	5	4	4	5
Sierra Leone	6	6	5	5	5	5	5	5	5	5	5	5
Togo	5	5	5	4	5	5	5	5	5	5	5	5
Zaire	6	6	6	6	6	6	6	6	6	6	6	6
N. & C AMERICA	6	6	5	5	5	6	6	6	6	7	7	5
Barbados	3	3	3	3	3	3	3	3	3	3	3	3
Cuba	4	4	4	4	4	5	5	4	4	4	5	3
Dominica	10	10	10	10	10	10	10	10	10	10	10	10
Dominican Rp.	7	6	6	6	6	6	7	6	7	7	7	7
Panama	7	6	6	6	6	6	6	6	6	6	6	6
Trinidad Tob.	11	11	11	11	11	11	12	12	12	12	12	12
SOUTH AMERICA	5	5	6	5	5	6	6	6	6	6	7	6
French Guiana	12	15	15	8	8	8	11	10	10	25	27	27
Peru	5	5	5	4	5	6	6	6	6	6	5	5
Venezuela	5	5	5	5	5	6	6	6	6	6	6	6
ASIA	11	11	11	10	11	11	11	12	12	12	12	12
China	11	11	12	11	11	11	12	12	12	12	12	12
Cyprus	14	13	12	12	22	23	23	21	15	19	21	21
Japan	12	13	14	12	12	13	12	14	14	14	14	14
Korea Rep.	8	7	7	6	7	9	9	8	8	8	10	9
Lebanon	11	10	7	8	8	7	5	9	8	8	8	8
Maldives	10	10	10	10	10	10	10	10	10	10	10	10
Phillippines	5	5	5	5	5	5	5	5	5	5	5	5
Taiwan	6	6	5	6	6	6	6	7	8	7	8	8
Thailand	...	...	...	...	...	...	...	...	10	10	10	10
OCEANIA	7	7	7	7	7	7	7	7	7	7	7	7
American Samoa	6	6	6	6	6	6	6	7	9	5	6	6
Fiji	6	6	6	6	6	6	6	6	6	6	6	6
Kiribati	4	4	4	4	4	4	4	4	4	4	4	4
New Caledonia	3	3	3	3	3	3	3	3	3	3	3	3
Niue	5	5	5	5	5	5	5	5	5	5	3	3
Papua N.Guinea	7	7	7	7	7	7	7	7	7	7	7	7
Salomon Is.	22	22	22	23	23	23	23	25	25	24	26	26
Samoa	3	3	4	4	4	4	4	3	3	3	3	3
Tonga	7	8	8	8	8	8	8	8	7	7	7	7
Wallis Etc.	13	13	13	13	13	13	14	14	14	14	14	14
DEVELOPING NATIONS	6	5	6	5	6	6	6	6	6	5	5	5
DEVELOPED NATIONS	12	13	14	12	12	13	12	14	14	14	14	14

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	5	5	5	5	5	5	5	5	6	6	6	6	6
AFRICA	4	4	4	4	4	4	4	4	5	4	4	4	5
Benin	6	7	6	7	7	7	7	7	7	7	7	7	7
Burundi	5	4	5	5	6	5	5	4	4	4	4	4	4
Cent.Afr.Rep.	3	3	3	3	3	3	3	3	3	3	3	3	3
Chad	1	1	1	1	1	1	1	1	1	1	1	1	1
Cote d'Ivoire	1	1	1	1	1	1	1	1	1	1	1	1	1
Egypt	23	24	25	26	30	31	32	32	33	34	32	32	31
Gabon	6	6	6	6	6	6	6	6	6	7	7	7	6
Ghana	5	5	5	5	5	5	5	5	5	4	5	5	5
Guinea	7	7	7	7	7	7	6	7	6	7	7	6	1
Liberia	7	8	8	8	8	8	8	8	8	8	8	8	8
Madagascar	6	6	6	7	6	7	7	7	6	6	6	6	7
Mauritius	14	12	18	13	19	11	8	11	10	11	10	13	10
Nigeria	6	6	6	6	6	6	6	6	6	6	5	5	6
Rwanda	4	4	3	3	3	4	10	6	4	4	5	4	5
Sierra Leone	5	5	5	4	4	4	4	4	4	5	5	5	5
Togo	5	5	6	5	5	5	5	5	5	5	5	5	5
Zaire	6	6	6	6	6	5	4	3	3	3	3	4	4
N. & C. AMERICA	6	6	6	6	7	10	9	8	7	6	7	7	7
Barbados	3	3	3	3	3	3	3	3	3	3	3	3	3
Cuba	3	3	4	5	6	11	9	9	8	5	6	6	6
Dominica	10	10	10	10	10	10	10	10	10	10	10	10	10
Dominican Rp.	7	7	7	6	7	6	7	6	6	6	6	8	7
Panama	7	7	7	7	7	7	7	7	7	7	7	6	6
Trinidad Tob.	12	11	11	11	11	11	11	11	11	11	11	11	11
SOUTH AMERICA	7	7	6	5	6	5	6	6	6	6	6	6	6
French Guiana	25	25	21	7	7	7	11	11	11	11	11	11	11
Peru	5	6	5	6	6	5	6	6	6	6	5	5	5
Venezuela	6	6	6	5	6	5	5	5	6	6	6	6	6
ASIA	11	11	10	10	11	10	11	11	11	11	11	11	10
China	12	12	12	11	13	13	13	13	13	13	13	13	12
Cyprus	22	15	17	17	16	26	27	27	22	24	25	28	27
Japan	12	14	12	14	14	11	14	14	13	14	14	12	12
Korea Rep.	8	9	9	10	9	9	9	9	9	9	9	9	9
Lebanon	15	15	15	15	15	13	14	12	14	16	18	17	17
Maldives	10	10	10	10	10	10	10	10	10	10	10	10	10
Philippines	5	5	4	3	3	4	4	3	3	3	3	3	4
Taiwan	8	9	11	7	13	10	10	10	10	10	9	10	9
Thailand	10	10	10	10	10	10	10	10	10	10	10	10	10
OCEANIA	7	7	7	7	7	7	7	7	7	7	7	7	7
American Samoa	6	6	6	6	6	4	3	6	6	6	6	6	6
Fiji	6	6	6	7	6	7	7	6	6	6	6	6	6
Kiribati	4	5	5	5	5	5	5	5	6	6	6	6	6
New Caledonia	3	3	3	3	3	3	3	3	4	4	4	3	5
Niue	3	1	2	2	2	2	2	2	2	2	2	2	2
Papua N. Guinea	7	7	7	7	7	7	7	7	7	7	7	7	7
Salomom Is.	25	25	28	30	30	31	32	32	35	34	33	34	34
Samoa	3	3	3	3	3	3	3	3	3	3	4	4	4
Tonga	7	7	7	7	7	7	7	7	7	7	7	7	7
Wallis Etc.	14	14	14	14	14	15	15	15	15	15	13	13	13
DEVELOPING NATIONS	5	5	5	5	5	5	5	5	6	5	5	6	5
DEVELOPED NATIONS	12	14	12	14	14	11	14	14	13	14	14	12	12

NOTES: See Table 1.

41

TABLE 7
Potato production, 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	270914	253328	270401	284952	271233	282300	296621	304201	278942	298514	281744	273727
AFRICA	2021	2068	2225	2119	2303	2219	2319	2566	2722	2954	2917	3240
Algeria	244	250	206	188	233	170	204	272	224	262	274	268
Angola	15	15	25	30	30	30	31	32	34	34	34	34
Burundi	31	31	40	40	44	44	45	45	41	45	45	47
Cameroon	20	20	32	39	23	17	25	13	25	26	31	38
Cape Verde	3	3	3	3	3	3	3	3	2	2	1	1
Cent.Afr.Rep.	0	0	1	1	0	0	0	0	0	0	1	0
Chad	8	9	9	10	10	11	11	12	12	12	12	12
Congo	0	0	1	1	1	1	1	2	2	2	2	2
Cote d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	392	355	420	376	441	324	278	472	487	549	451	596
Ethiopia	130	132	134	135	138	143	148	152	156	161	165	170
Kenya	194	194	195	190	190	195	195	195	200	218	200	230
Libya	14	15	13	13	8	9	10	12	12	10	23	49
Madagascar	72	85	92	92	91	96	100	99	97	94	125	134
Malawi	60	62	64	66	68	70	78	80	84	86	83	85
Mauritania	2	2	2	2	2	2	2	2	2	2	2	2
Mauritius	2	2	5	6	4	8	9	10	6	7	9	8
Morocco	150	216	225	188	270	275	205	160	300	275	275	280
Mozambique	11	12	14	17	17	30	36	31	39	40	41	42
Nigeria	18	19	20	21	22	23	23	24	25	24	26	27
Reunion	2	3	3	3	3	3	3	2	2	0	1	2
Rwanda	97	74	66	30	43	57	107	79	129	126	148	131
Senegal	3	4	6	5	5	3	5	5	6	6	1	3
South Africa	332	334	399	399	388	411	484	547	525	617	606	675
Sudan	22	22	24	24	25	25	25	25	26	26	23	20
Swaziland	2	1	1	1	1	2	2	3	4	4	7	5
Tanzania	15	18	20	26	16	18	29	40	26	55	68	60
Tunisia	42	41	52	51	58	68	79	60	61	67	80	100
Uganda	100	110	110	120	120	130	130	140	140	150	128	162
Zaire	17	15	18	18	25	27	28	29	30	28	30	30
Zambia	3	4	3	3	2	2	2	1	3	3	3	3
Zimbabwe	20	22	23	22	22	20	21	20	22	22	23	24
N. & C. AMERICA	15798	14687	14973	13671	15796	16980	16601	16442	17221	17970	17216	16102
Bermuda	1	1	1	1	1	1	1	1	1	1	1	1
Canada	2012	2136	2099	2157	2087	2490	2130	2408	2362	2510	2066	1869
Costa Rica	16	17	17	18	19	19	20	21	19	16	17	22
Cuba	113	88	86	75	83	104	104	120	95	77	75	76
Dominica	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	6	8	8	15	16	18	20	20	23	23	24	25
El Salvador	4	4	4	4	5	5	4	4	4	3	3	5
Guatemala	16	14	14	21	23	20	20	24	27	30	28	21
Haiti	2	3	4	5	6	6	7	7	7	7	7	7
Honduras	2	3	2	2	2	3	3	4	4	4	4	4
Jamaica	9	9	9	9	13	14	13	7	9	8	13	16
Mexico	303	380	414	413	319	348	399	415	480	508	479	597
Nicaragua	1	1	1	1	1	1	1	1	1	1	1	1
Panama	7	7	7	7	10	9	6	8	8	6	12	13
United States	13305	12018	12306	10941	13211	13939	13872	13402	14181	14774	14485	13443
SOUTH AMERICA	7021	6419	6521	7079	8009	7049	7657	8054	8493	8856	8770	7596
Argentina	2072	1184	1453	1492	2489	1484	1797	1967	2340	2336	1958	1340
Bolivia	516	531	546	561	575	549	520	598	627	655	698	704
Brazil	1080	1134	1168	1264	1246	1329	1467	1606	1507	1583	1580	1589
Chile	843	765	848	808	703	803	717	725	603	684	836	733
Colombia	551	872	573	867	762	760	800	850	831	913	869	823
Ecuador	271	305	275	324	396	347	399	511	457	542	681	473
Paraguay	4	4	6	8	9	10	10	10	12	4	3	5
Peru	1492	1416	1427	1531	1568	1499	1712	1592	1856	1896	1880	1713
Uruguay	118	87	115	100	125	142	105	52	138	118	150	106
Venezuela	74	121	111	124	136	126	133	143	124	125	115	109

continued

42

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	312451	293910	284903	291860	298740	315621	320929	264165	288974	288494	287558	311559	299223
AFRICA	3572	3687	4029	4356	4554	4632	4935	5239	5454	5856	5857	6018	6681
Algeria	299	395	575	493	472	473	501	591	528	415	491	521	800
Angola	35	35	32	35	40	35	40	40	40	40	40	40	40
Burundi	47	36	45	46	48	38	42	20	23	35	36	37	37
Cameroon	40	38	40	40	40	25	24	24	100	145	170	160	180
Cape Verde	1	1	1	2	2	2	2	2	3	1	1	3	3
Cent.Afr.Rep.	1	1	1	1	1	0	0	0	0	0	0	0	1
Chad	12	12	10	11	12	12	13	13	13	13	13	13	14
Congo	2	3	1	1	1	1	1	2	2	2	2	2	2
Cote d'Ivoire	0	0	0	1	2	5	10	15	20	24	24	24	24
Egypt	798	708	720	894	1011	773	1019	1214	1195	1184	1095	1200	1300
Ethiopia	175	190	200	210	215	225	235	238	240	240	242	182	210
Kenya	260	280	333	342	341	361	360	350	522	640	600	633	650
Libya	78	79	89	80	99	89	90	103	97	108	115	93	110
Madagascar	117	116	122	134	148	181	183	166	161	201	253	264	264
Malawi	235	240	245	250	255	260	260	265	268	270	270	272	274
Mauritania	2	2	2	3	3	4	4	2	2	0	1	1	1
Mauritius	10	9	10	12	11	12	8	12	16	13	15	21	23
Morocco	280	275	195	170	300	474	568	543	396	539	572	550	570
Mozambique	43	42	40	42	40	55	57	65	65	65	60	60	60
Nigeria	27	27	28	30	30	35	35	35	35	38	42	44	42
Reunion	1	2	3	3	3	4	5	5	5	4	4	5	6
Rwanda	140	110	150	170	177	219	215	217	254	269	296	251	270
Senegal	2	4	5	5	5	7	7	8	9	10	10	10	10
South Africa	559	648	712	684	757	701	696	686	859	996	851	980	1112
Sudan	22	21	27	25	22	25	25	25	25	25	25	20	25
Swaziland	6	6	2	9	6	6	6	6	6	6	6	6	6
Tanzania	73	72	66	155	104	154	212	200	200	200	200	200	200
Tunisia	71	80	100	105	85	105	125	120	135	110	150	135	150
Uganda	177	199	221	345	267	293	131	213	175	196	210	225	230
Zaire	32	32	33	33	34	34	35	36	36	38	39	40	42
Zambia	3	3	3	3	3	3	3	3	3	3	3	3	3
Zimbabwe	25	25	20	24	22	21	22	20	20	25	23	23	23
N. & C. AMERICA	16483	18882	17759	19540	19547	20393	19675	17689	19363	20211	18887	20466	22565
Bermuda	1	1	1	1	1	1	1	0	1	1	1	1	1
Canada	2056	2511	2205	2347	2525	2513	2752	2478	2647	2781	2556	2798	2953
Costa Rica	23	24	24	25	25	26	27	27	28	29	42	30	39
Cuba	55	88	117	145	137	198	201	239	273	258	207	259	307
Dominica	0	0	0	0	0	0	0	0	0	0	1	1	1
Dominican Rp.	29	30	27	22	12	12	11	12	11	14	19	14	11
El Salvador	10	11	7	4	2	4	4	6	6	6	6	7	7
Guatemala	24	39	46	53	63	61	51	33	34	28	30	30	30
Haiti	7	7	7	7	8	9	10	9	9	9	9	9	9
Honduras	4	4	4	4	4	6	6	8	8	9	9	9	9
Jamaica	9	15	14	8	8	12	11	7	12	7	8	12	11
Mexico	640	603	693	687	631	923	1053	1065	861	941	835	830	840
Nicaragua	1	2	2	2	2	2	2	2	2	2	2	2	2
Panama	13	16	9	11	11	9	12	17	20	17	16	16	15
United States	13608	15531	14605	16223	16118	16616	15533	13785	15450	16109	15146	16448	18331
SOUTH AMERICA	7768	9130	8311	8770	9198	9640	9600	8934	10586	10425	8883	10705	9855
Argentina	1535	2173	1349	1526	1769	1593	1694	1568	2247	1817	2013	2118	2000
Bolivia	730	749	834	824	659	738	730	787	867	900	316	668	721
Brazil	1337	1672	1655	1898	1896	2014	2154	1940	1912	2155	1827	2171	1989
Chile	624	1012	738	539	928	981	770	903	1007	842	684	1036	909
Colombia	1031	1012	1320	1516	1609	1996	1966	1727	2100	2149	2187	2463	1900
Ecuador	539	503	499	499	417	343	255	323	392	416	314	390	385
Paraguay	3	4	4	4	5	7	9	9	8	9	8	7	6
Peru	1713	1722	1640	1667	1616	1695	1695	1380	1705	1771	1200	1463	1590
Uruguay	133	129	121	166	120	102	135	99	177	149	109	144	164
Venezuela	124	152	152	132	179	171	191	199	171	217	225	245	191

continued

113

TABLE 7 (CONTINUED)

Potato production 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
ASIA	23543	24159	23235	25303	28714	30706	30596	31880	33764	35274	38514	39516
Afghanistan	60	60	80	100	120	120	140	150	155	145	170	160
Bangladesh	343	336	363	324	401	494	601	712	800	865	863	753
Bhutan	14	15	16	16	17	17	18	18	19	19	20	20
Burma	52	54	63	50	46	34	21	29	42	35	40	37
China	12900	13800	12000	14000	16000	18000	17900	17800	19300	21500	23800	24500
Cyprus	81	117	107	132	139	132	173	176	163	208	178	175
East Timor	0	1	1	1	1	1	2	2	1	1	1	1
Gaza Strip	0	0	0	0	0	0	0	0	2	2	2	2
India	2719	2447	3365	2593	3605	4076	3522	4232	4726	3913	4807	4826
Indonesia	55	60	65	67	69	75	85	65	104	70	123	124
Iran	300	300	350	350	350	269	423	424	437	415	400	420
Iraq	10	10	10	10	10	10	10	10	15	20	12	20
Israel	85	111	109	107	109	104	93	110	115	137	142	143
Japan	3858	3684	3414	3923	4061	3386	3643	4059	3579	3617	3274	3537
Jordan	14	11	12	11	16	18	19	2	1	2	0	1
Korea D.P.R.	700	720	740	764	788	812	840	880	920	960	1000	1040
Korea Rep.	463	412	391	570	581	688	566	617	599	605	589	459
Laos	12	13	14	14	15	15	15	15	16	17	17	18
Lebanon	50	60	70	65	54	79	81	78	87	93	109	117
Mongolia	16	24	21	21	24	20	20	25	15	21	19	10
Nepal	180	180	185	185	286	277	300	245	250	263	273	293
Oman	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	112	128	118	136	173	153	168	189	231	179	229	254
Philippines	11	15	18	16	17	17	12	18	20	22	25	23
Saudi Arabia	1	1	1	1	1	1	1	1	1	1	1	1
Sri Lanka	4	1	7	5	2	7	12	18	27	32	31	31
Syria	30	34	32	48	49	41	40	50	47	65	72	119
Taiwan	7	8	10	19	16	16	23	22	28	24	34	27
Thailand	1	3	2	2	8	7	8	8	8	8	8	8
Turkey	1405	1489	1600	1700	1680	1750	1760	1805	1936	1915	2100	2200
U.A.Emirates	0	0	0	0	0	0	0	0	0	0	0	0
Viet Nam	40	45	50	50	55	60	72	85	89	100	120	140
Yemen A.R.	20	21	22	23	24	26	30	35	35	20	55	58
Yemen Dem.	0	0	0	0	0	0	0	0	0	0	1	1
EUROPE	137527	135548	150705	142324	126927	136567	143106	142125	123843	135615	120645	127876
Albania	30	20	24	34	21	108	116	160	121	107	100	81
Austria	3395	3214	3499	3438	2539	3007	3049	3473	2941	2704	2717	2341
Belgium-Lux.	1889	1991	1645	1829	1494	1543	2034	1632	1540	1665	1687	1398
Bulgaria	445	361	415	497	285	421	381	369	357	374	404	382
Czechoslovakia	5331	5002	6506	7656	3678	5846	6037	6526	5180	4793	4621	5058
Denmark	1490	1163	1334	1213	937	1002	887	896	693	1063	780	739
Faeroe Is.	2	2	2	2	1	2	1	1	1	2	1	1
Finland	1057	950	1221	850	1257	1066	881	908	779	1136	803	716
France	14331	13389	15974	11566	11223	10614	10406	10048	9047	8025	8635	7402
German D.R.	8430	13284	12886	12872	12857	12823	14065	12639	8832	13054	9412	12140
Germany F.R.	21516	25104	25812	20624	18095	18839	21294	19196	15987	16250	15176	15038
Greece	400	403	466	545	517	531	599	603	676	756	668	689
Hungary	1830	2149	2298	1949	1762	2907	1855	1632	2013	1813	1797	1506
Iceland	13	10	9	9	13	3	7	6	4	5	11	9
Ireland	2145	2117	1969	1526	1648	1678	1748	1624	1453	1468	1428	1070
Italy	3932	3561	4384	3823	3550	3860	4010	3960	3970	3668	3259	2949
Liechtenstein	8	8	8	8	9	9	9	9	9	9	9	9
Malta	25	25	27	22	17	16	18	19	23	17	19	22
Netherlands	3720	3953	3854	4110	3230	4124	4840	5045	4704	5648	5749	5581
Norway	1222	919	1218	804	1134	1090	807	912	857	857	708	634
Poland	45203	37817	44868	47860	42665	45798	48214	50280	44935	50301	39801	48735
Portugal	1056	894	1145	1143	888	991	1371	1157	1201	1285	1181	1198
Romania	2875	2597	2692	2640	2195	3352	3096	3737	2165	2064	3783	3672
Spain	4918	4153	5075	4254	4079	4423	4490	4546	4789	5301	4865	5275
Sweden	1526	1516	1908	1477	1542	1340	1398	1486	931	1490	1242	1137
Switzerland	1239	1127	1246	1206	906	1049	1125	1098	979	977	1093	824

continued

44

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
ASIA	46420	49227	55311	60553	64336	72596	70741	70936	68643	72951	74851	75343	74623
Afghanistan	165	175	195	354	200	250	265	283	300	310	315	320	330
Bangladesh	759	730	880	903	735	914	909	917	999	1096	1149	1166	1160
Bhutan	21	21	22	22	23	23	24	24	25	25	26	27	27
Burma	50	58	46	55	57	54	55	121	139	124	140	156	173
China	31700	34500	38200	41000	45000	51950	47500	48500	45000	48000	50000	48000	45500
Cyprus	163	152	117	200	216	163	190	208	220	215	230	235	260
East Timor	1	1	0	0	0	0	0	0	0	0	0	0	0
Gaza Strip	2	2	3	3	3	4	5	5	4	6	6	7	8
India	4451	4861	6225	7306	7171	8135	10133	8327	9599	9912	9956	12152	12642
Indonesia	173	120	124	154	248	233	204	230	217	180	219	180	190
Iran	481	533	506	550	697	932	997	1270	1540	1814	1740	1550	1550
Iraq	35	25	44	74	64	104	88	97	104	93	105	120	115
Israel	165	152	163	175	214	221	211	172	218	200	199	198	200
Japan	3418	2942	3261	3742	3520	3316	3381	3421	3095	3775	3566	3707	3735
Jordan	0	4	5	9	8	10	7	13	7	8	13	17	12
Korea D.P.R.	1052	1100	1200	1300	1400	1488	1500	1546	1560	1600	1650	1700	1850
Korea Rep.	470	469	660	569	558	304	356	446	554	539	419	436	575
Laos	18	17	12	20	22	28	31	34	35	40	44	46	49
Lebanon	117	94	35	30	45	70	112	135	140	126	125	120	120
Mongolia	35	23	41	36	45	49	72	38	40	75	98	126	114
Nepal	292	304	307	314	269	271	279	278	275	320	373	383	420
Oman	0	0	0	0	1	1	1	1	1	1	1	1	1
Pakistan	241	239	289	321	318	294	392	449	394	477	518	510	520
Philippines	25	20	20	19	19	20	32	37	37	41	34	42	48
Saudi Arabia	0	2	0	1	0	5	4	3	4	3	4	5	7
Sri Lanka	26	27	22	28	29	29	38	51	66	77	90	68	70
Syria	110	105	125	132	164	199	235	292	311	279	315	322	394
Taiwan	27	26	40	44	30	29	36	36	28	30	22	36	28
Thailand	7	6	5	3	6	6	7	7	7	7	8	8	8
Turkey	2200	2275	2490	2850	2800	2750	2870	3000	3000	3000	3050	3200	4100
U.A.Emirates	0	0	0	0	1	2	3	1	2	3	3	3	3
Viet Nam	150	180	200	260	369	630	684	862	577	418	262	291	235
Yemen A.R.	64	64	71	76	100	107	116	127	138	150	163	195	165
Yemen Dem.	1	1	2	5	4	5	6	5	7	9	10	16	15
EUROPE	129012	131099	109818	112589	116449	121219	124014	93266	111707	99702	95050	112191	111212
Albania	81	104	108	115	117	119	119	99	119	101	136	135	136
Austria	2117	1996	1579	1746	1352	1401	1494	1264	1310	1121	1012	1138	1042
Belgium-Lux.	1476	1796	1300	879	1680	1575	1460	1450	1494	1614	1208	1648	1700
Bulgaria	328	345	318	350	383	391	424	301	403	469	427	418	380
Czechoslovakia	5087	4522	3565	4214	3760	3995	3725	2695	3743	3608	3177	3978	3450
Denmark	778	928	696	606	954	932	844	842	1053	1229	853	1121	1073
Faeroe Is.	1	1	1	1	1	1	1	1	1	1	1	1	1
Finland	669	525	680	948	737	746	674	736	478	601	804	745	708
France	7359	7501	6642	4326	7803	7467	7148	6618	6439	6797	5731	6964	7814
German D.R.	11401	13404	7673	6816	10313	10777	12243	9214	10378	8883	7063	11908	11500
Germany F.R.	13676	14549	10853	9808	11368	10510	10205	7932	8422	7821	6299	8050	8704
Greece	765	778	878	1018	1016	908	968	1084	1056	1021	1106	1053	1100
Hungary	1355	1720	1630	1396	1650	1883	1512	1392	1608	1459	1234	1551	1371
Iceland	6	13	6	7	8	13	6	15	11	14	12	13	14
Ireland	1332	1111	1018	1179	1531	1008	1143	880	665	855	639	800	700
Italy	2889	2849	2900	2923	3080	2843	3020	2923	2879	2572	2502	2450	2397
Liechtenstein	10	10	10	10	10	11	11	11	11	11	11	12	12
Malta	20	20	18	22	20	17	22	27	15	12	15	14	13
Netherlands	5771	6095	5003	4858	5842	6231	6277	6267	6445	6219	5412	6673	7150
Norway	672	847	435	521	651	625	473	571	529	526	470	489	470
Poland	51928	48519	46429	49951	41148	46648	49572	26391	42562	31951	34473	37437	36546
Portugal	1148	1184	1098	1003	1292	1225	1110	1200	928	1082	1007	1138	1239
Romania	2644	4119	2716	4788	4207	4465	4562	4135	4447	5006	6209	6391	6683
Spain	5579	5693	5338	5659	5881	5364	5637	5737	5470	5222	5163	5980	5781
Sweden	947	1257	837	1058	1279	1339	1284	1084	1206	1036	939	1307	1117
Switzerland	910	929	908	769	713	893	871	853	1048	960	711	923	848

continued

45

TABLE 7 (CONTINUED)
Potato production 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
United Kingdom	6811	7185	7198	7549	8006	6897	7559	7273	6513	7821	7744	6863
Yugoslavia	2699	2634	3027	2819	2383	3226	2810	2889	3144	2964	2952	2406
OCEANIA	664	770	907	814	808	926	878	951	1119	1062	1027	1068
Australia	458	534	677	571	516	649	653	669	811	762	774	822
Fiji	0	0	0	0	0	0	0	0	0	1	1	1
Fr.Polynesia	1	1	1	1	1	1	1	1	1	1	1	1
New Caledonia	1	1	1	1	1	1	1	1	1	2	1	1
New Zealand	235	234	228	241	290	275	222	280	305	297	249	242
Papua N.Guinea	0	0	0	0	0	0	0	0	0	0	0	0
U.S.S.R.	84310	69677	71834	93642	88676	87853	95464	102184	91779	96783	92655	78329
DEVELOPING NATIONS	28793	29052	28630	30647	34970	36626	36952	38418	41442	43402	46849	46791
DEVELOPED NATIONS	242121	224276	241771	254305	236264	245674	259669	265783	237500	255112	234896	226936

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
United Kingdom	7091	7157	4787	4789	6621	7331	6485	7105	6214	6875	5857	7398	6850
Yugoslavia	2974	3127	2394	2828	3034	2501	2724	2440	2774	2636	2580	2458	2413
OCEANIA	997	863	972	950	1005	1016	1008	1079	1082	1165	1122	1321	1287
Australia	721	649	742	697	728	772	798	857	866	919	858	1020	992
Fiji	1	1	1	2	2	2	2	2	2	1	1	2	2
Fr.Polynesia	2	2	2	2	2	4	4	4	3	4	3	3	3
New Caledonia	2	2	1	1	2	2	1	3	2	3	2	2	2
New Zealand	271	208	226	248	270	237	203	214	209	239	258	295	288
Papua N.Guinea	0	0	0	0	0	0	0	0	0	0	0	0	1
U.S.S.R.	108201	81022	88703	85102	83652	86124	90956	67023	72139	78185	82908	85515	73000
DEVELOPING NATIONS	54441	59147	64470	70053	74507	83901	82384	82265	81784	85590	86165	88407	87400
DEVELOPED NATIONS	258010	234763	229433	221807	224233	231720	238545	181901	207190	202905	201392	223153	211822

NOTES: See Table 1.

TABLE 8
Potato area, 1961-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	23700	23576	23552	23070	22847	22832	22454	22363	22024	22288	21723	21846
AFRICA	267	289	304	281	286	286	300	320	340	358	366	385
Algeria	23	25	22	27	28	25	32	40	43	42	44	50
Angola	3	3	5	5	5	5	5	5	5	5	5	5
Burundi	8	8	9	9	10	11	11	12	12	11	11	11
Cameroon	7	7	9	10	9	7	4	6	9	10	13	15
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	0
Cent.Afr.Rep.	0	0	0	0	0	0	0	0	0	0	0	0
Chad	2	2	2	2	2	3	3	3	3	3	3	3
Congo	0	0	0	1	1	1	0	0	0	0	0	0
Cote d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	23	24	25	23	24	22	17	28	30	32	28	35
Ethiopia	26	26	27	27	28	28	29	29	30	30	31	32
Kenya	27	27	28	27	27	28	28	28	28	31	28	32
Libya	3	3	3	3	2	2	2	2	2	2	3	10
Madagascar	11	12	12	13	13	13	14	14	14	15	20	28
Malawi	20	21	21	22	23	23	25	25	25	26	26	26
Mauritania	0	0	0	0	0	0	0	0	0	0	0	0
Mauritius	0	0	0	0	0	1	1	1	0	0	1	1
Morocco	15	23	25	18	26	26	24	20	28	28	28	20
Mozambique	3	2	3	3	3	4	5	4	6	6	6	6
Nigeria	2	2	2	2	2	2	2	2	2	2	2	2
Reunion	0	0	0	0	0	0	0	0	0	0	0	0
Rwanda	19	18	26	13	14	10	17	18	17	18	21	19
Senegal	0	0	1	1	1	0	1	1	1	1	0	1
South Africa	44	51	51	40	35	38	41	38	43	46	42	37
Sudan	1	1	1	1	1	1	1	1	2	2	1	1
Swaziland	1	1	1	1	1	1	1	1	2	2	2	2
Tanzania	5	6	6	8	5	5	8	11	8	15	16	15
Tunisia	6	6	6	7	7	8	9	9	9	9	10	10
Uganda	11	12	12	13	13	15	15	16	16	17	17	17
Zaire	3	3	3	3	4	5	5	5	6	5	6	6
Zambia	0	0	0	0	0	0	0	0	0	0	0	0
Zimbabwe	2	2	2	2	2	2	2	2	1	1	2	2
N. & C. AMERICA	790	727	720	696	741	786	778	748	769	775	741	682
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Canada	125	117	117	113	121	130	124	124	125	129	110	100
Costa Rica	2	2	2	2	2	2	2	2	2	2	2	2
Cuba	10	8	8	7	8	9	9	7	10	8	9	5
Dominica	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	1	1	1	2	2	3	3	3	3	3	3	4
El Salvador	1	1	1	1	1	1	1	1	1	0	0	0
Guatemala	3	4	4	5	5	5	5	6	7	7	7	6
Haiti	0	0	0	0	0	0	0	0	0	0	0	0
Honduras	0	0	0	0	0	1	0	1	1	1	1	1
Jamaica	1	1	1	1	1	2	1	1	1	1	1	2
Mexico	46	46	50	48	39	41	41	42	46	48	43	54
Nicaragua	0	0	0	0	0	0	0	0	0	0	0	0
Panama	1	1	1	1	1	1	1	1	1	1	1	1
United States	599	545	536	515	560	592	591	560	573	575	563	507
SOUTH AMERICA	967	938	961	1000	1018	970	999	1019	1055	1027	1030	976
Argentina	203	143	166	179	204	165	163	200	203	190	179	147
Bolivia	108	109	112	110	115	110	103	88	92	95	97	112
Brazil	191	196	200	209	202	199	217	227	221	214	208	202
Chile	96	91	89	85	91	76	77	80	76	72	80	79
Colombia	49	75	69	76	67	76	79	81	79	84	88	90
Ecuador	32	33	32	39	44	44	48	49	41	47	53	38
Paraguay	1	1	2	2	2	2	1	1	1	1	1	1
Peru	258	253	254	262	251	255	272	262	304	289	286	271
Uruguay	20	20	23	25	26	26	22	15	22	21	24	23
Venezuela	9	16	15	15	16	16	16	17	16	14	14	13

continued

48

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	22165	22428	22029	21205	21846	22006	21813	20750	20458	20471	20520	20364	20115
AFRICA	462	478	514	548	557	569	576	590	649	707	719	726	778
Algeria	53	60	70	69	75	73	77	76	77	74	77	72	97
Angola	5	5	5	5	6	6	6	6	6	6	6	6	6
Burundi	11	10	11	11	11	8	11	8	9	10	10	10	11
Cameroon	14	13	15	15	15	10	10	12	40	75	70	70	75
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	0	0
Cent.Afr.Rep.	0	0	0	0	0	0	0	0	0	0	0	0	0
Chad	3	3	3	3	3	3	3	3	3	3	3	3	3
Congo	0	0	0	0	0	0	0	0	0	0	0	0	0
Cote d'Ivoire	0	0	0	0	0	1	1	1	2	2	2	2	2
Egypt	45	40	41	54	64	55	60	70	67	64	58	70	72
Ethiopia	32	33	34	35	36	37	38	39	39	39	40	36	37
Kenya	37	40	46	47	47	48	49	48	63	76	78	72	80
Libya	16	16	19	14	17	16	14	15	15	15	15	15	16
Madagascar	25	24	21	22	22	30	30	29	26	29	39	41	41
Malawi	70	70	72	74	74	75	75	76	77	78	78	79	80
Mauritania	0	0	0	0	0	0	0	0	0	0	0	0	0
Mauritius	1	1	1	1	1	1	1	1	1	1	1	1	1
Morocco	20	20	19	16	25	34	40	38	28	38	40	42	44
Mozambique	6	6	6	6	6	6	5	6	6	6	6	6	6
Nigeria	2	2	2	2	2	3	3	3	3	3	3	3	3
Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0
Rwanda	19	20	23	26	27	32	30	32	41	40	41	37	40
Senegal	0	1	1	1	1	1	1	1	1	1	1	1	1
South Africa	40	45	48	48	50	50	50	50	70	70	70	75	75
Sudan	1	1	1	1	1	1	1	1	1	1	1	1	1
Swaziland	3	3	1	3	3	3	3	3	3	3	3	3	3
Tanzania	20	25	21	27	18	22	30	30	30	30	30	30	30
Tunisia	10	10	10	10	11	10	10	11	9	10	10	12	14
Uganda	20	22	35	48	34	37	21	24	25	25	30	30	32
Zaire	6	6	6	6	7	7	7	7	7	7	7	8	8
Zambia	0	0	0	0	0	0	0	0	0	0	0	0	0
Zimbabwe	2	2	1	2	2	1	2	1	1	2	2	2	2
N. & C. AMERICA	713	765	705	750	752	772	745	684	709	724	719	744	770
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	106	115	106	107	112	111	113	107	111	113	113	118	121
Costa Rica	2	2	2	2	2	3	3	3	3	3	4	2	3
Cuba	6	11	9	11	12	10	13	14	16	15	13	16	15
Dominica	0	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	4	4	4	3	2	2	2	1	1	1	2	1	1
El Salvador	1	1	0	0	0	0	0	0	0	0	0	0	0
Guatemala	7	10	11	13	15	16	14	10	7	6	6	6	6
Haiti	1	1	1	1	1	1	1	1	1	1	1	1	1
Honduras	1	1	1	1	1	1	1	1	1	1	1	1	1
Jamaica	1	1	2	1	1	1	1	1	1	1	1	1	1
Mexico	55	54	57	56	54	69	87	80	68	68	74	70	70
Nicaragua	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama	1	2	1	1	1	1	1	2	1	2	2	2	2
United States	528	563	510	555	550	556	509	464	499	513	503	527	550
SOUTH AMERICA	935	970	942	963	971	1029	1013	956	985	986	832	914	932
Argentina	117	127	111	108	111	115	110	112	117	102	108	114	114
Bolivia	116	118	128	130	125	157	163	169	177	159	108	143	198
Brazil	189	192	191	200	196	211	204	181	171	183	169	173	157
Chile	67	93	72	68	86	91	81	89	90	77	67	81	63
Colombia	99	92	110	125	130	142	148	142	160	165	161	160	139
Ecuador	44	39	39	41	36	30	27	30	32	35	27	33	35
Paraguay	1	1	1	0	1	1	1	1	1	1	1	1	1
Peru	268	268	251	253	247	247	242	194	202	225	156	172	189
Uruguay	25	26	26	26	23	19	21	20	21	21	19	19	22
Venezuela	12	14	14	13	16	16	17	18	15	17	17	19	14

continued

49

TABLE 8 (CONTINUED)
 Potato area, 1961-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
ASIA	3868	3956	4109	4029	4281	4494	4201	4340	4481	4723	4635	5037
Afghanistan	6	6	8	10	12	12	14	15	16	15	15	15
Bangladesh	56	56	58	55	55	61	70	76	84	85	87	76
Bhutan	2	2	2	3	3	3	3	3	3	3	3	3
Burma	19	21	20	16	15	14	8	7	9	8	9	8
China	2800	2900	3000	2900	3125	3300	3000	3100	3200	3500	3400	3800
Cyprus	7	9	12	9	9	9	11	12	10	11	9	9
East Timor	0	0	0	0	0	0	0	0	0	0	0	0
Gaza Strip	0	0	0	0	0	0	0	0	0	0	0	0
India	375	365	413	415	429	479	473	501	524	496	482	492
Indonesia	15	15	17	18	19	19	22	16	23	13	18	17
Iran	17	17	20	20	20	15	25	25	25	26	22	24
Iraq	1	1	1	1	1	1	1	1	1	1	1	2
Israel	4	5	5	5	5	4	4	5	5	5	6	6
Japan	218	216	209	221	213	196	183	188	178	159	156	152
Jordan	2	2	2	2	2	2	2	0	0	0	0	0
Korea D.P.R.	72	73	75	78	80	82	83	85	88	90	93	95
Korea Rep.	48	48	45	47	60	60	58	60	56	54	52	43
Laos	2	3	3	3	3	2	2	2	3	3	3	3
Lebanon	6	6	7	6	4	6	7	8	9	9	9	9
Mongolia	2	5	3	3	3	3	3	3	3	3	3	3
Nepal	41	41	42	42	43	42	43	43	43	46	49	51
Oman	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	15	14	13	15	19	17	19	20	21	17	20	23
Philippines	2	3	3	3	3	3	3	3	3	3	4	3
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0
Sri Lanka	1	1	1	1	1	1	1	2	3	3	3	3
Syria	3	3	4	5	4	4	4	4	4	6	6	8
Taiwan	1	1	1	2	1	1	2	2	2	2	3	2
Thailand	0	0	0	0	1	1	1	1	1	1	1	1
Turkey	147	137	140	145	145	150	150	148	157	155	169	175
U.A.Emirates	0	0	0	0	0	0	0	0	0	0	0	0
Viet Nam	3	3	3	3	4	4	4	5	6	6	8	8
Yemen A.R.	4	4	4	4	4	4	4	4	4	4	6	5
Yemen Dem.	0	0	0	0	0	0	0	0	0	0	0	0
EUROPE	8883	8931	8903	8493	7859	7852	7797	7581	7221	7287	7009	6757
Albania	4	4	3	4	4	12	16	22	22	20	16	15
Austria	172	169	161	158	145	137	134	130	113	110	105	101
Belgium-Lux.	72	68	61	53	50	55	58	50	45	49	44	39
Bulgaria	41	43	43	41	37	34	33	31	29	31	29	30
Czechoslovakia	513	506	502	491	224	436	407	372	325	337	331	320
Denmark	72	62	64	54	41	40	37	35	34	37	32	29
Faeroe Is.	0	0	0	0	0	0	0	0	0	0	0	0
Finland	77	74	77	71	73	68	65	65	58	60	50	48
France	890	862	844	691	575	537	515	471	420	361	347	310
German D.R.	682	742	747	745	725	694	686	672	604	667	658	647
Germany F.R.	977	964	925	852	783	732	707	659	589	597	554	503
Greece	56	56	57	58	56	55	56	54	55	59	51	52
Hungary	269	238	263	248	245	237	208	183	177	174	155	122
Iceland	1	1	1	1	1	0	1	0	1	1	1	1
Ireland	86	85	83	74	71	68	65	59	55	57	52	44
Italy	379	377	386	356	348	347	339	319	306	286	238	194
Liechtenstein	0	0	0	0	0	0	0	0	1	1	1	1
Malta	3	3	3	3	3	3	3	3	3	3	3	3
Netherlands	133	130	134	125	125	131	138	147	145	158	154	149
Norway	53	50	52	49	48	45	40	38	33	34	31	29
Poland	2819	2910	2840	2830	2765	2712	2741	2720	2718	2732	2669	2656
Portugal	108	102	107	109	101	109	126	115	115	120	116	120
Romania	301	305	332	321	312	317	322	334	321	301	307	313
Spain	416	409	411	365	368	375	376	382	377	397	394	401
Sweden	87	81	82	69	62	54	55	56	53	53	50	45
Switzerland	51	49	47	45	39	39	38	37	33	31	29	26

continued

50

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
ASIA	5270	5514	5588	5552	6167	6563	6544	5854	5723	5748	5937	5802	5942
Afghanistan	15	16	17	20	19	18	19	19	20	20	20	22	25
Bangladesh	80	80	94	96	77	90	97	96	102	108	109	110	111
Bhutan	3	3	3	3	3	3	4	4	4	4	4	4	4
Burma	10	11	11	11	12	11	11	12	14	15	15	17	18
China	4000	4200	4200	4100	4700	5000	4800	4200	4000	4000	4198	4000	4000
Cyprus	9	7	6	10	10	7	8	9	10	10	11	10	12
East Timor	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaza Strip	0	0	0	0	0	0	0	0	0	0	0	0	0
India	505	543	587	622	620	665	807	685	732	763	735	794	853
Indonesia	22	18	17	20	22	26	22	24	30	23	28	25	26
Iran	25	29	32	31	50	66	71	87	99	116	115	110	110
Iraq	4	3	5	8	6	7	6	5	5	5	5	7	7
Israel	6	6	5	5	6	6	6	5	5	5	4	5	6
Japan	147	138	139	138	131	128	125	123	126	127	128	131	130
Jordan	0	1	0	0	1	1	0	1	0	0	1	1	1
Korea D.P.R.	100	100	100	105	115	118	120	125	130	130	135	140	145
Korea Rep.	42	43	52	49	50	39	34	37	41	36	30	26	31
Laos	3	3	2	3	3	4	4	4	4	5	5	5	6
Lebanon	9	9	9	6	6	7	7	7	9	9	8	8	8
Mongolia	3	4	4	5	6	7	7	7	5	8	10	10	10
Nepal	51	53	54	53	52	50	51	51	50	52	59	59	66
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	23	23	28	29	26	30	38	43	38	45	52	50	50
Philippines	4	3	3	3	3	3	4	4	4	4	4	4	4
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0	0
Sri Lanka	3	3	3	3	3	3	4	5	5	6	7	6	6
Syria	8	8	9	10	13	15	14	19	22	17	20	18	23
Taiwan	2	2	3	3	3	2	3	3	2	2	2	2	2
Thailand	1	1	1	0	1	1	1	1	1	1	1	1	1
Turkey	180	185	178	186	180	180	169	183	180	180	185	190	245
U.A.Emirates	0	0	0	0	0	0	0	0	0	0	0	0	0
Viet Nam	10	15	18	25	40	65	103	82	72	45	32	31	28
Yemen A.R.	6	6	7	7	9	9	10	11	12	12	12	13	12
Yemen Dem.	0	0	0	0	0	0	1	0	1	1	1	2	1
EUROPE	6722	6674	6322	6260	6287	5985	5925	5685	5493	5402	5384	5299	5210
Albania	13	16	16	16	16	16	16	16	17	16	16	14	16
Austria	84	82	69	73	60	57	58	53	50	46	41	41	38
Belgium-Lux.	44	42	37	39	43	37	38	39	36	38	35	37	45
Bulgaria	27	31	30	29	34	37	39	35	36	40	41	40	40
Czechoslovakia	304	277	250	240	234	220	213	195	198	198	192	193	186
Denmark	32	33	31	35	38	34	32	34	36	35	30	31	30
Faeroe Is.	0	0	0	0	0	0	0	0	0	0	0	0	0
Finland	46	48	49	53	46	44	43	41	37	39	45	41	39
France	318	314	288	281	299	277	275	229	211	210	204	210	208
German D.R.	650	635	574	599	587	579	549	513	505	504	483	488	480
Germany F.R.	481	467	415	415	400	355	325	306	274	265	249	243	243
Greece	56	56	57	65	69	64	63	65	62	62	65	60	60
Hungary	124	137	130	115	122	116	105	93	88	84	77	77	70
Iceland	1	1	1	1	1	1	1	1	1	1	1	1	1
Ireland	48	40	41	47	53	41	41	42	35	37	32	35	30
Italy	182	181	179	174	185	172	169	161	153	148	147	139	137
Liechtenstein	1	1	1	1	1	1	1	1	1	1	1	1	1
Malta	2	2	2	2	3	3	2	3	2	2	2	2	2
Netherlands	157	142	151	161	170	162	166	172	165	166	163	160	169
Norway	29	30	23	26	26	23	20	20	20	21	21	19	19
Poland	2678	2684	2581	2466	2437	2360	2441	2344	2258	2178	2220	2147	2095
Portugal	117	120	123	130	136	130	117	123	118	125	125	126	131
Romania	298	310	305	301	306	305	294	286	299	311	319	312	320
Spain	409	407	385	391	403	371	355	355	343	338	340	348	323
Sweden	45	47	42	46	47	45	42	41	41	41	40	40	39
Switzerland	25	24	25	25	24	24	24	25	25	24	24	23	23

continued

TABLE 8 (CONTINUED)
Potato area, 1961-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
United Kingdom	303	316	334	335	316	283	301	295	260	283	268	247
Yugoslavia	318	326	345	346	343	333	330	332	330	329	326	315
OCEANIA	49	50	58	54	49	52	49	53	56	54	47	49
Australia	37	38	46	41	36	39	40	43	46	43	39	40
Fiji	0	0	0	0	0	0	0	0	0	0	0	0
Fr. Polynesia	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand	11	11	11	12	13	13	8	10	10	10	8	8
Papua N. Guinea	0	0	0	0	0	0	0	0	0	0	0	0
U.S.S.R.	8878	8686	8498	8518	8612	8392	8331	8301	8100	8064	7894	7960
DEVELOPING NATIONS	4901	4974	5176	5112	5393	5576	5334	5514	5724	5970	5897	6278
DEVELOPED NATIONS	18800	18602	18376	17958	17453	17256	17120	16849	16300	16318	15827	15568

52

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
United Kingdom	234	226	204	222	232	214	204	206	192	192	196	198	192
Yugoslavia	317	321	314	308	315	298	296	287	291	282	274	274	274
OCEANIA	46	43	47	44	45	46	43	45	44	46	47	49	51
Australia	37	34	38	33	34	36	35	37	36	36	37	38	38
Fiji	0	0	0	0	0	0	0	0	0	0	0	0	0
Fr.Polynesia	0	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	0	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand	9	8	9	9	10	9	8	8	8	9	9	10	11
Papua N.Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0
U.S.S.R.	8017	7983	7912	7087	7067	7042	6966	6936	6854	6858	6882	6830	6432
DEVELOPING NATIONS	6553	6861	6940	6962	7598	8082	8076	7335	7258	7338	7389	7332	7542
DEVELOPED NATIONS	15612	15567	15088	14243	14248	13924	13737	13415	13200	13133	13131	13032	12574

NOTES: See Table 1.

TABLE 9
Potato yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	11	11	11	12	12	12	13	14	13	13	13	13
AFRICA	8	7	7	8	8	8	8	8	8	8	8	8
Algeria	11	10	9	7	8	7	6	7	5	6	6	5
Angola	5	5	5	6	6	6	6	6	6	6	6	6
Burundi	4	4	4	4	4	4	4	4	4	4	4	4
Cameroon	3	3	4	4	3	2	6	2	3	3	2	3
Cape Verde	10	10	10	10	10	10	10	10	13	13	10	10
Cent.Afr.Rep.	2	1	2	2	2	2	2	2	2	2	2	2
Chad	4	4	4	4	4	4	4	5	5	5	5	5
Congo	2	2	2	2	2	3	4	5	6	7	8	7
Cote d'Ivoire	...	...	...	...	...	...	...	...	...	...	...	...
Egypt	17	15	17	16	18	14	16	17	16	17	16	17
Ethiopia	5	5	5	5	5	5	5	5	5	5	5	5
Kenya	7	7	7	7	7	7	7	7	7	7	7	7
Libya	5	5	5	5	4	4	5	5	6	7	7	5
Madagascar	7	7	8	7	7	7	7	7	7	6	6	5
Malawi	3	3	3	3	3	3	3	3	3	3	3	3
Mauritania	18	19	19	20	20	20	21	20	21	21	20	18
Mauritius	8	8	13	12	9	16	16	17	13	16	16	14
Morocco	10	9	9	10	10	11	9	8	11	10	10	14
Mozambique	4	5	5	6	6	8	8	7	7	7	7	7
Nigeria	9	10	10	11	11	12	12	12	13	12	13	14
Reunion	8	8	8	8	15	15	14	13	11	9	13	11
Rwanda	5	4	3	2	3	6	7	5	8	7	7	7
Senegal	9	12	12	10	11	9	7	7	9	9	7	5
South Africa	8	6	8	10	11	11	12	14	12	13	14	18
Sudan	16	16	17	17	18	18	18	18	17	17	18	16
Swaziland	3	2	2	2	2	3	3	3	2	3	4	3
Tanzania	3	3	3	3	3	4	4	4	3	4	4	4
Tunisia	7	7	8	8	8	9	9	7	7	7	8	11
Uganda	9	9	9	9	9	9	9	9	9	9	8	10
Zaire	6	5	6	6	7	5	5	5	5	5	5	5
Zambia	9	10	12	9	10	10	10	7	9	8	9	9
Zimbabwe	10	9	10	13	13	11	13	13	15	15	15	15
N. & C. AMERICA	20	20	21	20	21	22	21	22	22	23	23	24
Bermuda	11	9	9	9	11	15	13	13	9	19	20	20
Canada	16	18	18	19	17	19	17	19	19	19	19	19
Costa Rica	10	10	10	10	10	10	10	10	10	9	10	10
Cuba	11	11	11	11	11	12	12	16	10	10	8	15
Dominica	5	5	5	5	5	5	5	5	5	5	5	5
Dominican Rep.	7	7	8	7	7	7	7	7	7	7	7	7
El Salvador	6	7	7	7	8	8	8	7	7	7	8	16
Guatemala	5	4	4	4	4	4	4	4	4	4	4	4
Haiti	15	16	15	16	15	15	15	15	16	15	15	15
Honduras	5	5	5	5	6	6	6	6	6	7	7	8
Jamaica	6	6	10	7	9	8	12	8	10	9	10	9
Mexico	7	8	8	9	8	9	10	10	10	11	11	11
Nicaragua	4	4	4	4	4	4	4	4	4	4	4	4
Panama	10	10	10	10	10	10	10	10	10	10	10	11
United States	22	22	23	21	24	24	23	24	25	26	26	26
SOUTH AMERICA	7	7	7	7	8	7	8	8	8	9	9	8
Argentina	10	8	9	8	12	9	11	10	12	12	11	9
Bolivia	5	5	5	5	5	5	5	7	7	7	7	6
Brazil	6	6	6	6	6	7	7	7	7	7	8	8
Chile	9	8	10	10	8	11	9	9	8	10	10	9
Colombia	11	12	8	11	11	10	10	10	11	11	10	9
Ecuador	8	9	9	8	9	8	8	10	11	11	13	13
Paraguay	3	3	4	4	4	5	8	8	8	3	4	6
Peru	6	6	6	6	6	6	6	6	6	7	7	6
Uruguay	6	4	5	4	5	6	5	4	6	6	6	5
Venezuela	8	8	8	8	8	8	8	8	8	9	8	8

continued

- 64 -

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	14	13	13	14	14	14	15	13	14	14	14	15	15
AFRICA	8	8	8	8	8	8	9	9	8	8	8	8	9
Algeria	6	7	8	7	6	6	6	8	7	6	6	7	8
Angola	6	6	6	6	7	6	7	7	7	7	7	7	7
Burundi	4	4	4	4	4	4	4	3	3	4	4	4	4
Cameroon	3	3	3	3	3	3	2	2	3	2	2	2	2
Cape Verde	10	10	12	21	19	17	17	17	17	11	8	23	17
Cent.Afr.Rep.	2	2	2	2	2	2	2	2	2	2	2	2	2
Chad	5	5	4	4	5	5	5	5	5	5	5	5	6
Congo	7	8	5	5	5	5	5	6	6	6	6	6	6
Cote d'Ivoire	...	...	...	8	9	10	10	11	11	12	12	12	12
Egypt	18	18	17	17	16	14	17	17	18	19	19	17	18
Ethiopia	5	6	6	6	6	6	6	6	6	6	6	5	6
Kenya	7	7	7	7	7	8	7	7	8	8	8	9	8
Libya	5	5	5	6	6	6	6	7	6	7	8	6	7
Madagascar	5	5	6	6	7	6	6	6	6	7	7	6	6
Malawi	3	3	3	3	3	3	3	3	3	3	3	3	3
Mauritania	15	13	12	13	13	17	11	10	10	4	5	4	4
Mauritius	17	17	15	15	15	17	16	17	21	23	20	25	27
Morocco	14	14	10	10	12	14	14	14	14	14	14	13	13
Mozambique	7	7	7	7	7	9	11	12	11	11	10	10	10
Nigeria	14	14	14	14	14	14	14	14	14	14	14	15	14
Reunion	9	13	17	19	18	21	26	21	20	17	14	21	21
Rwanda	7	5	7	7	7	7	7	7	6	7	7	7	7
Senegal	5	5	6	6	6	11	11	13	16	16	14	14	14
South Africa	14	14	15	14	15	14	14	14	12	14	12	13	15
Sudan	17	17	21	19	17	19	19	19	19	19	19	18	19
Swaziland	2	2	2	3	2	2	2	2	2	2	2	2	2
Tanzania	4	3	3	6	6	7	7	7	7	7	7	7	7
Tunisia	7	8	10	11	7	11	13	11	15	11	16	12	11
Uganda	9	9	6	7	8	8	6	9	7	8	7	8	7
Zaire	5	5	5	5	5	5	5	5	5	5	5	5	5
Zambia	9	9	9	9	9	9	9	9	9	9	9	9	9
Zimbabwe	15	15	15	15	15	15	15	15	15	15	15	15	15
N. & C. AMERICA	23	25	25	26	26	26	26	26	27	28	26	27	29
Bermuda	20	19	16	20	16	15	13	6	9	11	10	10	10
Canada	19	22	21	22	23	23	24	23	24	25	23	24	24
Costa Rica	12	11	12	12	11	10	10	10	9	9	12	14	15
Cuba	10	8	12	14	11	19	15	17	17	17	16	16	21
Dominica	5	5	5	5	5	5	5	5	5	5	5	5	5
Dominican Rep.	7	7	7	7	7	7	7	9	8	12	11	12	13
El Salvador	17	17	18	18	9	13	14	20	20	19	19	19	19
Guatemala	4	4	4	4	4	4	4	3	5	5	5	5	5
Haiti	14	14	14	13	15	15	17	15	15	15	15	15	15
Honduras	5	5	5	5	5	7	11	14	10	13	12	12	12
Jamaica	7	11	7	7	8	8	9	7	10	9	10	9	9
Mexico	12	11	12	12	12	13	12	13	13	14	11	12	12
Nicaragua	5	5	4	4	4	4	4	4	4	4	4	4	4
Panama	10	11	11	13	11	12	14	11	20	12	11	11	10
United States	26	28	29	29	29	30	31	30	31	31	30	31	33
SOUTH AMERICA	8	9	9	9	9	9	9	9	11	11	11	12	11
Argentina	13	17	12	14	16	14	15	14	19	18	19	19	18
Bolivia	6	6	7	6	5	5	4	5	5	6	3	5	4
Brazil	7	9	9	10	10	10	11	11	11	12	11	13	13
Chile	9	11	10	8	11	11	10	10	11	11	10	13	14
Colombia	10	11	12	12	12	14	13	12	13	13	14	15	14
Ecuador	12	13	13	12	12	12	9	11	12	12	12	12	11
Paraguay	6	7	7	8	8	9	9	9	9	9	9	8	7
Peru	6	6	7	7	7	7	7	7	8	8	8	9	8
Uruguay	5	5	5	6	5	5	6	5	8	7	6	8	7
Venezuela	10	11	11	11	11	11	12	11	11	13	14	13	14

continued

55

TABLE 9 (CONTINUED)
Potato yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
ASIA	6	6	6	6	7	7	7	7	8	7	8	8
Afghanistan	10	10	10	10	10	10	10	10	10	10	11	11
Bangladesh	6	6	6	6	7	8	9	9	9	10	10	10
Bhutan	6	6	6	6	6	6	6	6	6	6	7	6
Burma	3	3	3	3	3	3	3	4	5	4	5	5
China	5	5	4	5	5	5	6	6	6	6	7	6
Cyprus	11	13	9	14	16	15	15	15	16	19	20	19
East Timor	4	4	4	4	4	8	8	8	8	8	14	8
Gaza Strip	...	...	...	...	...	...	...	...	16	17	18	18
India	7	7	8	6	8	9	7	8	9	8	10	10
Indonesia	4	4	4	4	4	4	4	4	5	5	7	7
Iran	18	18	18	18	18	18	17	17	17	16	18	18
Iraq	10	10	10	10	10	10	10	10	15	15	12	10
Israel	19	21	21	24	22	24	21	23	24	28	26	26
Japan	18	17	16	18	19	17	20	22	20	23	21	23
Jordan	8	6	8	7	10	10	11	5	2	20	13	11
Korea D.P.R.	10	10	10	10	10	10	10	10	10	11	11	11
Korea Rep.	10	9	9	12	10	11	10	10	11	11	11	11
Laos	6	5	6	6	6	7	7	7	6	7	7	7
Lebanon	8	10	11	11	12	13	12	10	10	10	12	13
Mongolia	10	5	8	8	9	7	6	8	5	7	6	4
Nepal	4	4	4	4	7	7	7	6	6	6	6	6
Oman	...	...	...	...	...	...	...	...	...	...	...	...
Pakistan	7	9	9	9	9	9	9	9	11	11	11	11
Philippines	5	6	7	6	7	7	5	6	7	8	7	7
Saudi Arabia	9	9	9	9	9	9	9	9	9	8	8	8
Sri Lanka	5	2	9	6	3	9	8	10	9	10	10	9
Syria	12	11	9	10	11	9	11	11	11	11	12	15
Taiwan	9	8	7	12	13	13	12	11	12	10	12	12
Thailand	8	8	8	7	6	8	8	8	8	8	8	8
Turkey	10	11	11	12	12	12	12	12	12	12	12	13
U.A.Emirates	...	...	...	...	...	...	...	...	...	...	...	...
Viet Nam	13	15	17	17	14	15	18	17	15	17	15	18
Yemen A.R.	6	6	6	6	6	7	8	9	9	5	9	12
Yemen Dem.	5	5	5	5	5	5	5	5	5	5	5	5
EUROPE	15	15	17	17	16	17	18	19	17	19	17	19
Albania	7	5	8	9	6	9	7	7	6	5	6	5
Austria	20	19	22	22	18	22	23	27	26	25	26	23
Belgium-Lux.	26	29	27	34	30	28	35	33	34	34	38	36
Bulgaria	11	8	10	12	8	12	11	12	12	12	14	13
Czechoslovakia	10	10	13	16	16	13	15	18	16	14	14	16
Denmark	21	19	21	22	23	25	24	26	21	29	25	25
Faeroe Is.	13	14	14	12	13	16	14	15	14	17	13	13
Finland	14	13	16	12	17	16	14	14	13	19	16	15
France	16	16	19	17	20	20	20	21	22	22	25	24
German D.R.	12	18	17	17	18	18	20	19	15	20	14	19
Germany F.R.	22	26	28	24	23	26	30	29	27	27	27	30
Greece	7	7	8	9	9	10	11	11	12	13	13	13
Hungary	7	9	9	8	7	12	9	9	11	10	12	12
Iceland	19	14	13	12	18	9	13	16	8	8	8	8
Ireland	25	25	24	21	23	25	27	27	26	26	28	24
Italy	10	9	11	11	10	11	12	12	13	13	14	15
Liechtenstein	20	20	20	20	22	22	22	23	18	18	19	19
Malta	8	8	9	7	6	6	7	7	9	7	7	9
Netherlands	28	30	29	33	26	32	35	34	32	36	37	37
Norway	23	18	24	16	23	24	20	24	26	26	23	22
Poland	16	13	16	17	15	17	18	18	17	18	15	18
Portugal	10	9	11	10	9	9	11	10	10	11	10	10
Romania	10	9	8	8	7	11	10	11	7	7	12	12
Spain	12	10	12	12	11	12	12	12	13	13	12	13
Sweden	18	19	23	21	25	25	26	26	18	28	25	25
Switzerland	24	23	27	27	23	27	30	30	30	32	38	32

continued

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
ASIA	9	9	10	11	10	11	11	12	12	13	13	13	13
Afghanistan	11	11	11	18	11	14	14	15	15	16	16	15	13
Bangladesh	10	9	9	9	10	10	9	10	10	10	11	11	10
Bhutan	7	7	7	7	7	7	7	7	7	7	7	7	7
Burma	5	5	4	5	5	5	5	10	10	9	9	9	10
China	8	8	9	10	10	10	10	12	11	12	12	12	11
Cyprus	19	21	19	20	23	24	23	23	23	22	22	23	22
East Timor	7	8	...	...	...	...	...	...	...	...	...	...	...
Gaza Strip	18	18	18	18	18	14	15	17	20	16	16	16	17
India	9	9	11	12	12	12	13	12	13	13	14	15	15
Indonesia	8	7	7	8	11	9	9	9	7	8	8	7	7
Iran	19	18	16	18	14	14	14	15	16	16	15	14	14
Iraq	10	8	8	10	11	15	15	21	19	19	20	17	16
Israel	29	27	33	32	33	34	35	34	40	42	45	37	36
Japan	23	21	23	27	27	26	27	28	25	30	28	28	29
Jordan	4	6	11	21	13	15	15	17	18	17	19	19	19
Korea D.P.R.	11	11	12	12	12	13	13	12	12	12	12	12	13
Korea Rep.	11	11	13	12	11	8	11	12	14	15	14	17	19
Laos	7	7	7	7	7	8	8	8	8	9	9	9	9
Lebanon	13	11	4	5	7	11	16	19	16	15	15	15	15
Mongolia	10	6	9	8	8	7	10	5	9	10	10	13	11
Nepal	6	6	6	6	5	5	5	5	6	6	6	7	6
Oman	...	...	...	...	3	3	3	3	3	3	3	4	4
Pakistan	10	10	10	11	12	10	10	10	10	11	10	10	10
Philippines	6	6	6	6	6	6	8	9	10	10	8	11	11
Saudi Arabia	8	7	3	5	...	11	12	8	10	7	10	16	16
Sri Lanka	8	8	7	9	9	10	9	11	12	12	13	11	12
Syria	13	12	13	13	13	14	16	16	14	17	16	17	17
Taiwan	12	12	13	13	10	12	12	12	12	14	11	15	14
Thailand	7	7	7	7	11	11	11	11	11	11	11	11	11
Turkey	12	12	14	15	16	15	17	16	17	17	16	17	17
U.A.Emirates	...	...	15	17	21	18	19	15	10	12	10	10	10
Viet Nam	15	12	11	10	9	10	7	10	8	9	8	9	8
Yemen A.R.	12	11	11	11	12	12	12	12	12	12	13	15	13
Yemen Dem.	5	5	9	17	13	10	10	11	12	11	12	11	11
EUROPE	19	20	17	18	19	20	21	16	20	18	18	21	21
Albania	6	7	7	7	8	8	8	6	7	6	9	9	9
Austria	25	24	23	24	22	25	26	24	26	25	25	28	28
Belgium-Lux.	33	43	35	22	39	43	39	37	42	43	34	44	38
Bulgaria	12	11	11	12	11	11	11	9	11	12	10	11	10
Czechoslovakia	17	16	14	18	16	18	18	14	19	18	17	21	19
Denmark	25	28	22	17	25	27	27	25	29	36	28	36	36
Faeroe Is.	13	15	13	14	14	14	14	14	14	14	14	14	14
Finland	15	11	14	18	16	17	16	18	13	15	18	18	18
France	23	24	23	15	26	27	26	29	31	32	28	33	38
German D.R.	18	21	13	11	18	19	22	18	21	18	15	24	24
Germany F.R.	28	31	26	24	28	30	31	26	31	30	25	33	36
Greece	14	14	15	16	15	14	15	17	17	16	17	18	18
Hungary	11	13	13	12	13	16	14	15	18	17	16	20	19
Iceland	9	13	9	9	10	13	8	15	13	15	12	13	14
Ireland	28	28	25	25	29	24	28	21	19	23	20	23	23
Italy	16	16	16	17	17	16	18	18	19	17	17	18	17
Liechtenstein	19	19	19	19	19	19	19	19	19	19	19	19	19
Malta	9	8	8	9	8	7	9	11	7	7	8	7	7
Netherlands	37	43	33	30	34	39	38	36	39	37	33	42	42
Norway	23	29	19	20	25	27	24	28	26	25	22	26	25
Poland	19	18	18	20	17	20	20	11	19	15	16	17	17
Portugal	10	10	9	8	10	9	9	10	8	9	8	9	9
Romania	9	13	9	16	14	15	16	14	15	16	19	20	21
Spain	14	14	14	14	15	14	16	16	16	15	15	17	18
Sweden	21	27	20	23	27	30	31	27	29	26	23	33	29
Switzerland	36	39	37	31	30	37	36	35	43	40	30	40	37

continued

TABLE 9 (CONTINUED)
Potato yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
United Kingdom	22	23	22	23	25	24	25	25	25	28	29	28
Yugoslavia	8	8	9	8	7	10	9	9	10	9	9	8
OCEANIA	14	16	16	15	16	18	18	18	20	20	22	22
Australia	12	14	15	14	15	17	16	16	18	18	20	20
Fiji	5	5	5	5	4	5	5	5	5	6	6	6
Fr. Polynesia	10	10	10	10	10	10	10	10	10	10	10	12
New Caledonia	6	6	8	9	7	8	7	8	8	9	6	8
New Zealand	21	21	20	20	22	21	28	29	30	30	30	31
Papua N. Guinea	7	6	5	4	4	4	6	3	1	7	7	11
U.S.S.R.	9	8	8	11	10	10	11	12	11	12	12	10
DEVELOPING NATIONS	6	6	6	6	6	7	7	7	7	7	8	7
DEVELOPED NATIONS	13	12	13	14	14	14	15	16	15	16	15	15



Country	73	74	75	76	77	78	79	80	81	82	83	84	85
United Kingdom	30	32	23	22	29	34	32	34	32	36	30	37	36
Yugoslavia	9	10	8	9	10	8	9	9	10	9	9	9	9
OCEANIA	22	20	21	22	23	22	23	24	24	25	24	27	25
Australia	20	19	20	21	22	21	23	23	24	25	23	27	26
Fiji	6	6	6	6	6	6	6	6	6	5	5	6	6
Fr.Polynesia	10	10	10	10	10	10	10	10	10	10	7	8	8
New Caledonia	11	10	10	7	5	5	4	9	5	7	6	4	4
New Zealand	30	26	25	26	27	26	27	28	27	27	29	30	26
Papua N.Guinea	30	8	1	4	4	4	5	7	8	3	5	5	9
U.S.S.R.	13	10	11	12	12	12	13	10	11	11	12	13	11
DEVELOPING NATIONS	8	9	9	10	10	10	10	11	11	12	12	12	12
DEVELOPED NATIONS	17	15	15	16	16	17	17	14	16	15	15	17	17

NOTES: See Table 1.

TABLE 10
Sweet potato production, 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	98461	105688	98411	93645	108690	120076	119007	118546	126563	137227	126532	121598
AFRICA	3281	3570	3421	3229	3172	3225	3558	3590	3757	4132	4296	4096
Angola	90	100	125	140	150	125	145	140	145	147	150	155
Benin	29	61	36	21	38	48	50	60	71	73	54	50
Burkina Faso	32	32	40	35	35	35	33	16	26	34	34	32
Burundi	470	470	470	480	480	500	500	500	500	425	435	390
Cameroon	121	110	101	91	111	96	104	112	125	149	128	155
Cape Verde	7	8	7	7	7	6	7	3	4	2	1	0
Chad	48	50	45	40	35	30	28	26	25	25	26	27
Comoros	7	7	8	9	10	11	10	11	10	10	12	12
Congo	6	7	7	8	8	9	9	10	10	10	11	11
Cote d'Ivoire	17	18	18	19	20	21	21	21	21	21	21	21
Egypt	88	77	82	88	86	83	68	78	91	85	84	86
Eq. Guinea	25	25	25	25	25	25	25	25	27	27	28	28
Gabon	2	2	2	2	2	2	2	2	3	3	3	3
Guinea	83	87	81	84	85	85	85	80	82	82	82	75
Kenya	140	150	160	170	180	199	200	210	220	230	240	250
Liberia	8	8	8	8	8	11	12	12	12	12	13	12
Madagascar	303	290	330	338	341	349	357	364	367	350	328	312
Mali	30	30	31	31	32	32	33	34	35	35	35	30
Mauritania	2	2	2	2	2	2	2	2	2	2	2	2
Mauritius	1	1	1	0	0	0	0	0	0	0	0	0
Mozambique	31	31	31	31	32	21	22	29	40	40	40	42
Niger	27	30	24	24	20	7	13	10	9	8	9	12
Nigeria	149	154	159	164	169	174	179	185	190	113	115	120
Reunion	3	3	3	3	3	3	4	4	4	5	5	5
Rwanda	452	657	421	239	203	257	360	368	324	413	399	414
Senegal	16	16	15	7	6	11	15	19	16	10	8	5
Sierra Leone	9	9	9	9	14	21	20	12	20	19	20	19
Somalia	2	2	2	2	2	2	2	2	3	3	3	3
South Africa	41	44	36	39	36	35	41	40	36	43	37	42
Sudan	10	10	10	12	12	12	14	16	18	20	24	32
Swaziland	7	8	8	8	8	8	8	8	8	8	7	7
Tanzania	215	210	211	195	200	237	254	253	229	245	229	223
Togo	5	4	5	7	6	8	8	9	7	1	2	3
Uganda	495	550	605	610	600	520	658	660	800	1200	1425	1224
Zaire	299	295	291	266	192	227	252	253	260	264	267	274
Zambia	11	12	13	14	15	15	16	16	16	17	17	18
Zimbabwe	1	1	0	0	0	1	1	1	1	1	1	1
N. & C. AMERICA	1195	1404	1351	1316	1420	1378	1364	1350	1408	1378	1313	1326
Barbados	9	12	8	6	7	7	7	6	5	6	7	8
Cuba	142	201	240	250	250	240	230	233	240	230	245	246
Dominica	1	1	1	1	1	1	1	1	1	1	1	1
Dominican Rp.	72	77	75	77	77	77	75	78	84	87	91	95
Grenada	0	0	0	0	0	0	1	1	1	1	1	0
Guadeloupe	12	12	13	13	6	6	2	6	6	6	6	6
Haiti	180	190	200	210	220	230	240	260	250	260	270	250
Honduras	1	1	1	1	1	1	1	1	1	1	1	1
Jamaica	9	8	11	15	15	20	11	12	15	13	20	20
Martinique	4	4	4	4	5	5	5	5	6	6	6	7
Mexico	92	103	126	129	114	145	159	123	143	155	129	126
Puerto Rico	13	13	13	12	14	14	13	10	11	10	9	7
Saint Lucia	1	1	1	1	1	1	1	1	1	1	1	1
St. Vincent	5	5	5	5	7	7	5	5	5	4	4	3
Trinidad Tob.	1	1	1	1	1	2	2	1	2	1	2	1
United States	654	777	652	589	702	620	612	607	638	597	522	552
SOUTH AMERICA	2091	2131	2273	2312	2378	2613	3013	2815	3020	2969	2998	2951
Argentina	388	365	366	342	341	362	444	379	480	438	454	373
Bolivia	10	11	11	11	11	11	11	11	12	12	13	13
Brazil	1356	1448	1546	1598	1721	1913	2226	2120	2175	2134	2156	2249
Chile	7	8	9	10	10	12	12	14	14	14	14	10

continued

60

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	149411	129397	128000	115313	125388	129288	116881	115713	105543	107477	116626	115086	110842
AFRICA	4303	5041	5479	5830	5442	5885	5726	5275	5562	6110	6005	5991	6305
Angola	160	165	160	165	170	170	180	180	180	180	180	180	180
Benin	54	52	55	57	60	64	60	36	30	27	31	34	38
Burkina Faso	27	27	35	40	40	40	42	44	44	43	43	42	43
Burundi	445	355	450	460	465	625	468	470	490	490	502	517	520
Cameroon	144	150	140	140	135	135	130	130	140	140	110	130	140
Cape Verde	1	1	1	1	1	1	1	6	7	2	2	2	2
Chad	25	26	30	32	33	34	35	35	35	35	35	38	40
Comoros	12	13	13	13	14	14	15	15	16	16	16	17	18
Congo	12	12	12	12	12	12	12	13	13	13	13	13	13
Cote d'Ivoire	21	23	24	22	20	18	16	14	12	12	12	12	12
Egypt	60	60	75	69	68	63	104	86	86	125	83	90	100
Eq. Guinea	28	29	30	30	32	33	33	34	34	34	34	35	35
Gabon	3	2	1	1	1	1	1	1	1	1	1	1	1
Guinea	68	69	69	71	71	72	73	68	68	69	69	70	70
Kenya	260	270	280	235	258	330	340	330	364	530	265	280	280
Liberia	12	14	15	15	15	15	15	15	16	16	17	17	18
Madagascar	246	267	279	472	388	325	365	373	399	356	463	463	450
Mali	30	35	35	40	40	45	48	49	50	51	53	54	55
Mauritania	1	2	2	2	2	2	2	2	2	2	2	2	2
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	42	40	35	40	40	40	45	45	45	45	45	45	45
Niger	16	7	13	55	41	24	28	17	16	30	31	31	32
Nigeria	180	190	190	200	200	220	230	240	240	250	260	280	260
Reunion	5	5	5	5	5	4	1	1	1	1	1	2	2
Rwanda	426	612	675	694	702	773	868	871	958	1027	1007	731	900
Senegal	8	7	6	5	8	9	7	7	8	8	8	8	8
Sierra Leone	19	19	19	11	10	11	11	12	13	13	13	13	13
Somalia	3	3	3	3	3	3	3	3	4	4	4	4	4
South Africa	41	43	39	41	44	44	47	46	45	44	47	52	56
Sudan	30	45	40	41	40	40	41	42	43	43	43	40	44
Swaziland	4	7	9	10	3	9	10	8	2	1	1	5	5
Tanzania	380	384	459	513	527	696	593	550	540	530	530	500	530
Togo	4	6	6	6	6	6	6	7	7	7	7	7	7
Uganda	1231	1786	1953	2002	1659	1689	1576	1200	1300	1600	1700	1900	2000
Zaire	285	294	300	306	307	298	300	303	335	345	355	355	360
Zambia	18	19	19	20	20	20	20	20	20	21	22	22	22
Zimbabwe	2	2	2	1	1	1	1	1	1	0	1	1	1
N. & C. AMERICA	1292	1365	1335	1366	1352	1438	1361	1253	1333	1444	1377	1454	1495
Barbados	4	2	4	3	5	5	2	5	3	4	4	2	2
Cuba	241	248	248	250	263	311	316	325	328	330	332	335	330
Dominica	1	1	1	1	1	1	1	1	1	1	1	1	1
Dominican Rp.	93	93	80	84	78	99	59	68	32	21	35	58	46
Grenada	0	0	0	0	0	0	0	0	0	0	0	0	0
Guadeloupe	6	6	6	5	4	5	5	5	8	8	9	8	8
Haiti	260	290	295	300	346	306	265	282	282	313	346	350	350
Honduras	1	1	1	1	1	1	2	2	2	1	2	2	2
Jamaica	16	21	15	16	22	39	21	21	24	17	24	36	30
Martinique	7	7	7	6	5	5	5	5	7	8	7	7	7
Mexico	96	76	78	81	74	56	63	28	49	51	51	50	50
Puerto Rico	7	8	8	8	7	8	9	9	10	10	10	10	8
Saint Lucia	1	1	1	1	1	1	1	1	1	1	1	1	1
St. Vincent	3	2	2	3	1	2	1	2	1	1	2	2	2
Trinidad Tob.	3	3	3	3	3	3	2	2	2	2	2	2	2
United States	552	605	585	603	540	595	606	497	581	673	548	589	654
SOUTH AMERICA	2657	2252	2405	2109	1770	1563	1487	1323	1292	1470	1318	1429	1365
Argentina	474	295	418	348	330	320	322	302	247	368	310	325	325
Bolivia	15	16	16	19	20	14	14	15	8	9	5	8	7
Brazil	1828	1595	1600	1378	1074	882	819	726	762	747	682	763	750
Chile	9	9	8	8	8	7	7	7	7	7	7	7	7

continued

61

TABLE 10 (CONTINUED)
Sweet potato production, 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
Ecuador	22	23	17	16	8	8	8	7	11	10	7	9
Paraguay	72	70	74	86	100	90	90	85	94	99	99	72
Peru	145	146	159	166	124	133	150	145	156	178	168	154
Uruguay	87	58	87	79	60	80	70	49	74	79	85	66
Venezuela	4	4	4	4	3	4	3	4	4	4	4	4
ASIA	91334	98025	90798	86231	101173	112312	110516	110246	117827	128182	117345	112621
Bangladesh	330	350	370	400	440	454	733	772	806	852	832	747
Brunei Darus.	1	1	1	0	0	0	0	0	0	0	1	1
Burma	4	5	5	6	9	8	12	12	13	15	17	16
China	74020	80000	73600	66500	83300	94750	94250	93650	101350	111900	101850	98100
East Timor	10	12	13	15	13	13	13	15	18	16	12	11
Hong Kong	35	29	29	19	20	12	11	10	7	2	2	2
India	1261	858	850	855	1098	991	1297	1664	1944	2397	2440	2267
Indonesia	2464	3680	3070	3958	2651	2476	2144	2364	2260	2175	2211	2066
Israel	0	0	0	0	1	1	1	1	1	0	0	0
Japan	6491	6330	6732	5936	5025	4946	4132	3713	2968	2670	2132	2061
Kampuchea Dm.	27	27	29	30	21	13	13	16	22	23	17	20
Korea D.P.R.	220	228	240	248	256	256	260	264	268	272	280	292
Korea Rep.	938	1151	1404	2651	2997	2690	1671	2049	2123	2136	1901	1877
Laos	7	8	8	12	15	15	15	15	15	15	15	15
Malaysia	135	140	141	145	135	157	155	146	127	125	105	93
Pakistan	7	8	8	9	9	10	10	10	11	11	12	12
Philippines	696	749	784	725	701	687	672	706	731	657	651	648
Singapore	4	5	5	5	5	4	4	4	4	4	4	3
Sri Lanka	58	43	52	68	51	63	73	76	66	72	57	56
Taiwan	3234	3080	2148	3348	3131	3460	3720	3445	3702	3441	3391	2928
Thailand	165	190	208	180	196	230	247	250	265	280	295	305
Viet Nam	1226	1133	1100	1121	1100	1076	1084	1065	1126	1120	1120	1101
EUROPE	193	189	197	183	169	155	155	146	141	139	140	140
Greece	2	2	2	1	2	2	2	2	2	2	2	2
Italy	27	29	32	36	36	32	36	34	29	26	25	24
Portugal	50	50	55	60	65	70	74	70	70	68	69	68
Spain	114	108	107	86	67	51	43	40	40	42	45	45
OCEANIA	367	370	372	374	378	394	400	399	410	428	440	464
Australia	1	2	2	2	2	1	2	1	1	1	1	3
Cook Island	2	2	2	2	2	2	2	2	2	2	1	1
Fiji	5	5	5	5	6	6	6	7	7	7	7	7
Fr.Polynesia	1	1	1	1	1	1	1	1	1	1	1	1
New Caledonia	3	3	3	3	3	5	3	3	3	3	3	3
New Zealand	3	3	3	4	4	4	6	6	7	8	7	8
Pacific Is.	4	4	4	3	3	3	3	3	3	3	3	3
Papua N.Guinea	295	296	296	298	300	315	320	320	330	348	360	380
Solomon Is.	39	40	42	42	43	44	45	42	42	41	41	42
Tonga	14	14	14	14	14	14	14	14	14	13	15	15
DEVELOPING NATIONS	91077	98343	90790	86892	102752	114315	114059	114032	122771	133769	123692	118791
DEVELOPED NATIONS	7384	7345	7621	6753	5938	5762	4949	4514	3793	3459	2840	2806

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
Ecuador	8	11	14	17	6	4	4	3	4	5	7	8	7
Paraguay	88	97	105	114	119	117	106	112	115	119	115	110	102
Peru	158	146	162	163	158	153	149	94	85	151	127	141	100
Uruguay	73	79	79	60	50	60	60	60	60	60	60	60	60
Venezuela	4	4	3	4	4	5	5	4	4	4	6	7	7
ASIA	140554	120117	118144	105360	116171	119742	107646	107189	96685	97788	107258	105551	101001
Bangladesh	691	637	719	791	756	783	795	791	704	688	714	713	683
Brunei Darus.	1	1	1	1	1	1	0	0	0	0	0	0	0
Burma	17	19	18	19	18	17	19	19	21	24	24	24	25
China	126100	106700	104600	92300	103350	106750	94800	95150	84850	87000	96250	94400	90000
East Timor	14	15	0	0	0	0	0	0	0	0	0	0	0
Hong Kong	1	2	2	1	1	1	0	0	0	0	0	0	0
India	2082	1550	1658	1811	1555	1589	1623	1313	1502	1696	1587	1586	1523
Indonesia	2387	2470	2433	2381	2460	2083	2194	2079	2094	1676	2213	2338	1876
Israel	0	0	0	1	1	1	1	1	1	2	1	2	2
Japan	1613	1435	1418	1279	1431	1371	1360	1317	1458	1384	1379	1400	1527
Kampuchea Dm.	20	21	17	22	23	19	14	15	14	17	25	30	30
Korea D.P.R.	300	320	332	344	360	365	368	374	380	400	400	450	470
Korea Rep.	1669	1450	1953	1783	1560	1627	1387	1103	1109	843	1012	895	787
Laos	16	13	10	14	18	22	25	28	29	30	35	38	40
Malaysia	85	68	79	79	75	74	57	57	59	56	52	50	50
Pakistan	13	14	15	12	8	10	9	12	12	20	20	21	22
Philippines	748	916	986	829	888	1037	1123	1048	1010	1038	813	777	1005
Singapore	3	2	1	1	1	1	1	1	1	1	0	0	0
Sri Lanka	91	157	194	186	128	133	149	127	159	153	118	147	140
Taiwan	3204	2708	2403	1851	1695	1463	1225	1055	834	741	560	424	465
Thailand	319	340	385	326	324	330	335	340	348	355	355	355	355
Viet Nam	1179	1200	920	1328	1520	2067	2162	2358	2100	1665	1700	1900	2000
EUROPE	131	135	131	140	140	133	135	134	123	116	114	101	110
Greece	2	2	2	3	4	4	4	4	9	2	4	4	4
Italy	21	23	23	26	25	21	21	21	20	17	17	15	13
Portugal	66	68	67	67	65	65	65	65	46	48	53	40	45
Spain	43	42	38	43	46	43	46	44	47	50	40	42	48
OCEANIA	474	488	506	507	512	526	526	539	548	549	555	560	566
Australia	3	3	2	3	3	3	3	4	4	4	3	4	5
Cook Island	1	1	1	1	1	1	1	1	1	1	1	1	2
Fiji	7	7	7	8	8	8	8	8	9	6	6	8	8
Fr.Polynesia	1	1	2	2	2	2	2	2	2	1	1	1	1
New Caledonia	3	3	3	3	3	3	3	3	3	3	3	4	4
New Zealand	8	9	7	6	6	15	8	16	10	7	7	8	8
Pacific Is.	3	3	3	3	3	3	3	3	4	4	3	3	3
Papua N.Guinea	388	400	420	422	425	430	436	440	450	455	460	464	469
Solomon Is.	43	44	43	44	45	45	45	45	49	51	52	49	50
Tonga	16	16	16	15	16	16	16	16	17	17	17	17	17
DEVELOPING NATIONS	147062	127166	125817	113241	123223	127126	114721	113698	103321	105248	114526	112930	108481
DEVELOPED NATIONS	2349	2231	2183	2072	2165	2162	2160	2014	2221	2229	2100	2156	2361

NOTES: See Table 1.

TABLE 11

Sweet potato area, 1961-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	11849	12272	11842	11454	10947	11189	10517	10070	10241	10265	10118	10093
AFRICA	610	671	658	634	636	593	580	508	775	913	1008	1034
Angola	15	15	17	18	18	16	17	17	17	18	18	18
Benin	7	17	15	5	11	13	14	16	18	18	15	15
Burkina Faso	15	25	12	15	15	15	16	8	12	12	12	12
Burundi	67	67	67	68	68	70	70	70	70	70	70	70
Cameroon	47	42	39	33	44	33	35	36	47	39	39	41
Cape Verde	3	3	3	3	3	3	3	1	2	2	1	0
Chad	9	10	8	7	6	5	5	5	5	5	5	5
Comoros	1	1	1	1	1	1	1	1	1	1	1	1
Congo	1	1	1	1	1	2	2	2	2	2	2	2
Cote d'Ivoire	9	9	9	10	10	10	11	11	11	11	11	11
Egypt	5	4	4	4	4	4	3	4	4	4	4	4
Eq. Guinea	6	6	6	6	6	6	6	6	7	7	8	8
Gabon	1	1	1	1	1	1	1	1	2	2	2	2
Guinea	10	10	10	10	10	10	10	10	10	10	10	10
Kenya	25	26	26	27	27	28	28	29	29	30	30	31
Liberia	1	1	1	1	1	1	1	1	1	1	1	1
Madagascar	60	60	53	54	54	55	56	57	58	61	60	65
Mali	3	3	3	3	3	3	3	3	3	3	3	3
Mauritania	2	2	2	2	2	2	2	2	3	3	4	4
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	6	6	6	6	6	5	5	6	8	8	8	8
Niger	2	2	2	2	1	1	1	1	1	1	1	1
Nigeria	13	13	13	14	14	14	15	15	16	15	15	14
Reunion	0	0	0	0	0	0	0	0	0	0	0	0
Rwanda	60	82	81	70	58	37	48	53	61	69	67	73
Senegal	3	2	2	1	1	2	3	8	4	2	3	1
Sierra Leone	3	3	3	3	6	8	8	6	7	7	7	7
Somalia	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	8	14	15	15	15	15	15	14	14	13	13	13
Sudan	0	0	0	0	0	0	1	1	1	1	1	1
Swaziland	2	2	2	2	2	2	2	2	2	2	2	2
Tanzania	31	32	29	29	35	36	37	38	34	40	42	42
Togo	1	1	1	2	2	2	2	2	2	1	1	1
Uganda	141	157	173	174	170	150	106	118	270	400	495	510
Zaire	50	50	50	45	37	41	51	52	52	53	54	55
Zambia	2	2	2	2	2	2	2	2	2	2	2	3
Zimbabwe	0	0	0	0	0	0	0	0	0	0	1	1
N. & C. AMERICA	175	199	202	201	206	205	198	199	200	199	193	189
Barbados	1	1	1	1	1	1	1	1	1	1	1	1
Cuba	32	46	55	60	60	60	60	62	62	63	63	63
Dominica	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	8	9	9	9	9	9	8	9	10	9	11	12
Grenada	0	0	0	0	0	0	0	0	0	0	0	0
Guadeloupe	1	1	1	1	1	1	0	1	1	1	1	1
Haiti	35	37	39	40	42	44	46	50	48	50	52	48
Honduras	0	0	0	0	0	0	0	0	0	0	0	0
Jamaica	1	1	1	2	2	3	2	2	2	2	2	3
Martinique	0	0	0	0	0	1	1	1	1	1	1	1
Mexico	15	15	18	19	14	16	18	14	15	16	12	11
Puerto Rico	5	5	5	4	5	5	4	3	3	3	2	2
Saint Lucia	0	0	0	0	0	0	0	0	0	0	0	0
St. Vincent	2	2	3	3	3	3	2	1	1	1	1	1
Trinidad Tob.	0	0	0	0	0	0	0	0	0	0	0	0
United States	74	82	69	61	68	63	56	55	55	52	46	46
SOUTH AMERICA	219	223	233	238	249	253	267	261	272	269	267	255
Argentina	38	36	36	35	36	36	42	41	46	44	42	35
Bolivia	1	1	1	1	1	1	1	1	2	2	2	2
Brazil	137	145	152	158	168	175	185	182	185	181	183	174
Chile	1	1	1	1	1	1	1	1	1	1	1	1

continued

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	10276	9946	9869	9442	9643	9938	9046	8820	8490	8285	8141	7940	7913
AFRICA	924	1059	1121	1175	1078	1116	896	878	1011	1082	1086	1096	1100
Angola	18	18	18	18	18	18	19	19	19	19	19	19	19
Benin	13	13	14	14	15	16	15	12	7	6	6	7	7
Burkina Faso	10	10	12	15	15	15	15	15	15	15	15	15	15
Burundi	70	70	70	70	70	85	80	75	75	75	75	76	78
Cameroon	39	43	40	40	39	39	38	38	38	39	35	37	37
Cape Verde	1	1	1	1	1	1	1	3	3	1	1	1	1
Chad	5	5	6	6	6	6	6	6	6	6	6	6	6
Comoros	1	1	1	1	2	2	2	2	2	2	2	2	2
Congo	2	2	2	2	2	2	2	2	2	2	2	2	2
Cote d'Ivoire	11	12	13	11	10	9	8	7	6	6	6	6	6
Egypt	3	3	4	3	3	3	4	4	4	5	3	4	4
Eq.Guinea	8	8	9	9	9	10	11	11	12	12	12	12	12
Gabon	2	2	1	1	1	1	1	1	1	1	1	1	1
Guinea	9	9	9	9	10	10	10	10	10	10	10	10	10
Kenya	31	32	32	34	36	37	38	38	36	53	29	30	30
Liberia	1	1	2	2	2	2	2	2	2	2	2	2	2
Madagascar	53	60	60	79	73	70	78	77	86	86	96	97	91
Mali	3	3	3	4	4	4	4	4	4	4	5	5	5
Mauritania	2	4	4	5	5	5	2	2	2	2	2	2	2
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	8	8	8	9	9	9	9	9	9	9	9	9	9
Niger	2	1	1	8	6	4	5	4	4	5	5	5	5
Nigeria	14	15	15	16	16	18	18	19	19	19	20	20	20
Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0
Rwanda	74	82	87	90	92	96	106	114	121	121	121	93	100
Senegal	3	4	3	3	2	2	1	2	2	2	2	2	2
Sierra Leone	8	8	8	5	5	5	5	6	6	6	6	6	6
Somalia	0	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	13	13	13	13	13	13	13	13	13	13	13	14	14
Sudan	1	2	2	2	2	2	2	2	2	2	2	2	2
Swaziland	1	2	1	2	1	1	1	1	1	1	0	1	1
Tanzania	56	57	67	76	80	90	85	85	85	85	84	84	84
Togo	1	2	2	2	2	2	2	2	2	2	2	2	2
Uganda	400	506	550	564	467	476	248	231	350	400	420	450	450
Zaire	57	58	60	61	62	63	63	63	67	69	71	72	72
Zambia	3	3	3	3	3	3	3	3	3	3	3	3	3
Zimbabwe	1	1	1	1	0	0	0	0	0	0	0	0	0
N. & C. AMERICA	188	194	193	196	198	210	209	205	206	208	211	214	213
Barbados	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuba	63	64	65	66	67	80	80	80	81	82	83	84	83
Dominica	0	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	12	12	10	11	10	14	8	10	6	4	6	7	7
Grenada	0	0	0	0	0	0	0	0	0	0	0	0	0
Guadeloupe	1	1	1	1	0	1	1	1	1	1	1	1	1
Haiti	50	55	57	57	63	56	63	63	64	65	70	70	70
Honduras	0	0	0	0	0	0	0	1	0	0	0	0	0
Jamaica	2	3	2	2	3	5	2	2	3	2	3	4	3
Martinique	1	1	1	1	1	1	1	1	1	1	1	1	1
Mexico	9	7	7	7	7	6	5	2	3	3	3	3	3
Puerto Rico	2	1	1	2	2	2	2	2	1	1	1	1	1
Saint Lucia	0	0	0	0	0	0	0	0	0	0	0	0	0
St.Vincent	1	1	1	2	1	1	1	1	1	1	1	1	1
Trinidad Tob.	0	0	0	0	0	0	0	0	0	0	0	0	0
United States	45	48	46	46	43	45	46	41	44	47	41	42	43
SOUTH AMERICA	246	227	243	227	204	182	175	160	149	162	150	157	152
Argentina	42	33	41	38	36	34	34	34	24	32	28	31	31
Bolivia	2	2	2	3	3	3	3	3	1	2	1	2	2
Brazil	159	148	153	138	117	98	92	84	84	82	77	81	80
Chile	1	1	1	1	1	1	1	1	1	1	1	1	1

continued

TABLE 11 (CONTINUED)
Sweet potato area, 1951-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
Ecuador	5	5	5	4	3	3	2	2	3	3	2	3
Paraguay	8	7	8	9	11	9	9	8	9	9	9	12
Peru	12	12	13	13	12	12	12	12	13	14	14	13
Uruguay	15	13	16	16	16	14	13	11	13	14	13	13
Venezuela	2	2	2	2	2	1	1	1	1	2	1	2
ASIA	10743	11077	10646	10278	9754	10036	9369	8908	8888	8776	8540	8505
Bangladesh	37	39	41	44	46	44	59	67	70	73	73	67
Brunei Darus.	0	0	0	0	0	0	0	0	0	0	0	0
Burma	1	1	1	1	2	2	2	2	3	3	4	3
China	9114	9258	8880	8345	8039	8335	7705	7197	7236	7207	6994	7030
East Timor	2	2	2	2	2	2	2	2	3	3	3	3
Hong Kong	3	3	4	2	2	1	1	1	1	0	0	0
India	163	138	133	130	155	179	206	223	242	213	220	195
Indonesia	366	544	484	620	416	402	360	404	369	358	357	339
Israel	0	0	0	0	0	0	0	0	0	0	0	0
Japan	336	330	318	301	261	249	219	191	158	133	111	95
Kampuchea Dm.	2	3	3	4	3	2	1	2	2	3	2	2
Korea D.P.R.	16	16	17	18	20	19	20	20	20	21	21	21
Korea Rep.	62	76	91	133	152	148	137	136	135	127	111	104
Laos	1	2	2	2	2	2	2	2	2	2	2	2
Malaysia	9	9	9	9	10	9	9	6	6	5	6	6
Pakistan	1	1	1	1	1	1	1	1	1	1	1	1
Philippines	135	152	158	146	139	132	132	135	135	128	139	144
Singapore	1	1	1	1	1	1	1	1	0	0	0	0
Sri Lanka	11	10	16	14	14	15	19	20	19	16	15	15
Taiwan	236	234	227	246	234	235	236	240	233	229	225	211
Thailand	22	26	28	27	27	34	31	32	32	32	33	34
Viet Nam	225	234	231	233	229	225	226	226	222	223	223	233
EUROPE	18	17	18	16	15	15	15	14	14	14	15	13
Greece	0	0	0	0	0	0	0	0	0	0	0	0
Italy	2	2	2	2	2	2	2	2	2	1	1	1
Portugal	7	7	8	8	8	9	9	9	9	8	9	8
Spain	9	8	8	6	5	4	3	3	3	4	4	4
OCEANIA	85	86	86	86	87	87	88	90	92	94	95	97
Australia	0	0	0	0	0	0	0	0	0	0	0	0
Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0
Fiji	1	1	1	1	1	1	1	1	1	1	1	1
Fr.Polynesia	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	1	1	1	1	1	1	1	1	1	1	1	1
New Zealand	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Is.	1	1	1	0	0	0	0	0	0	0	0	0
Papua N.Guinea	74	74	74	75	75	75	76	78	80	82	83	85
Solomon Is.	4	4	4	4	4	4	4	4	4	4	4	4
Tonga	5	5	5	5	5	5	5	5	5	5	5	6
DEVELOPING NATIONS	11413	11829	11422	11060	10587	10847	10211	9795	9999	10054	9934	9326
DEVELOPED NATIONS	436	443	420	393	360	342	306	275	242	212	185	167

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
Ecuador	2	2	3	3	1	1	1	1	1	1	1	2	2
Paraguay	12	13	13	14	14	15	14	14	15	15	15	14	13
Peru	13	13	14	14	15	14	14	8	6	13	11	10	7
Uruguay	14	14	14	15	15	15	15	15	15	15	15	15	15
Venezuela	2	2	1	1	1	1	1	1	1	1	1	1	1
ASIA	8806	8351	8194	7724	8043	8309	7643	7453	7001	6709	6570	6349	6321
Bangladesh	64	61	67	72	71	72	73	72	68	66	66	65	62
Brunei Darus.	0	0	0	0	0	0	0	0	0	0	0	0	0
Burma	3	4	4	4	4	4	4	4	4	5	5	5	5
China	7295	6858	6750	6256	6517	6784	6142	5943	5611	5353	5200	5000	5000
East Timor	3	3	0	0	0	0	0	0	0	0	0	0	0
Hong Kong	0	0	0	0	0	0	0	0	0	0	0	0	0
India	205	233	231	251	234	238	220	207	209	225	217	216	202
Indonesia	379	333	311	301	326	301	287	276	275	220	280	283	211
Israel	0	0	0	0	0	0	0	0	0	0	0	0	0
Japan	76	68	69	66	64	65	64	65	65	66	65	65	66
Kampuchea Dm.	3	3	2	3	3	2	2	2	2	2	3	3	3
Korea D.P.R.	22	24	24	24	25	26	27	28	29	30	30	30	32
Korea Rep.	97	80	95	87	77	74	61	55	50	45	42	37	33
Laos	2	2	1	2	2	2	3	3	3	3	3	4	4
Malaysia	4	3	3	3	4	4	3	3	4	3	3	3	3
Pakistan	1	1	1	1	1	1	1	1	1	1	1	1	1
Philippines	160	190	196	209	222	228	238	236	221	209	183	164	214
Singapore	0	0	0	0	0	0	0	0	0	0	0	0	0
Sri Lanka	27	41	48	46	28	21	16	14	17	16	14	16	16
Taiwan	201	180	157	124	109	92	74	62	54	46	36	28	30
Thailand	35	38	41	34	36	36	36	38	39	40	40	40	40
Viet Nam	230	230	195	244	321	360	392	443	350	380	382	390	400
EUROPE	14	13	13	13	13	13	12	12	10	10	10	9	10
Greece	0	0	0	0	0	0	0	0	0	0	0	0	0
Italy	1	1	1	1	1	1	1	1	1	1	1	1	1
Portugal	9	8	9	9	8	9	9	9	6	6	7	5	6
Spain	4	3	3	4	4	3	3	3	3	3	3	3	3
OCEANIA	100	103	106	106	107	109	112	112	113	114	115	116	117
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0
Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0
Fiji	1	1	1	1	1	1	1	1	1	1	1	1	1
Fr. Polynesia	0	0	0	0	0	0	0	0	0	0	0	0	0
New Caledonia	1	1	1	1	1	1	1	1	1	1	1	1	1
New Zealand	0	1	0	1	1	1	1	1	1	0	0	1	1
Pacific Is.	0	0	0	0	0	0	0	1	1	1	1	1	1
Papua N. Guinea	87	90	93	93	94	95	98	98	99	100	101	102	103
Sc.omon Is.	4	4	4	4	4	4	4	4	4	4	4	4	4
Tonga	6	6	6	6	6	6	6	6	6	7	7	7	7
DEVELOPING NATIONS	10128	9804	9728	9302	9508	9801	8909	8687	8357	8148	8011	7810	7779
DEVELOPED NATIONS	149	142	142	139	135	137	137	133	134	136	130	130	133

NOTES: See Table 1.

TABLE 12
Sweet potato yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	8	9	8	8	10	11	11	12	12	13	13	12
AFRICA	5	5	5	5	5	5	6	6	5	5	4	4
Angola	6	7	7	8	8	8	9	8	9	8	8	9
Benin	4	3	2	4	3	4	3	4	4	4	4	3
Burkina Faso	2	1	3	2	2	2	2	2	2	3	3	3
Burundi	7	7	7	7	7	7	7	7	7	6	6	6
Cameroon	3	3	3	3	3	3	3	3	3	4	3	4
Cape Verde	2	3	2	2	2	2	3	3	2	1	1	1
Chad	5	5	6	6	6	6	6	5	5	5	5	5
Comoros	8	8	9	10	10	11	10	11	10	10	10	10
Congo	5	5	5	6	6	6	6	6	6	6	6	6
Cote d'Ivoire	2	2	2	2	2	2	2	2	2	2	2	2
Egypt	19	20	20	20	20	21	21	21	22	20	22	23
Eq. Guinea	4	4	4	4	4	4	4	4	4	4	4	3
Gabon	2	2	2	2	2	2	2	2	2	2	2	2
Guinea	8	9	8	8	9	9	9	8	8	8	8	8
Kenya	6	6	6	6	7	7	7	7	8	8	8	8
Liberia	10	10	10	10	10	10	10	10	10	10	10	9
Madagascar	5	5	6	6	6	6	6	6	6	6	5	5
Mali	12	12	12	12	13	12	13	13	13	13	13	12
Mauritania	1	1	1	1	1	1	1	1	1	1	1	0
Mauritius	8	8	12	12	12	12	14	14	14	12	13	12
Mozambique	5	5	5	5	5	5	5	5	5	5	5	5
Niger	12	12	15	14	13	7	11	8	7	6	7	8
Nigeria	11	12	12	12	12	12	12	12	12	8	8	9
Reunion	12	12	12	12	12	12	14	15	17	18	19	23
Rwanda	8	8	5	3	3	7	8	7	5	6	6	6
Senegal	6	7	6	6	5	5	6	2	5	6	3	6
Sierra Leone	3	3	3	3	2	3	3	2	3	3	3	3
Somalia	10	10	10	10	10	10	10	10	10	10	10	10
South Africa	5	3	2	3	2	2	3	3	3	3	3	3
Sudan	25	25	25	27	27	27	28	27	26	25	29	25
Swaziland	4	5	5	4	4	4	4	4	4	4	4	4
Tanzania	7	7	7	7	6	7	7	7	7	6	5	5
Togo	5	4	5	4	3	4	3	5	4	1	2	3
Uganda	4	4	3	4	4	3	6	6	3	3	3	2
Zaire	6	6	6	6	5	6	5	5	5	5	5	5
Zambia	6	6	7	7	7	7	7	7	7	7	7	7
Zimbabwe	5	5	5	3	3	6	8	5	4	3	3	2
N. & C. AMERICA	7	7	7	7	7	7	7	7	7	7	7	7
Barbados	8	10	7	7	7	7	8	8	9	10	10	10
Cuba	4	4	4	4	4	4	4	4	4	4	4	4
Dominica	10	10	10	10	10	10	10	10	10	10	10	10
Dominican Rp.	9	9	9	9	9	9	9	9	8	9	8	8
Grenada	5	5	5	5	5	5	5	5	5	5	6	5
Guadeloupe	13	13	13	13	10	10	10	10	10	10	10	10
Haiti	5	5	5	5	5	5	5	5	5	5	5	5
Honduras	2	2	2	2	3	3	3	3	3	3	3	3
Jamaica	9	8	8	8	8	7	7	6	8	7	8	8
Martinique	10	10	10	10	10	10	10	10	10	10	10	10
Mexico	6	7	7	7	8	9	9	9	9	10	11	11
Puerto Rico	3	3	3	3	3	3	3	3	4	3	3	3
Saint Lucia	3	3	3	3	3	3	3	3	3	3	3	3
St. Vincent	3	3	2	2	2	2	3	4	5	3	3	3
Trinidad Tob.	3	3	3	3	3	3	3	3	3	3	3	5
United States	9	9	9	10	10	10	11	11	12	12	11	12
SOUTH AMERICA	10	10	10	10	10	10	11	11	11	11	11	12
Argentina	10	10	10	10	9	10	11	9	11	10	11	11
Bolivia	10	11	11	11	11	9	10	10	7	7	8	8
Brazil	10	10	10	10	10	11	12	12	12	12	12	13
Chile	10	10	11	11	11	12	12	14	14	14	14	10

continued

68

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	15	13	13	12	13	13	13	13	12	13	14	14	14
AFRICA	5	5	5	5	5	5	6	6	5	6	6	5	6
Angola	9	9	9	9	9	9	9	9	9	9	9	9	9
Benin	4	4	4	4	4	4	4	3	5	5	5	5	6
Burkina Faso	3	3	3	3	3	3	3	3	3	3	3	3	3
Burundi	6	5	6	7	7	7	6	6	7	7	7	7	7
Cameroon	4	4	4	4	3	3	3	3	4	4	3	4	4
Cape Verde	1	2	2	2	2	2	2	2	2	2	2	2	2
Chad	5	5	5	6	6	6	6	6	6	6	6	6	6
Comoros	10	10	10	10	9	8	8	8	8	8	8	8	8
Congo	7	6	7	7	7	6	7	7	7	7	7	7	7
Cote d'Ivoire	2	2	2	2	2	2	2	2	2	2	2	2	2
Egypt	18	20	20	21	21	22	24	24	23	23	25	26	26
Eq. Guinea	3	3	3	3	4	3	3	3	3	3	3	3	3
Gabon	2	1	1	1	1	1	1	1	1	1	1	1	1
Guinea	8	8	8	8	8	8	8	7	7	7	7	7	7
Kenya	8	8	9	7	7	9	9	9	10	10	9	9	9
Liberia	9	10	10	10	10	10	10	10	10	10	11	11	11
Madagascar	5	4	5	6	5	5	5	5	5	4	5	5	5
Mali	12	13	12	11	11	11	12	12	12	12	12	12	12
Mauritania	0	0	0	0	0	0	1	1	1	1	1	1	1
Mauritius	13	14	13	18	44	13	13	17	11	10	4	13	13
Mozambique	5	5	4	5	5	5	5	5	5	5	5	5	5
Niger	8	6	12	7	7	6	6	4	4	6	6	6	6
Nigeria	13	13	13	13	13	13	13	13	13	13	13	14	13
Reunion	23	23	23	23	22	20	12	8	8	8	6	9	8
Rwanda	6	7	8	8	8	8	8	8	8	8	8	8	9
Senegal	3	2	2	2	5	5	5	5	5	5	5	5	5
Sierra Leone	2	2	2	2	2	2	2	2	2	2	2	2	2
Somalia	10	10	10	10	10	10	10	10	10	10	10	10	10
South Africa	3	3	3	3	3	3	4	4	3	3	4	4	4
Sudan	24	25	24	24	24	24	24	25	25	25	25	27	26
Swaziland	4	5	6	6	6	16	18	15	2	1	1	5	5
Tanzania	7	7	7	7	7	8	7	6	6	6	6	6	6
Togo	4	4	3	3	3	3	3	4	4	4	4	4	4
Uganda	3	4	4	4	4	4	6	5	4	4	4	4	4
Zaire	5	5	5	5	5	5	5	5	5	5	5	5	5
Zambia	7	7	7	8	8	8	7	7	7	7	7	7	7
Zimbabwe	2	2	2	2	2	2	2	2	2	2	2	2	2
N. & C. AMERICA	7	7	7	7	7	7	7	6	6	7	7	7	7
Barbados	10	10	10	10	10	10	7	13	13	13	13	8	8
Cuba	4	4	4	4	4	4	4	4	4	4	4	4	4
Dominica	10	10	10	10	10	10	11	10	10	10	10	10	10
Dominican Rp.	8	8	8	8	8	7	8	7	6	6	6	8	6
Grenada	5	5	5	5	5	5	5	3	2	2	3	3	3
Guadeloupe	10	10	10	10	10	10	9	10	9	9	10	10	9
Haiti	5	5	5	5	6	6	4	4	4	5	5	5	5
Honduras	3	3	4	4	4	4	4	3	4	4	3	3	3
Jamaica	8	8	7	8	8	8	9	9	9	9	9	9	9
Martinique	10	10	10	9	10	10	10	10	14	14	13	13	13
Mexico	10	10	11	11	10	10	14	12	15	16	18	17	17
Puerto Rico	3	7	6	4	4	4	4	4	8	8	8	8	8
Saint Lucia	3	3	5	5	5	5	5	5	5	5	5	5	5
St. Vincent	2	2	2	2	2	2	2	2	2	2	2	2	2
Trinidad Tob.	11	10	11	10	10	11	11	11	11	11	11	11	11
United States	12	13	13	13	12	13	13	12	13	14	13	14	15
SOUTH AMERICA	11	10	10	9	9	9	9	8	9	9	9	9	9
Argentina	11	9	10	9	9	9	10	9	10	12	11	11	10
Bolivia	8	8	7	6	6	5	5	5	5	6	4	4	4
Brazil	11	11	10	10	9	9	9	9	9	9	9	9	9
Chile	9	9	8	8	7	7	7	7	7	7	7	7	7

continued

64

TABLE 12 (CONTINUED)
Sweet potato yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
Ecuador	4	4	4	4	3	2	4	3	4	4	3	3
Paraguay	10	10	10	10	9	10	10	11	11	11	11	6
Peru	12	12	12	13	11	11	12	12	12	13	12	11
Uruguay	6	4	6	5	4	6	5	4	6	6	7	5
Venezuela	2	2	2	2	2	3	2	2	3	2	3	3
ASIA	9	9	9	8	10	11	12	12	13	15	14	13
Bangladesh	9	9	9	9	10	10	12	12	12	12	11	11
Brunei Darus.	7	6	6	4	3	3	3	3	3	3	3	4
Burma	5	5	5	5	5	4	5	5	5	5	5	5
China	8	9	8	8	10	11	12	13	14	16	15	14
East Timor	5	6	7	7	7	7	6	7	7	6	5	4
Hong Kong	10	9	8	9	9	9	11	10	11	9	11	11
India	8	6	6	7	7	6	6	7	8	11	11	12
Indonesia	7	7	6	6	6	6	6	6	6	6	6	6
Israel	20	30	30	40	50	33	30	28	20	18	27	40
Japan	19	19	21	20	19	20	19	19	19	20	19	22
Kampuchea Dm.	14	9	10	8	8	8	9	8	9	8	9	11
Korea D.P.R.	14	14	14	14	13	13	13	13	13	13	13	14
Korea Rep.	15	15	15	20	20	18	12	15	16	17	17	18
Laos	7	5	5	8	8	8	8	8	8	8	8	8
Malaysia	16	16	16	15	14	17	17	22	22	24	17	15
Pakistan	11	11	11	11	11	11	11	11	12	12	12	12
Philippines	5	5	5	5	5	5	5	5	5	5	5	4
Singapore	8	9	9	9	9	9	9	9	10	10	8	9
Sri Lanka	5	4	3	5	4	4	4	4	3	5	4	4
Taiwan	14	13	9	14	13	15	16	14	16	15	15	14
Thailand	7	7	7	7	7	7	8	8	8	9	9	9
Viet Nam	5	5	5	5	5	5	5	5	5	5	5	5
EUROPE	11	11	11	11	11	10	11	10	10	10	9	11
Greece	7	7	7	7	9	9	10	10	12	22	9	23
Italy	15	17	17	18	19	16	18	17	18	17	18	20
Portugal	7	7	7	8	8	8	8	8	8	9	7	9
Spain	13	13	14	14	14	13	12	12	13	10	11	11
OCEANIA	4	4	4	4	4	5	5	4	4	5	5	5
Australia	8	9	9	9	9	9	6	6	6	6	6	9
Cook Islands	25	24	24	24	24	14	14	24	18	17	24	24
Fiji	8	8	8	8	8	8	8	10	10	10	10	10
Fr.Polynesia	3	3	3	3	3	3	3	4	4	4	4	5
New Caledonia	5	5	5	5	5	5	4	4	4	5	4	5
New Zealand	18	18	16	17	11	9	14	16	15	18	16	17
Pacific Is.	4	4	4	7	7	7	7	7	7	7	7	7
Papua N.Guinea	4	4	4	4	4	4	4	4	4	4	4	4
Solomon Is.	10	11	11	11	11	11	12	11	11	11	11	11
Tonga	3	3	3	3	3	3	3	3	3	3	3	3
DEVELOPING NATIONS	8	8	8	8	10	11	11	12	12	13	12	12
DEVELOPED NATIONS	17	17	18	17	17	17	16	16	16	16	15	17

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
Ecuador	4	5	5	6	5	5	5	4	5	5	5	5	5
Paraguay	7	8	8	8	8	8	8	8	8	8	8	8	8
Peru	12	12	11	12	11	11	11	12	15	11	12	14	15
Uruguay	5	6	6	4	3	4	4	4	4	4	4	4	4
Venezuela	2	2	2	3	4	4	4	4	4	3	4	5	4
ASIA	16	14	14	14	14	14	14	14	14	15	16	17	16
Bangladesh	11	11	11	11	11	11	11	11	10	10	11	11	11
Brunei Darus.	4	4	4	4	4	4	4	4	5	4	5	5	5
Burma	5	5	5	5	4	4	4	5	5	5	5	5	5
China	17	16	15	15	16	16	15	16	15	16	19	19	18
East Timor	6	6	...	...	...	...	...	...	...	...	...	...	...
Hong Kong	12	17	13	7	31	20	24	28	24	27	27	28	30
India	10	7	7	7	7	7	7	6	7	8	7	7	8
Indonesia	6	7	8	8	8	7	8	8	8	8	8	8	9
Israel	35	45	40	40	40	40	40	40	41	38	37	40	40
Japan	21	21	21	19	22	21	21	20	22	21	21	22	23
Kampuchea Dm.	8	8	9	9	9	8	7	8	8	9	8	10	10
Korea D.P.R.	14	13	14	14	14	14	14	13	13	13	13	15	15
Korea Rep.	17	18	21	20	20	22	23	20	22	19	24	24	24
Laos	8	8	8	9	9	9	10	10	10	10	11	11	11
Malaysia	22	20	24	24	21	20	17	16	16	16	17	17	17
Pakistan	13	14	14	14	15	16	16	15	14	15	15	15	16
Philippines	5	5	5	4	4	5	5	4	5	5	4	5	5
Singapore	10	12	12	12	12	13	12	12	12	12	12	12	12
Sri Lanka	3	4	4	4	5	6	9	9	10	9	8	9	9
Taiwan	16	15	15	15	16	16	16	17	15	16	16	15	16
Thailand	9	9	9	10	9	9	9	9	9	9	9	9	9
Viet Nam	5	5	5	5	5	6	6	5	6	4	4	5	5
EUROPE	10	10	10	10	11	10	11	11	12	11	11	12	11
Greece	13	14	18	14	18	18	18	20	46	17	18	18	18
Italy	19	20	19	22	21	21	20	20	20	18	21	21	21
Portugal	8	8	8	8	8	8	8	8	8	8	8	8	8
Spain	12	12	12	12	13	15	17	16	16	16	15	16	15
OCEANIA	5	5	5	5	5	5	5	5	5	5	5	5	5
Australia	11	11	10	10	12	10	10	12	12	12	12	14	14
Cook Islands	13	14	23	17	23	23	23	23	23	24	26	26	27
Fiji	10	10	10	10	10	10	10	10	10	9	9	10	10
Fr.Polynesia	5	5	5	5	5	5	5	6	5	3	3	2	2
New Caledonia	5	5	5	5	5	4	4	4	5	5	4	5	5
New Zealand	17	18	17	11	11	15	9	23	15	16	16	16	16
Pacific Is.	7	7	7	7	7	7	7	7	7	7	6	7	7
Papua N.Guinea	4	4	5	5	5	5	4	4	5	5	5	5	5
Solomon Is.	11	11	11	11	11	11	11	11	12	13	13	12	13
Tonga	3	3	3	2	2	3	3	3	3	3	3	3	3
DEVELOPING NATIONS	15	13	13	12	13	13	13	13	12	13	14	14	14
DEVELOPED NATIONS	16	16	15	15	16	16	16	15	17	16	16	17	18

NOTES: See Table 1.

TABLE 13
Yam production, 1961-85 (000 t)

COUNTRY	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	13590	14101	15168	16047	16215	16884	16031	18065	19610	18464	19956	19698
AFRICA	12843	13319	14366	15220	15383	16017	15155	17160	18718	17563	19031	18735
Benin	614	494	496	553	543	454	564	648	530	516	528	535
Burkina Faso	23	23	22	20	20	24	30	34	35	35	40	40
Burundi	6	6	6	6	6	6	6	6	6	7	7	6
Cameroon	150	150	148	147	149	162	172	178	161	223	268	337
Cent. Afr. Rep.	135	137	140	145	150	155	160	162	165	168	170	173
Chad	110	112	114	115	116	117	118	119	120	120	121	123
Congo	30	31	32	32	35	38	42	44	46	50	48	46
Cote d'Ivoire	1150	1200	1230	1260	1300	1320	1350	1388	1520	1551	1555	1525
Ethiopia	197	198	225	229	234	239	243	248	253	258	260	264
Gabon	70	70	70	65	65	65	60	60	55	55	50	47
Ghana	1100	1100	1099	1153	1055	874	1134	1236	1325	909	909	679
Guinea	50	50	50	55	55	55	55	60	55	65	55	50
Liberia	13	13	13	13	13	13	13	13	13	14	14	13
Mali	7	7	8	8	8	9	9	9	9	9	9	9
Mauritania	2	2	2	2	2	2	2	2	2	2	2	2
Nigeria	8700	9230	10220	10915	11090	11936	10646	12366	13817	13000	14400	14300
Rwanda	1	1	1	1	1	1	2	1	2	4	4	4
Sudan	120	130	130	140	150	160	145	135	130	120	120	115
Tanzania	5	5	5	5	6	6	6	6	7	7	7	7
Togo	300	290	280	277	295	280	285	290	300	290	300	295
Zaire	60	70	75	80	90	102	113	155	168	161	165	165
N. & C. AMERICA	228	238	247	253	248	271	268	281	277	301	349	353
Barbados	13	13	14	14	10	9	11	14	11	15	14	12
Dominica	2	2	2	2	2	2	2	2	2	2	3	3
Dominican Rp.	21	23	22	22	23	27	27	28	29	29	30	31
Grenada	0	0	0	0	0	0	0	1	1	1	1	0
Guadeloupe	20	20	23	23	14	26	6	23	23	22	23	23
Haiti	80	80	83	85	88	90	90	90	90	94	96	98
Jamaica	43	50	50	55	57	63	75	66	63	81	123	127
Martinique	19	19	20	20	20	20	20	20	22	22	23	20
Panama	11	11	11	11	12	12	13	15	15	12	15	15
Puerto Rico	13	13	14	14	14	14	14	13	13	13	12	13
Saint Lucia	2	3	2	1	2	2	2	3	3	3	3	4
St. Chris. Nevis	1	1	1	1	1	1	1	1	1	1	1	1
St. Vincent	2	2	2	2	2	2	3	3	3	2	3	3
Trinidad Tob.	2	2	3	3	2	3	3	3	3	3	3	3
SOUTH AMERICA	248	256	264	274	280	288	296	303	285	265	230	246
Brazil	85	88	93	98	100	105	112	115	120	124	128	133
Colombia	118	123	126	130	133	139	141	144	120	100	63	70
Venezuela	45	45	45	46	47	44	43	44	45	41	39	43
ASIA	94	104	105	110	109	111	115	118	125	128	137	150
Japan	54	54	60	72	72	74	80	85	92	98	113	128
Philippines	40	50	45	39	37	38	35	33	33	30	23	23
EUROPE	2	2	2	2	2	2	3	2	2	2	2	3
Portugal	2	2	2	2	2	2	3	2	2	2	2	3
OCEANIA	176	182	185	188	194	194	194	201	202	204	207	211
Fiji	8	8	8	8	8	8	9	10	10	10	10	10
New Caledonia	9	9	9	9	12	10	7	10	8	9	8	9
Papua N. Guinea	118	122	125	128	130	132	134	136	138	140	142	144
Samoa	1	1	1	1	1	1	1	1	1	1	1	1
Solomon Is.	12	12	13	13	13	13	14	14	14	14	15	15
Tonga	28	29	29	29	29	29	29	30	31	30	31	32
Wallis Etc.	0	0	0	0	0	0	1	1	1	1	1	1
DEVELOPING NATIONS	13534	14045	15106	15974	16141	16808	15949	17978	19516	18364	19841	19568
DEVELOPED NATIONS	56	56	62	73	74	76	83	87	94	100	115	130

COUNTRY	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	20105	20749	21174	21316	21534	22392	23034	23864	24152	25352	23637	25699	28816
AFRICA	19140	19770	20187	20310	20435	21215	21922	22759	23094	24345	22598	24602	27721
Benin	500	428	446	599	552	643	699	694	666	672	620	731	812
Burkina Faso	45	41	38	35	32	27	28	28	28	30	29	28	31
Burundi	7	6	7	7	7	6	6	5	6	6	6	6	7
Cameroon	356	364	380	390	400	417	425	421	402	355	375	375	380
Cent.Afr.Rep.	175	180	180	183	185	188	190	190	193	193	195	197	198
Chad	116	115	130	135	140	145	150	165	175	190	195	200	210
Congo	50	11	12	12	12	13	13	13	13	14	14	14	14
Cote d'Ivoire	1624	1680	2172	2032	1893	1984	2068	2340	2220	2540	2450	2600	2900
Ethiopia	262	265	270	280	285	270	274	276	278	280	282	212	215
Gabon	49	52	56	62	67	73	76	79	85	87	88	90	80
Ghana	686	850	709	575	535	544	602	650	591	588	866	880	900
Guinea	54	56	56	57	75	76	76	77	58	59	59	60	61
Liberia	13	15	15	15	15	15	15	16	16	16	17	18	18
Mali	9	9	9	9	10	10	10	10	10	11	11	12	12
Mauritania	2	2	2	2	2	2	2	2	2	2	2	2	3
Nigeria	14500	15000	15000	15200	15500	16000	16500	17000	17500	18500	16625	18500	21200
Rwanda	5	5	6	6	6	5	4	5	6	6	9	6	7
Sudan	109	113	115	115	113	115	113	113	115	115	115	110	115
Tanzania	7	7	8	8	8	8	8	8	8	9	9	9	9
Togo	396	400	403	406	416	498	483	484	528	473	424	342	336
Zaire	175	172	174	183	183	177	180	184	195	201	207	210	215
N. & C. AMERICA	354	359	364	346	347	369	339	331	332	314	332	347	342
Barbados	8	5	7	6	6	7	6	8	4	5	5	3	2
Dominica	3	3	3	3	4	4	3	4	4	4	4	5	5
Dominican Rp.	31	33	32	29	32	26	19	14	7	6	9	7	13
Grenada	0	0	0	0	1	0	1	0	0	1	0	0	0
Guadeloupe	24	22	22	22	10	8	7	7	9	10	10	10	10
Haiti	100	106	108	110	120	123	110	110	115	115	120	120	120
Jamaica	128	131	134	120	125	150	143	133	136	117	131	149	140
Martinique	20	20	20	16	11	11	9	9	7	9	9	9	10
Panama	15	16	16	17	16	16	16	19	20	21	19	19	18
Puerto Rico	13	13	13	14	13	13	14	15	15	14	13	13	12
Saint Lucia	4	4	3	3	4	4	4	4	4	4	4	4	4
St.Chris.Nevis	1	1	1	1	1	1	1	1	1	1	1	1	1
St.Vincent	4	2	2	2	2	3	3	3	4	4	4	4	4
Trinidad Tob.	3	3	3	3	3	4	3	4	4	3	3	3	4
SOUTH AMERICA	242	250	256	290	355	377	349	380	333	291	310	317	310
Brazil	140	144	150	154	160	165	175	178	184	184	180	180	180
Colombia	70	74	73	105	162	176	141	169	119	77	96	103	97
Venezuela	32	32	33	30	33	37	32	33	29	30	34	34	33
ASIA	153	149	145	145	167	198	189	153	152	158	154	183	191
Japan	130	124	124	121	140	171	162	134	134	140	132	160	161
Philippines	23	25	21	24	27	28	27	19	18	18	22	23	30
EUROPE	3	2	3	3	2	2	3	3	3	3	1	3	3
Portugal	3	2	3	3	2	2	3	3	3	3	1	3	3
OCEANIA	215	218	219	222	227	230	233	236	239	242	243	247	249
Fiji	11	11	9	9	9	9	10	10	10	10	9	10	10
New Caledonia	9	9	9	9	10	11	11	11	11	11	11	12	11
Papua N.Guinea	146	148	150	152	155	157	159	162	164	166	168	170	172
Samoa	1	1	1	1	1	1	1	1	1	1	1	1	1
Solomon Is.	15	16	16	17	17	17	17	18	18	18	18	19	19
Tonga	32	33	33	34	34	34	34	34	34	35	35	35	35
Wallis Etc.	1	1	1	1	1	1	1	1	1	1	1	1	1
DEVELOPING NATIONS	19973	20623	21047	21192	21391	22219	22870	23726	24016	25209	23504	25536	28652
DEVELOPED NATIONS	133	127	127	124	143	173	165	137	137	143	133	163	164

NOTES: See Table 1.

73

TABLE 14
Yam area, 1961-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	2124	2007	2288	2368	2323	2023	2081	2048	2063	2328	2216	2143
AFRICA	2029	1914	2193	2271	2225	1922	1977	1943	1958	2224	2110	2033
Benin	69	58	57	59	61	54	58	63	56	60	49	52
Burkina Faso	9	9	9	5	5	5	6	8	7	6	6	6
Burundi	1	1	1	1	1	1	1	1	1	1	1	1
Cameroon	36	36	36	36	36	39	50	52	47	62	61	60
Cent.Afr.Rep.	24	25	25	26	26	26	27	27	27	28	28	29
Chad	15	15	15	15	15	15	16	16	16	16	16	16
Congo	9	9	9	9	9	10	11	11	12	12	12	12
Cote d'Ivoire	150	155	160	160	168	171	168	171	209	195	193	198
Ethiopia	54	55	54	55	56	57	57	58	59	60	60	61
Gabon	10	10	10	10	10	10	9	9	9	9	9	9
Ghana	150	150	162	171	95	87	99	119	117	172	172	134
Guinea	6	6	6	6	6	7	7	7	7	7	7	6
Liberia	1	1	1	1	1	1	1	1	1	1	1	1
Mali	1	1	1	1	1	1	1	1	1	1	1	1
Mauritania	0	0	0	0	0	0	0	0	0	0	0	0
Nigeria	1416	1303	1566	1627	1643	1344	1372	1300	1292	1500	1400	1350
Rwanda	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	40	40	40	50	50	50	48	46	44	40	39	39
Tanzania	1	1	1	1	1	1	1	1	1	1	1	1
Togo	30	30	30	30	30	30	30	30	30	30	30	34
Zaire	8	10	10	10	12	14	15	21	22	21	22	22
N. & C. AMERICA	35	35	37	37	38	41	41	42	42	44	48	50
Barbados	1	1	1	1	1	1	1	1	1	1	1	1
Dominica	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	2	2	2	2	2	2	3	3	3	3	3	3
Grenada	0	0	0	0	0	0	0	0	0	0	0	0
Guadeloupe	2	2	2	2	1	2	0	2	2	2	2	2
Haiti	20	20	21	21	22	23	23	23	23	24	24	25
Jamaica	3	3	3	4	4	5	7	6	6	7	11	11
Martinique	2	2	2	2	2	2	2	2	2	2	2	2
Panama	1	2	2	2	2	2	2	2	2	1	2	2
Puerto Rico	2	2	3	3	3	3	3	2	2	2	2	2
Saint Lucia	1	1	0	0	0	0	1	1	1	1	1	1
St.Chris.Nevis	0	0	0	0	0	0	0	0	0	0	0	0
St.Vincent	0	0	0	0	0	0	0	0	0	0	0	0
Trinidad Tob.	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH AMERICA	33	32	34	35	35	36	36	37	35	33	30	31
Brazil	10	10	10	11	11	12	12	13	13	14	14	15
Colombia	15	15	15	15	15	15	15	15	12	10	7	7
Venezuela	8	7	9	9	9	9	9	9	9	9	9	9
ASIA	15	13	12	12	12	12	12	12	13	13	13	13
Japan	3	3	4	4	4	4	5	5	6	6	7	7
Philippines	11	10	9	8	8	8	8	7	7	7	7	6
EUROPE	0	0	0	0	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0	0	0	0	0
OCEANIA	12	13	13	13	13	14	14	14	15	15	15	15
Fiji	1	1	1	1	1	1	1	1	1	1	1	2
New Caledonia	1	1	1	1	1	1	1	1	1	1	1	1
Papua N.Guinea	7	8	8	8	8	9	9	9	9	9	10	10
Samoa	0	0	0	0	0	0	0	0	0	0	0	0
Solomon Is.	0	0	0	0	0	0	0	0	1	1	1	1
Tonga	2	2	2	2	2	2	2	2	2	2	2	2
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	2120	2004	2285	2364	2319	2019	2076	2043	2057	2322	2209	2135
DEVELOPED NATIONS	3	3	4	4	4	4	5	5	6	6	7	7

74

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	2148	2148	2179	2246	2260	2296	2375	2391	2411	2481	2446	2484	2468
AFRICA	2040	2037	2070	2132	2137	2167	2245	2260	2281	2354	2314	2349	2334
Benin	44	42	45	63	60	69	67	71	79	80	84	81	86
Burkina Faso	6	5	5	5	4	5	5	5	5	5	5	5	5
Burundi	1	1	1	1	1	1	1	1	1	1	1	1	1
Cameroon	70	78	79	80	81	83	85	85	85	86	80	80	81
Cent.Afr.Rep.	29	30	30	31	31	32	32	32	34	34	36	36	40
Chad	16	16	17	18	18	19	19	20	21	22	23	22	23
Congo	12	3	3	3	3	3	3	3	3	3	3	3	3
Cote d'Ivoire	203	198	240	246	254	265	274	225	226	256	271	280	300
Ethiopia	61	61	62	63	64	62	63	64	64	65	65	59	60
Gabon	9	9	9	9	10	10	10	10	10	10	10	10	10
Ghana	130	133	117	100	89	95	105	113	116	111	113	112	113
Guinea	6	7	7	7	9	9	9	7	7	7	7	7	7
Liberia	1	2	2	2	2	2	2	2	2	2	2	2	2
Mali	1	1	1	1	1	1	1	1	1	2	2	2	2
Mauritania	0	0	0	0	0	0	0	0	0	0	0	0	0
Nigeria	1350	1350	1350	1400	1400	1400	1450	1500	1500	1550	1500	1550	1500
Rwanda	1	1	1	1	1	1	1	1	1	1	1	1	2
Sudan	37	38	39	39	39	39	39	39	40	40	40	38	40
Tanzania	1	1	1	1	1	1	1	1	1	2	2	2	2
Togo	39	39	39	40	45	47	54	56	58	53	43	30	30
Zaire	23	23	23	24	24	24	24	24	26	27	27	28	28
N. & C. AMERICA	50	50	52	51	54	57	58	58	58	57	59	61	61
Barbados	1	0	1	0	0	1	1	0	0	0	0	0	0
Dominica	0	0	0	0	0	0	0	0	0	0	0	0	0
Dominican Rp.	3	3	3	3	4	3	2	3	1	1	1	1	2
Grenada	0	0	0	0	0	0	0	0	0	0	0	0	0
Guadeloupe	2	1	1	1	1	1	1	1	1	1	1	1	1
Haiti	25	27	27	28	29	31	34	34	35	35	36	36	36
Jamaica	11	11	12	11	11	13	12	12	12	10	11	13	13
Martinique	2	2	2	2	2	2	2	2	2	2	2	2	2
Panama	2	3	3	3	3	3	3	2	2	2	2	2	2
Puerto Rico	2	1	2	2	2	2	2	2	2	2	2	2	2
Saint Lucia	1	1	1	1	1	1	1	1	1	1	1	1	1
St.Chris.Nevis	0	0	0	0	0	0	0	0	0	0	0	0	0
St.Vincent	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinidad Tob.	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH AMERICA	29	31	29	34	37	39	38	40	39	37	40	40	38
Brazil	16	16	17	17	18	18	19	20	21	21	20	20	20
Colombia	7	7	7	10	14	14	12	15	13	11	14	14	13
Venezuela	6	8	6	6	6	6	6	6	6	5	6	6	6
ASIA	13	13	12	13	16	17	17	16	16	16	15	16	17
Japan	7	7	7	7	7	9	8	8	8	8	8	8	8
Philippines	6	7	5	6	8	8	9	8	8	8	7	8	9
EUROPE	0	0	0	0	0	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0	0	0	0	0	0
OCEANIA	16	16	16	16	16	16	17	17	17	18	18	18	18
Fiji	2	2	1	1	1	1	1	1	1	1	1	1	1
New Caledonia	1	1	1	1	1	1	1	1	1	2	2	2	2
Papua N.Guinea	10	10	10	10	10	11	11	11	11	11	11	11	11
Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0
Solomon Is.	1	1	1	1	1	1	1	1	1	1	1	1	1
Tonga	2	2	2	3	3	3	3	3	3	3	3	3	3
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	2140	2141	2172	2239	2252	2287	2366	2383	2403	2473	2438	2476	2459
DEVELOPED NATIONS	8	7	7	7	8	9	8	8	8	8	8	8	8

NOTES: See Table 1.

TABLE 15
Yam yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	6	7	7	7	7	8	8	9	10	8	9	9
AFRICA	6	7	7	7	7	8	8	9	10	8	9	9
Benin	9	8	9	9	9	8	10	10	9	9	11	10
Burkina Faso	3	3	3	4	4	5	5	4	5	6	7	7
Burundi	6	6	6	6	6	6	6	6	6	6	6	6
Cameroon	4	4	4	4	4	4	3	3	3	4	4	6
Cent.Afr.Rep.	6	6	6	6	6	6	6	6	6	6	6	6
Chad	8	8	8	8	8	8	8	8	8	8	8	8
Congo	4	4	4	4	4	4	4	4	4	4	4	4
Cote d'Ivoire	8	8	8	8	8	8	8	8	7	8	8	8
Ethiopia	4	4	4	4	4	4	4	4	4	4	4	4
Gabon	7	7	7	7	7	7	7	7	6	6	6	5
Ghana	7	7	7	7	11	10	11	10	11	5	5	5
Guinea	8	8	8	9	9	8	8	9	8	9	8	8
Liberia	10	10	10	10	10	10	10	10	10	10	10	9
Mali	8	8	8	8	8	9	9	9	8	8	7	7
Mauritania	7	7	7	7	7	7	7	7	7	7	7	6
Nigeria	6	7	7	7	7	9	8	10	11	9	10	11
Rwanda	10	10	11	12	13	8	8	6	6	9	9	9
Sudan	3	3	3	3	3	3	3	3	3	3	3	3
Tanzania	7	7	7	7	8	7	7	7	7	7	7	7
Togo	10	10	9	9	10	9	10	10	10	10	10	9
Zaire	8	7	8	8	8	8	8	7	8	8	8	7
N. & C. AMERICA	7	7	7	7	7	7	6	7	7	7	7	7
Barbados	12	14	14	12	11	12	11	12	10	13	13	13
Dominica	10	10	10	10	10	10	10	10	10	10	10	10
Dominican Rp.	10	10	10	10	10	11	11	11	11	11	11	11
Grenada	3	3	3	3	3	3	3	3	3	3	3	3
Guadeloupe	13	13	13	13	10	11	15	15	15	15	15	15
Haiti	4	4	4	4	4	4	4	4	4	4	4	4
Jamaica	14	15	15	15	15	13	11	11	11	11	12	11
Martinique	11	11	11	11	11	11	11	11	11	11	12	10
Panama	8	7	6	6	7	7	7	8	6	8	8	6
Puerto Rico	5	5	5	5	5	5	5	5	6	6	6	6
Saint Lucia	3	4	4	4	5	4	5	5	5	5	5	5
St.Chris.Nevis	5	5	5	5	5	5	5	5	5	5	5	5
St.Vincent	10	10	10	10	10	9	11	11	9	8	9	10
Trinidad Tob.	16	16	16	16	16	16	16	16	16	16	16	16
SOUTH AMERICA	8	8	8	8	8	8	8	8	8	8	8	8
Brazil	9	9	9	9	9	9	9	9	9	9	9	9
Colombia	8	8	8	9	9	9	9	10	10	10	9	10
Venezuela	5	6	5	5	5	5	5	5	5	5	4	5
ASIA	6	8	8	10	9	10	9	10	10	10	10	12
Japan	17	17	17	19	19	18	18	17	17	16	17	18
Philippines	3	5	5	5	5	5	5	5	5	4	3	4
EUROPE	8	8	8	8	8	8	8	8	8	8	8	8
Portugal	8	8	8	8	8	8	8	8	8	8	8	8
OCEANIA	14	15	14	14	15	14	14	14	14	14	14	14
Fiji	8	8	8	8	8	8	7	6	6	7	7	7
New Cadelonia	8	8	8	8	11	9	6	9	7	8	7	8
Papua N.Guinea	16	16	16	16	16	16	15	15	15	15	15	15
Samoa	14	14	14	14	13	13	13	13	14	14	14	14
Solomon Is.	29	29	28	28	28	28	28	28	28	28	28	28
Tonga	12	12	12	13	13	13	13	13	13	13	13	13
Wallis Etc.	11	11	11	11	11	11	13	13	13	13	13	13
DEVELOPING NATIONS	6	7	7	7	7	8	8	9	9	8	9	9
DEVELOPED NATIONS	16	16	17	19	18	18	17	17	16	16	17	18

76

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	9	10	10	9	10	10	10	10	10	10	10	10	12
AFRICA	9	10	10	10	10	10	10	10	10	10	10	10	12
Benin	11	10	10	9	9	9	10	10	8	8	7	9	9
Burkina Faso	8	9	8	8	7	6	6	6	6	7	6	6	7
Burundi	6	6	6	6	6	6	6	5	5	5	5	5	5
Cameroon	5	5	5	5	5	5	5	5	5	4	5	5	5
Cent.Afr.Rep.	6	6	6	6	6	6	6	6	6	6	5	5	5
Chad	7	7	8	8	8	8	8	8	8	9	8	9	9
Congo	4	4	5	5	5	5	5	5	5	5	5	5	5
Cote d'Ivoire	8	8	9	8	7	7	8	10	10	10	9	9	10
Ethiopia	4	4	4	4	4	4	4	4	4	4	4	4	4
Gabon	5	6	6	7	7	8	8	8	9	9	9	9	8
Ghana	5	6	6	6	6	6	6	6	5	5	8	8	8
Guinea	9	9	9	9	9	9	8	11	8	8	8	9	9
Liberia	9	10	10	10	10	10	10	9	9	9	9	9	9
Mali	7	7	8	7	7	7	7	7	7	7	7	7	7
Mauritania	5	6	5	6	6	6	6	6	6	6	6	6	6
Nigeria	11	11	11	11	11	11	11	11	12	12	11	12	14
Rwanda	6	6	6	6	5	5	6	5	4	4	6	5	4
Sudan	3	3	3	3	3	3	3	3	3	3	3	3	3
Tanzania	7	7	8	7	6	6	7	6	6	6	6	6	6
Togo	10	10	10	10	9	11	9	9	9	9	10	12	11
Zaire	8	7	7	8	8	7	7	8	8	8	8	8	8
N. & C. AMERICA	7	7	7	7	6	6	6	6	6	6	6	6	6
Barbados	13	13	13	13	13	10	10	16	18	18	18	9	8
Dominica	10	10	10	10	10	10	10	10	10	10	10	10	10
Dominican Rp.	11	11	11	10	9	8	10	6	7	6	6	6	7
Grenada	3	3	3	3	3	3	3	3	3	3	3	3	3
Guadeloupe	16	15	17	18	9	8	7	7	8	8	8	10	8
Haiti	4	4	4	4	4	4	3	3	3	3	3	3	3
Jamaica	11	12	11	11	11	11	11	11	12	11	11	11	11
Martinique	10	10	10	8	6	6	4	4	4	4	4	4	4
Panama	6	6	7	7	7	6	6	10	11	11	10	10	9
Puerto Rico	6	10	8	9	8	8	8	7	7	6	6	6	6
Saint Lucia	5	5	4	5	4	4	4	4	4	4	4	4	4
St.Chris.Nevis	5	5	5	5	5	5	5	5	5	5	5	5	5
St.Vincent	11	10	10	11	11	11	10	11	10	10	10	10	10
Trinidad Tob.	16	16	16	17	18	18	19	18	19	18	17	18	18
SOUTH AMERICA	8	8	9	9	10	10	9	9	9	8	8	8	8
Brazil	9	9	9	9	9	9	9	9	9	9	9	9	9
Colombia	10	10	10	10	12	12	11	12	9	7	7	7	8
Venezuela	5	4	6	5	6	6	6	6	5	6	6	6	6
ASIA	12	11	12	11	11	12	11	9	10	10	10	12	11
Japan	18	18	18	18	19	20	20	17	17	18	17	20	20
Philippines	4	4	4	4	3	3	3	2	2	2	3	3	4
EUROPE	8	8	8	8	11	10	10	12	11	12	11	10	10
Portugal	8	8	8	8	11	10	10	12	11	12	11	10	10
OCEANIA	14	14	14	14	14	14	14	14	14	14	14	14	14
Fiji	7	7	7	7	7	7	7	7	7	7	6	7	7
New Cadelonia	8	8	8	8	9	9	9	9	9	7	7	6	7
Papua N.Guinea	15	15	15	15	15	15	15	15	15	15	15	15	15
Samoa	14	14	14	14	14	14	14	14	14	14	14	15	15
Solomon Is.	28	28	29	29	29	29	29	29	29	29	29	28	28
Tonga	13	14	14	13	13	13	13	13	13	13	13	13	13
Wallis Etc.	13	13	13	13	13	13	13	13	13	13	13	12	12
DEVELOPING NATIONS	9	10	10	9	9	10	10	10	10	10	10	10	12
DEVELOPED NATIONS	17	18	18	17	19	19	20	17	17	18	17	19	19

NOTES: See Table 1.

TABLE 16
Unspecified production, 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	2756	2920	3149	3020	3030	3155	3406	3511	3531	3722	3657	3765
AFRICA	1116	1192	1360	1146	1103	1156	1361	1414	1373	1483	1386	1432
Botswana	4	4	4	4	5	5	5	5	5	5	5	6
Burkina Faso	3	3	3	3	3	3	3	3	3	4	4	4
Cameroon	450	514	676	450	395	437	629	668	613	715	604	639
Cape Verde	15	16	14	16	15	15	13	16	15	15	10	10
Congo	16	17	17	17	18	19	19	19	20	20	20	21
Ethiopia	417	417	422	425	432	440	449	458	467	477	496	496
Guinea-Bissau	38	38	39	40	40	40	40	40	40	35	35	35
Lesotho	3	3	3	3	3	4	4	4	4	4	4	4
Mozambique	5	5	5	5	5	5	5	5	5	5	5	5
Namibia	140	150	150	155	160	160	165	165	170	170	175	175
Sao Tome Prn.	8	8	8	8	8	8	8	8	9	9	9	9
Zaire	18	19	20	20	20	21	22	23	23	24	30	30
N. & C. AMERICA	113	120	135	145	131	141	128	126	129	144	154	175
Belize	2	2	2	2	2	2	2	2	1	1	1	2
Grenada	2	2	2	2	2	2	2	2	2	2	2	2
Guadeloupe	6	6	16	16	13	15	15	16	16	16	16	16
Haiti	14	15	15	15	15	18	20	22	24	26	28	30
Honduras	2	2	3	3	3	3	3	3	3	3	3	3
Jamaica	8	8	9	10	16	16	12	10	11	21	27	30
Martinique	3	3	3	3	3	3	3	3	3	3	3	3
Mexico	22	27	33	36	33	35	27	30	32	35	39	56
Puerto Rico	14	15	17	18	16	19	18	12	13	15	13	11
Saint Lucia	3	3	3	3	3	3	3	4	4	4	4	3
St.Chris.Nevis	1	1	1	1	1	1	1	1	1	1	1	1
St.Vincent	30	31	27	32	18	18	16	15	13	12	12	12
United States	5	5	5	4	4	4	4	4	4	4	4	4
SOUTH AMERICA	214	232	221	212	258	230	247	228	264	302	283	277
Bolivia	43	43	46	46	47	47	50	50	51	56	56	60
Ecuador	10	10	12	12	16	14	16	19	17	17	18	18
Guyana	32	39	32	38	33	23	19	20	24	26	27	27
Peru	117	127	118	104	148	132	147	123	155	186	165	152
Suriname	0	0	0	0	0	0	0	0	0	0	0	0
Venezuela	12	12	12	12	13	14	15	16	17	17	17	19
ASIA	1094	1150	1208	1275	1303	1383	1422	1492	1511	1535	1570	1617
Bhutan	11	11	11	12	12	12	13	13	13	13	14	14
East Timor	0	0	0	0	0	38	39	40	41	41	42	43
Indonesia	840	880	920	960	1000	1040	1080	1170	1210	1230	1250	1300
Japan	72	77	84	95	86	92	91	74	74	67	79	90
Kampuchea Dm.	4	4	4	4	4	4	4	4	4	4	5	5
Macao	2	2	2	2	2	3	3	3	3	3	3	3
Malaysia	110	120	120	130	125	115	110	105	83	87	77	66
Maldives	4	4	4	5	5	5	5	5	5	5	5	5
Nepal	40	42	44	46	48	50	52	54	56	58	60	62
Philippines	10	9	17	21	21	21	23	22	20	21	23	20
Taiwan	0	0	0	0	0	2	2	3	3	5	10	9
Thailand	0	0	0	0	0	0	1	0	0	1	3	1
EUROPE	8	9	10	9	6	7	6	5	5	7	9	8
Bulgaria	5	5	5	5	2	1	1	0	0	0	0	0
Hungary	1	2	3	3	3	3	3	3	3	3	4	4
Spain	2	2	2	2	2	3	2	2	2	4	5	4
OCEANIA	212	217	216	231	229	239	241	246	248	252	255	257
Cook Islands	4	4	4	5	5	5	5	5	5	5	5	3
Fr.Polynesia	6	6	6	6	6	7	7	7	7	7	7	7
Guam	1	1	1	1	1	1	1	1	1	1	1	1
Kiribati	5	5	5	5	6	6	6	7	7	7	7	7

continued

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	3794	4157	3303	3041	3160	3251	3365	3365	3403	3271	3455	3307	3394
AFRICA	1475	1805	1835	1767	1862	1926	1976	2010	2105	1996	2178	1940	2016
Botswana	6	6	6	6	7	7	8	7	7	8	8	7	7
Burkina Faso	4	4	4	5	5	5	5	5	5	6	5	5	5
Cameroon	625	851	830	810	790	815	792	776	820	658	775	800	810
Cape Verde	8	9	9	9	7	5	5	4	4	4	4	3	3
Congo	21	22	23	23	23	21	21	21	22	22	22	22	22
Ethiopia	550	600	700	650	750	800	850	900	950	1000	1050	788	850
Guinea-Bissau	35	35	30	30	40	35	45	45	35	35	40	40	40
Lesotho	5	5	5	5	5	5	6	6	6	6	6	6	6
Mozambique	5	5	4	4	4	4	5	5	5	5	5	5	5
Namibia	180	180	185	185	190	190	200	200	210	210	220	220	224
Sao Tome Prn.	9	10	10	11	11	11	11	11	12	12	12	12	12
Zaire	27	30	30	30	31	29	29	30	30	31	31	32	32
N. & C. AMERICA	153	171	168	167	173	210	191	172	186	184	191	194	193
Belize	2	1	2	3	3	3	3	3	3	3	3	3	3
Grenada	2	2	2	2	2	2	2	2	3	3	3	3	3
Guadeloupe	16	16	8	10	9	10	8	8	5	5	6	5	5
Haiti	32	34	36	38	38	39	39	39	42	43	44	45	45
Honduras	4	4	4	4	4	4	4	4	4	4	4	4	5
Jamaica	26	28	32	30	29	34	35	30	28	26	25	31	31
Martinique	4	5	7	10	9	9	8	8	8	10	9	9	9
Mexico	31	41	37	35	41	74	56	43	58	55	65	60	60
Puerto Rico	12	15	14	14	13	11	13	13	10	10	9	8	7
Saint Lucia	3	3	4	4	4	4	4	4	4	4	4	4	4
St.Chris.Nevis	1	1	1	1	1	2	2	2	2	2	2	2	2
St.Vincent	17	17	15	13	15	15	14	14	15	16	16	16	16
United States	4	4	4	3	4	4	3	3	3	3	3	3	3
SOUTH AMERICA	254	253	244	266	279	261	231	230	262	274	249	268	281
Bolivia	46	48	44	63	59	46	36	39	69	65	25	42	52
Ecuador	16	18	20	22	23	23	9	9	10	24	30	28	30
Guyana	28	22	23	22	24	22	18	13	15	16	17	17	18
Peru	149	149	145	141	157	154	152	153	154	155	160	160	162
Suriname	0	0	0	0	0	0	0	0	0	1	1	1	1
Venezuela	15	16	12	18	16	16	14	16	14	14	17	20	19
ASIA	1638	1649	772	552	553	559	669	650	541	508	533	600	594
Bhutan	14	14	15	15	15	16	16	16	17	17	17	17	18
East Timor	44	46	46	0	0	0	0	0	0	0	0	0	0
Indonesia	1293	1293	430	243	238	238	355	350	235	210	222	215	210
Japan	104	95	89	83	88	99	98	86	89	82	92	95	95
Kampuchea Dm.	7	7	6	7	7	6	4	5	5	6	8	9	9
Macau	3	3	3	3	4	4	4	4	3	3	3	4	4
Malaysia	80	90	80	97	100	95	90	85	85	85	80	85	85
Maldives	5	5	5	5	6	6	6	6	6	6	7	7	7
Nepal	63	64	65	66	67	68	69	70	71	72	79	143	140
Philippines	19	21	23	24	19	18	17	16	17	17	18	18	18
Taiwan	5	10	10	9	9	9	11	12	11	5	6	8	8
Thailand	1	0	0	0	0	0	0	0	1	4	1	1	1
EUROPE	9	10	10	10	10	10	11	12	16	14	10	8	9
Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0	0
Hungary	4	4	4	3	3	2	3	2	4	2	2	2	2
Spain	6	7	6	7	7	8	7	10	12	12	7	6	7
OCEANIA	264	270	275	279	282	285	288	290	294	295	295	297	301
Cook Islands	5	6	6	6	6	6	7	7	7	7	7	7	7
Fr.Polynesia	7	7	7	8	8	8	8	8	8	6	4	4	4
Guam	1	1	1	1	1	1	1	1	1	1	1	1	2
Kiribati	8	8	8	8	9	9	9	10	10	10	10	10	11

continued

TABLE 10 (CONTINUED)
Unspecified production, 1961-85 (000 t)

Country	61	62	63	64	65	66	67	68	69	70	71	72
Papua N. Guinea	168	172	170	185	182	190	192	195	197	200	202	205
Samoa	1	1	1	1	1	1	1	2	2	2	2	2
Vanuatu	26	27	27	27	28	28	28	28	29	29	29	29
Wallis Etc.	1	1	1	1	1	1	1	1	1	1	1	1
DEVELOPING NATIONS	2871	2829	3050	2911	2933	3052	3305	3428	3448	3645	3585	3663
DEVELOPED NATIONS	85	91	99	109	97	103	101	83	83	78	92	102

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
Papua N. Guinea	210	214	218	221	224	226	228	230	233	236	238	240	243
Samoa	2	3	3	3	3	3	3	3	3	3	3	3	4
Vanuatu	30	30	30	30	30	30	30	30	30	30	30	30	30
Wallis Etc.	1	1	1	1	1	1	1	1	1	1	1	1	1
DEVELOPING NATIONS	3676	4048	3200	2945	3058	3138	3253	3264	3295	3172	3350	3201	3288
DEVELOPED NATIONS	118	109	103	96	102	113	112	101	108	100	104	106	107

NOTES: See Table 1.

8-

TABLE 17

Unspecified root crop area, 1961-85 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	596	616	679	672	652	677	800	814	835	845	858	873
AFRICA	307	312	363	343	306	317	431	432	439	438	443	453
Botswana	1	1	1	1	1	1	1	1	1	1	1	1
Burkina Faso	0	0	0	0	0	0	1	1	1	1	1	1
Cameroon	96	102	150	127	89	97	207	203	206	201	202	208
Cape Verde	4	4	4	3	3	3	3	3	3	3	3	2
Congo	3	3	3	3	3	3	3	3	3	3	3	3
Ethiopia	175	175	177	179	181	183	187	191	195	199	203	207
Guinea-Bissau	7	7	7	7	7	7	7	7	7	7	7	7
Lesotho	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	1	1	1	1	1	1	1	1	1	1	1	1
Namibia	17	17	17	18	18	18	18	19	19	19	19	19
Sao Tome Prn.	1	1	1	1	1	1	1	1	1	1	1	1
Zaire	3	3	3	3	3	3	3	3	3	3	4	4
N. & C. AMERICA	25	25	27	29	28	33	32	31	32	33	34	34
Belize	0	0	0	0	0	0	0	0	0	0	0	0
Grenada	0	0	0	0	0	0	0	0	0	0	0	0
Guadeloupe	1	1	2	1	1	2	2	2	2	2	2	2
Haiti	10	10	10	11	11	13	14	15	16	16	17	17
Honduras	1	1	1	1	1	1	1	1	1	1	1	1
Jamaica	1	1	1	1	2	2	1	1	2	2	3	3
Martinique	0	0	0	0	0	0	0	0	0	0	0	0
Mexico	3	4	4	4	4	4	4	4	4	5	4	5
Puerto Rico	5	5	5	6	6	7	6	4	4	4	4	3
Saint Lucia	1	1	1	1	1	1	1	1	1	1	1	1
St.Chris.Nevis	0	0	0	0	0	0	0	0	0	1	1	1
St.Vincent	2	2	2	2	1	2	1	2	1	1	1	1
United States	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH AMERICA	48	51	52	50	60	57	59	55	62	70	67	65
Bolivia	13	13	14	14	14	14	15	15	15	16	16	17
Ecuador	3	3	4	4	4	3	3	3	2	3	3	3
Guyana	5	6	5	6	6	4	3	3	3	4	4	4
Peru	25	27	26	24	34	34	36	31	38	44	40	38
Suriname	0	0	0	0	0	0	0	0	0	0	0	0
Venezuela	2	2	2	3	3	3	3	3	3	3	4	4
ASIA	203	213	224	236	243	254	262	280	286	286	297	303
Bhutan	2	2	2	2	2	2	2	2	2	2	2	2
East Timor	0	0	0	0	0	4	4	4	4	4	4	4
Indonesia	168	176	184	192	200	208	216	234	242	240	250	258
Japan	5	5	5	5	5	5	5	4	4	5	6	6
Kampuchea Dm.	1	1	1	1	1	1	1	1	1	1	1	1
Macau	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	17	18	18	20	19	18	17	17	15	16	14	12
Maldives	1	1	1	1	1	1	1	1	1	1	1	1
Nepal	8	8	9	9	10	10	10	11	11	12	12	12
Philippines	3	2	4	5	5	5	6	6	5	5	6	6
Taiwan	0	0	0	0	0	0	0	0	0	1	1	1
Thailand	0	0	0	0	0	0	0	0	0	0	0	0
EUROPE	0	0	1	0	0	1	1	1	1	1	1	1
Hungary	0	0	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0	0	0	0	1	0
OCEANIA	13	13	13	14	14	15	15	15	16	16	17	17
Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0
Fr.Polynesia	0	0	0	0	0	0	0	0	0	1	1	1
Guam	0	0	0	0	0	0	0	0	0	0	0	0
Kiribati	0	0	1	1	1	1	1	1	1	1	1	1

continued

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	894	994	832	795	808	841	871	867	883	912	910	892	912
AFRICA	472	569	586	584	592	630	632	632	662	695	695	658	676
Botswana	1	1	1	1	1	1	1	1	1	1	1	1	1
Burkina Faso	1	1	1	1	1	1	1	1	1	1	1	1	1
Cameroon	212	289	286	284	282	300	280	270	290	300	280	280	280
Cape Verde	2	2	2	2	2	2	2	2	2	2	2	2	2
Congo	4	4	4	4	4	3	3	3	3	3	3	3	3
Ethiopia	220	240	260	260	270	290	310	320	330	350	370	333	350
Guinea-Bissau	7	7	7	7	7	7	7	7	7	7	7	7	7
Lesotho	0	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	1	1	1	1	1	1	1	1	1	1	1	1	1
Namibia	20	20	20	20	20	20	22	22	22	25	25	25	26
Sao Tome Prn.	1	1	1	1	1	1	1	1	1	1	1	1	1
Zaire	4	4	4	4	4	4	4	4	4	4	4	4	4
N. & C. AMERICA	34	33	35	35	34	36	38	35	35	35	35	36	36
Belize	0	0	0	0	0	0	0	0	0	0	0	0	0
Grenada	0	0	0	0	0	0	0	0	0	0	0	0	0
Guadeloupe	2	2	1	1	1	1	1	1	1	1	1	1	1
Haiti	18	18	19	19	19	21	21	21	22	22	23	23	23
Honduras	1	1	1	1	1	1	1	1	1	1	2	2	2
Jamaica	3	3	3	3	3	4	4	3	3	3	3	3	3
Martinique	0	1	1	1	1	1	1	1	1	1	1	1	1
Mexico	3	3	3	3	3	3	5	2	2	2	2	2	2
Puerto Rico	3	2	3	3	2	2	2	2	2	2	1	1	1
Saint Lucia	1	1	1	1	1	1	1	1	1	1	1	1	1
St.Chris.Nevis	1	1	1	1	1	1	1	1	1	1	1	1	1
St.Vincent	2	2	2	1	1	1	1	1	1	2	2	2	2
United States	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH AMERICA	62	62	60	61	66	60	64	65	72	74	69	75	78
Bolivia	17	17	17	17	17	13	12	12	19	18	11	16	19
Ecuador	3	3	3	4	4	4	3	4	3	5	5	5	5
Guyana	4	3	3	3	3	3	3	2	2	2	2	3	3
Peru	35	35	35	34	38	38	44	44	45	45	46	46	47
Suriname	0	0	0	0	0	0	0	0	0	0	0	0	0
Venezuela	3	3	2	3	3	3	3	3	3	2	4	4	4
ASIA	308	311	131	95	97	95	116	115	93	87	90	102	101
Bhutan	2	2	2	2	2	2	2	2	2	2	2	2	3
East Timor	4	4	0	0	0	0	0	0	0	0	0	0	0
Indonesia	260	260	86	49	50	48	71	70	48	42	44	43	42
Japan	6	6	6	5	5	6	6	6	6	6	6	6	6
Kampuchea Dm.	1	1	1	1	1	1	1	1	1	1	1	1	1
Macau	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	15	18	16	18	18	17	16	15	15	15	15	15	15
Maldives	1	1	1	1	1	1	1	1	1	1	1	1	1
Nepal	12	13	13	13	13	13	13	14	14	14	15	27	27
Philippines	6	6	5	5	5	5	4	4	4	4	5	5	5
Taiwan	0	1	1	1	1	1	1	1	1	1	1	1	1
Thailand	0	0	0	0	0	0	0	0	0	0	0	0	0
EUROPE	1	1	1	1	1	1	1	1	2	1	1	1	1
Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0
Spain	1	1	1	1	1	1	1	1	1	1	1	1	1
OCEANIA	17	18	18	18	19	19	19	19	19	20	20	20	20
Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0
Fr.Polynesia	1	1	1	1	1	1	1	1	1	1	1	1	1
Guam	0	0	0	0	0	0	0	0	0	0	0	0	0
Kiribati	1	1	1	1	1	1	1	1	1	1	1	1	1

continued

53

TABLE 17 (CONTINUED)

Unspecified root crop area, 1961-65 (000 ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
Papua N.Guinea	11	11	11	11	11	12	12	12	13	13	13	13
Samoa	0	0	0	0	0	0	0	0	0	0	0	0
Vanuatu	1	1	1	1	1	1	1	1	1	1	1	1
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	591	610	673	666	647	671	794	809	830	839	851	866
DEVELOPED NATIONS	5	5	5	6	6	6	6	5	5	6	7	7

94

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
Papua N. Guinea	14	14	14	15	15	15	15	15	15	16	16	16	16
Samoa	0	0	0	0	0	0	0	0	0	0	1	1	1
Vanuatu	1	1	1	2	2	2	2	2	2	2	2	2	2
Wallis Etc.	0	0	0	0	0	0	0	0	0	0	0	0	0
DEVELOPING NATIONS	887	987	825	788	802	834	864	859	875	904	902	884	904
DEVELOPED NATIONS	7	7	7	7	7	7	7	8	8	8	7	7	7

NOTES: See Table 1.

TABLE 18
Unspecified root crop yield, 1961-65 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
WORLD	5	5	5	4	5	5	4	4	4	4	4	4
AFRICA	4	4	4	3	4	4	3	3	3	3	3	3
Botswana	4	4	4	4	4	4	4	4	4	4	4	4
Burkina Faso	6	6	7	7	7	6	6	6	6	6	6	6
Cameroon	5	5	5	4	4	4	3	3	3	4	3	3
Cape Verde	4	4	4	5	5	5	4	5	5	5	4	5
Congo	6	6	6	6	6	6	6	6	6	6	6	6
Ethiopia	2	2	2	2	2	2	2	2	2	2	2	2
Guinea-Bissau	6	6	6	6	6	6	6	6	6	5	5	5
Lesotho	15	15	15	15	15	14	14	14	14	13	13	13
Mozambique	5	5	5	5	5	5	5	5	5	5	5	5
Namibia	8	9	9	9	9	9	9	9	9	9	9	9
Sao Tome Prn.	13	13	13	13	13	12	12	12	12	12	12	12
Zaire	7	7	7	7	7	7	7	8	7	8	8	8
N. & C. AMERICA	5	5	5	5	5	4	4	4	4	4	5	5
Belize	16	17	18	18	17	16	17	17	18	17	18	18
Grenada	6	6	6	6	6	6	6	6	6	6	6	6
Guadeloupe	10	10	10	12	10	9	9	10	10	10	10	10
Haiti	1	1	1	1	1	1	1	1	2	2	2	2
Honduras	3	3	3	3	3	3	3	3	3	3	3	3
Jamaica	10	10	10	9	10	8	8	7	7	9	9	9
Martinique	10	10	10	10	10	10	10	10	10	10	10	10
Mexico	7	7	8	9	8	8	8	7	8	8	10	12
Puerto Rico	3	3	3	3	3	3	3	3	3	4	3	3
Saint Lucia	4	4	4	4	4	4	4	4	4	4	4	4
St.Chris.Nevis	3	3	3	3	3	3	3	3	3	3	3	3
St.Vincent	14	14	14	14	15	11	11	10	11	11	10	10
United States	22	23	23	22	24	25	23	25	23	20	21	22
SOUTH AMERICA	4	5	4	4	4	4	4	4	4	4	4	4
Bolivia	3	3	3	3	3	3	3	3	3	3	3	4
Ecuador	3	3	3	3	4	5	6	8	7	7	7	7
Guyana	6	6	6	6	6	6	6	6	7	7	6	7
Peru	5	5	5	4	4	4	4	4	4	4	4	4
Suriname	5	4	5	4	3	4	5	5	5	5	5	5
Venezuela	6	5	5	5	5	5	5	5	5	5	5	5
ASIA	5	5	5	5	5	5	5	5	5	5	5	5
Bhutan	7	7	7	7	7	7	7	7	7	7	7	7
East Timor	...	...	...	...	...	11	11	11	11	11	11	11
Indonesia	5	5	5	5	5	5	5	5	5	5	5	5
Japan	16	16	18	18	17	18	19	17	16	14	14	15
Kampuchea Dm.	5	5	5	5	5	5	5	5	5	5	5	5
Macau	10	10	10	10	10	10	10	10	10	10	10	10
Malaysia	6	7	7	7	7	6	6	6	6	5	6	6
Maldives	7	5	5	5	5	5	5	5	5	5	5	5
Nepal	5	5	5	5	5	5	5	5	5	5	5	5
Philippines	4	4	4	4	4	4	4	4	4	4	4	3
Taiwan	...	...	...	...	...	10	10	10	10	10	10	10
Thailand	10	10	10	10	10	10	10	10	10	10	10	10
EUROPE	27	21	19	20	14	11	11	10	10	10	10	10
Hungary	10	10	10	10	10	10	10	10	10	10	10	10
Spain	10	9	9	9	9	9	9	10	11	10	10	10
OCEANIA	16	16	16	17	16	16	16	16	16	16	15	15
Cook Islands	32	32	32	32	31	20	28	29	29	29	20	34
Fr.Polynesia	13	13	13	13	13	14	14	14	14	14	14	14
Guam	20	21	21	21	20	16	16	16	16	16	16	17
Kiribati	10	10	10	10	10	10	10	10	10	10	10	10

continued

96

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
WORLD	4	4	4	4	4	4	4	4	4	4	4	4	4
AFRICA	3	3	3	3	3	3	3	3	3	3	3	3	3
Botswana	4	4	5	5	5	5	6	5	5	6	6	5	5
Burkina Faso	6	6	6	6	6	6	6	6	6	6	5	5	5
Cameroon	3	3	3	3	3	3	3	3	3	2	3	3	3
Cape Verde	4	4	4	5	5	3	3	3	3	3	2	2	2
Congo	6	6	6	6	6	6	6	6	6	6	6	6	6
Ethiopia	3	3	3	3	3	3	3	3	3	3	3	2	2
Guinea-Bissau	5	5	5	5	6	5	7	7	5	5	6	6	6
Lesotho	13	13	13	13	13	13	16	16	15	15	15	15	15
Mozambique	5	5	4	4	4	4	5	5	5	5	5	5	5
Namibia	9	9	9	9	10	10	9	9	10	8	9	9	9
Sao Tome Prn.	12	12	13	13	13	13	13	13	14	14	14	14	14
Zaire	7	8	8	7	8	7	7	7	7	7	7	8	8
N. & C. AMERICA	4	5	5	5	5	6	5	5	5	5	5	5	5
Belize	18	18	19	21	20	20	20	20	20	20	20	20	20
Grenada	6	6	6	6	6	6	5	6	6	7	7	6	6
Guadeloupe	10	10	8	10	9	10	9	9	9	9	10	10	10
Haiti	2	2	2	2	2	2	2	2	2	2	2	2	2
Honduras	3	3	3	3	3	3	3	3	3	3	3	3	3
Jamaica	9	10	10	10	9	9	10	9	10	10	10	10	10
Martinique	10	10	10	14	13	13	12	11	12	12	12	12	12
Mexico	10	14	12	12	15	22	12	21	26	26	29	27	27
Puerto Rico	3	8	4	4	6	7	7	7	7	7	7	7	6
Saint Lucia	4	4	5	5	4	4	4	4	4	4	4	4	4
St. Chris. Nevis	3	3	3	3	3	3	3	3	3	3	3	3	3
St. Vincent	10	10	10	10	11	10	10	10	11	10	10	10	10
United States	21	22	19	18	19	19	19	23	20	22	17	19	19
SOUTH AMERICA	4	4	4	4	4	4	4	4	4	4	4	4	4
Bolivia	3	3	3	4	3	4	3	3	4	4	2	3	3
Ecuador	6	6	7	6	6	6	3	2	3	5	6	5	6
Guyana	7	7	7	6	7	7	7	7	7	7	7	7	7
Peru	4	4	4	4	4	4	3	3	3	3	3	3	3
Suriname	6	5	6	5	4	4	6	5	5	5	6	5	5
Venezuela	5	5	5	5	5	5	5	5	4	4	4	5	4
ASIA	5	5	6	6	6	6	6	6	6	6	6	6	6
Bhutan	7	7	7	7	7	7	7	7	7	7	7	7	7
East Timor	11	11	...	...	...	...	...	...	...	...	...	...	...
Indonesia	5	5	5	5	5	5	5	5	5	5	5	5	5
Japan	17	16	16	15	16	17	16	14	14	13	14	15	15
Kampuchea Dm.	7	7	7	7	7	6	6	7	8	8	10	11	11
Macau	10	10	10	10	10	10	10	10	10	10	10	10	10
Malaysia	6	5	5	5	6	6	6	6	6	6	6	6	6
Maldives	5	5	5	5	5	5	5	5	5	5	5	5	5
Nepal	5	5	5	5	5	5	5	5	5	5	5	5	5
Philippines	3	4	4	5	4	4	4	4	4	4	4	4	4
Taiwan	10	10	10	10	10	9	11	11	10	6	10	13	13
Thailand	10	10	10	10	10	10	10	10	10	10	10	10	10
EUROPE	10	10	10	10	10	10	10	10	10	10	10	10	9
Hungary	10	10	10	10	10	10	10	10	10	12	10	9	9
Spain	10	10	10	10	10	10	10	10	10	10	10	10	9
OCEANIA	15	15	15	15	15	15	15	15	15	15	15	15	15
Cook Islands	26	28	30	31	31	32	33	33	33	33	33	33	33
Fr. Polynesia	14	14	14	14	14	14	14	14	13	12	8	8	8
Guam	17	17	16	16	16	16	16	15	15	15	15	15	15
Kiribati	10	10	10	10	10	10	10	10	10	10	10	10	10

continued

81

TABLE 18 (CONTINUED)
Unspecified root crop yield, 1961-85 (t/ha)

Country	61	62	63	64	65	66	67	68	69	70	71	72
Papua N. Guinea	16	16	16	17	16	16	16	16	15	15	15	15
Samoa	7	7	7	7	7	6	7	6	6	6	6	7
Vanuatu	26	25	25	24	23	23	22	22	22	21	21	21
Wallis Etc.	6	6	6	6	6	6	7	7	7	7	7	7
DEVELOPING NATIONS	5	5	5	4	5	5	4	4	4	4	4	4
DEVELOPED NATIONS	17	17	18	19	17	17	18	16	16	13	14	15

Country	73	74	75	76	77	78	79	80	81	82	83	84	85
Papua N.Guinea	15	15	15	15	15	15	15	15	15	15	15	15	15
Samoa	7	7	7	7	7	7	7	7	7	7	7	7	7
Vanuatu	20	20	20	20	20	20	20	20	20	20	20	20	20
Wallis Etc.	7	7	7	7	7	7	7	7	7	7	7	7	7
DEVELOPING NATIONS	4	4	4	4	4	4	4	4	4	4	4	4	4
DEVELOPED NATIONS	16	15	15	15	15	16	15	13	14	13	14	14	14

NOTES: See Table 1.

TABLE 19
Root crop production summary, 1983-85 (000 t)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
WORLD	131792	5667	299446	114185	26051	3385	580526
AFRICA	54510	3281	6185	6100	24973	2044	97095
Algeria	0	0	604	0	0	0	604
Angola	1950	0	40	180	0	0	2170
Benin	690	13	0	34	721	0	1458
Botswana	0	0	0	0	0	7	7
Burkina Faso	42	0	0	43	29	5	119
Burundi	492	103	37	513	6	0	1150
Cameroon	640	0	170	127	377	795	2108
Cape Verde	2	0	2	2	0	3	9
Cent. Afr. Rep.	893	57	0	0	197	0	1147
Chad	273	8	13	38	202	0	534
Comoros	90	0	0	17	0	0	107
Congo	603	0	2	13	14	22	654
Cote d'Ivoire	1313	211	24	12	2650	0	4210
Egypt	0	103	1198	91	0	0	1392
Eq. Guinea	54	0	0	35	0	0	89
Ethiopia	0	0	211	0	236	896	1344
Gabon	252	55	0	1	86	0	394
Gambia	6	0	0	0	0	0	6
Ghana	2728	700	0	0	882	0	4310
Guinea	497	32	0	70	60	0	658
Guinea-Bissau	0	0	0	0	0	40	40
Kenya	421	0	628	275	0	0	1323
Lesotho	0	0	0	0	0	6	6
Liberia	320	17	0	17	18	0	371
Libya	0	0	106	0	0	0	106
Madagascar	2060	91	260	459	0	0	2870
Malawi	299	0	272	0	0	0	571
Mali	73	0	0	54	12	0	138
Mauritania	0	0	1	2	2	0	5
Mauritius	0	0	20	0	0	0	20
Morocco	0	0	564	0	0	0	564
Mozambique	3160	0	60	45	0	5	3270
Namibia	0	0	0	0	0	221	221
Niger	180	0	0	31	0	0	212
Nigeria	11583	1787	43	267	18775	0	32454
Reunion	5	0	5	1	0	0	11
Rwanda	449	33	272	879	7	0	1641
Sao Tome Prn.	3	0	0	0	0	12	15
Senegal	15	0	10	8	0	0	33
Sierra Leone	105	21	0	13	0	0	139
Somalia	36	0	0	4	0	0	40
South Africa	0	0	981	52	0	0	1033
Sudan	126	0	23	42	113	0	305
Swaziland	0	0	6	4	0	0	10
Tanzania	5500	0	200	520	9	0	6229
Togo	417	22	0	7	367	0	813
Tunisia	0	0	145	0	0	0	145
Uganda	3900	0	222	1867	0	0	5988
Zaire	15046	30	40	357	211	32	15714
Zambia	210	0	3	22	0	0	235
Zimbabwe	77	0	23	1	0	0	101
N & C. AMERICA	883	135	20639	1442	341	193	23632
Bahamas	1	0	0	0	0	0	2
Barbados	1	1	0	3	3	0	8
Belize	0	0	0	0	0	3	3
Bermuda	0	0	1	0	0	0	1
Canada	0	0	2769	0	0	0	2769

continued

TABLE 19 (CONTINUED)
 Root crop production summary, 1983-85 (000 t)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
Costa Rica	20	0	37	0	0	0	56
Cuba	300	59	258	332	0	0	949
Dominica	1	18	1	1	4	0	25
Dominican Rp.	119	38	15	46	9	0	228
El Salvador	25	0	6	0	0	0	31
Grenada	0	0	0	0	0	3	4
Guadeloupe	2	0	0	8	10	5	26
Guatemala	9	0	30	0	0	0	39
Haiti	265	0	9	349	120	45	787
Honduras	7	0	9	2	0	4	22
Jamaica	19	0	10	30	140	29	228
Martinique	0	0	0	7	9	9	26
Mexico	43	0	835	50	0	62	990
Nicaragua	27	0	2	0	0	0	29
Panama	34	7	16	0	19	0	76
Puerto Rico	2	0	0	9	13	8	33
Saint Lucia	1	0	0	1	4	4	10
St. Chris. Nevis	0	0	0	0	1	2	3
St. Vincent	3	0	0	2	4	16	25
Trinidad Tob.	3	11	0	2	3	0	20
United States	0	0	16642	597	0	3	17242
SOUTH AMERICA	27479	77	9814	1371	312	266	39320
Argentina	140	0	2044	320	0	0	2504
Bolivia	279	0	569	7	0	40	894
Brazil	22142	0	1996	732	180	0	25049
Chile	0	0	876	7	0	0	883
Colombia	1459	0	2183	0	99	0	3741
Ecuador	223	0	363	7	0	29	622
French Guiana	8	5	0	0	0	0	13
Guyana	0	0	0	0	0	17	17
Paraguay	2554	0	7	109	0	0	2670
Peru	351	18	1418	123	0	161	2070
Suriname	3	0	0	0	0	1	4
Uruguay	0	0	139	60	0	0	199
Venezuela	322	54	220	6	34	19	655
ASIA	48686	1863	74939	104603	176	576	230844
Afghanistan	0	0	322	0	0	0	322
Bangladesh	0	0	1159	703	0	0	1862
Bhutan	0	0	27	0	0	17	44
Brunei Darus.	1	0	0	0	0	0	1
Burma	63	0	156	24	0	0	244
China	3867	1300	47833	93550	0	0	146550
Cyprus	0	3	242	0	0	0	245
Gaza Strip	0	0	7	0	0	0	7
India	5599	0	11583	1565	0	0	18747
Indonesia	13399	0	196	2142	0	216	15953
Iran	0	0	1613	0	0	0	1613
Iraq	0	0	113	0	0	0	113
Israel	0	0	199	2	0	0	201
Japan	0	363	3669	1435	151	94	5713
Jordan	0	0	14	0	0	0	14
Kampuchea Dm.	95	0	0	28	0	9	132
Korea D.P.R.	0	0	1733	440	0	0	2173
Korea Rep.	0	4	477	898	0	0	1378
Laos	77	0	46	38	0	0	161
Lebanon	0	1	122	0	0	0	122
Macao	0	0	0	0	0	4	4
Malaysia	367	0	0	51	0	83	501
Maldives	0	2	0	0	0	7	8

continued

TABLE 19 (CONTINUED)
Root crop production summary, 1983-85 (000 t)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
Mongolia	0	0	113	0	0	0	113
Nepal	0	0	392	0	0	121	513
Oman	0	0	1	0	0	0	1
Pakistan	0	0	516	21	0	0	537
Philippines	1889	130	41	865	25	18	2969
Saudi Arabia	0	0	5	0	0	0	5
Singapore	0	0	0	0	0	0	1
Sri Lanka	718	0	76	135	0	0	929
Syria	0	0	344	0	0	0	344
Taiwan	73	60	29	483	0	7	652
Thailand	19673	1	8	355	0	1	20037
Turkey	0	0	3450	0	0	0	3450
U.A.Emirates	0	0	3	0	0	0	3
Viet Nam	2867	0	263	1867	0	0	4996
Yemen A.R.	0	0	174	0	0	0	174
Yemen Dem.	0	0	14	0	0	0	14
EUROPE	0	0	106151	108	2	9	106270
Albania	0	0	136	0	0	0	136
Austria	0	0	1064	0	0	0	1064
Belgium-Lux.	0	0	1519	0	0	0	1519
Bulgaria	0	0	408	0	0	0	408
Czechoslovakia	0	0	3535	0	0	0	3535
Denmark	0	0	1015	0	0	0	1015
Faeroe Is.	0	0	1	0	0	0	1
Finland	0	0	752	0	0	0	752
France	0	0	6836	0	0	0	6836
German D.R.	0	0	10157	0	0	0	10157
Germany F.R.	0	0	7684	0	0	0	7684
Greece	0	0	1086	4	0	0	1090
Hungary	0	0	1385	0	0	2	1387
Iceland	0	0	13	0	0	0	13
Ireland	0	0	713	0	0	0	713
Italy	0	0	2450	15	0	0	2465
Liechtenstein	0	0	12	0	0	0	12
Malta	0	0	14	0	0	0	14
Netherlands	0	0	6412	0	0	0	6412
Norway	0	0	476	0	0	0	476
Poland	0	0	36152	0	0	0	36152
Portugal	0	0	1128	46	2	0	1176
Romania	0	0	6428	0	0	0	6428
Spain	0	0	5641	43	0	7	5691
Sweden	0	0	1121	0	0	0	1121
Switzerland	0	0	828	0	0	0	828
United Kingdom	0	0	6702	0	0	0	6702
Yugoslavia	0	0	2484	0	0	0	2484
OCEANIA	233	311	1243	560	246	298	2891
American Samoa	0	4	0	0	0	0	4
Australia	0	0	957	4	0	0	961
Cook Islands	4	0	0	1	0	7	12
Fiji	90	29	1	7	10	0	137
Fr.Polynesia	5	0	3	1	0	4	13
Guam	0	0	0	0	0	1	2
Kiribati	0	3	0	0	0	10	13
New Caledonia	3	3	2	3	11	0	22
New Zealand	0	0	280	8	0	0	288
Niue	0	1	0	0	0	0	2
Pacific Is.	10	0	0	3	0	0	13
Papua N.Guinea	101	182	0	464	170	240	1158

continued

92

TABLE 19 (CONTINUED)
Root crop production summary, 1983-85 (000 t)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
Samoa	0	37	0	0	1	3	42
Solomon Is.	1	21	0	50	19	0	91
Tonga	16	30	0	17	35	0	98
Vanuatu	0	0	0	0	0	30	30
Wallis Etc.	2	2	0	0	1	1	6
U.S.S.R.	0	0	80474	0	0	0	80474
DEVELOPING NATIONS	131792	5304	87324	111979	25898	3280	365576
DEVELOPED NATIONS	0	363	212122	2208	153	105	214950

Derived from FAO, Basic Data Unit, Production Account (unpublished, May 1986 update).
 Includes countries producing an average of 500 tons or more of root crops during the period.
 Regional totals include figures for countries not listed. All calculations were done with
 unrounded numbers.

TABLE 20
Root crop area summary, 1983-85 (000 ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
WORLD	13823	1006	20333	7998	2466	904	46531
AFRICA	7386	755	741	1094	2332	676	12984
Algeria	0	0	82	0	0	0	82
Angola	130	0	6	19	0	0	155
Benin	100	2	0	7	83	0	192
Botswana	0	0	0	0	0	1	1
Burkina Faso	6	0	0	15	5	1	27
Burundi	43	24	10	76	1	0	155
Cameroon	400	0	72	36	80	280	868
Cape Verde	0	0	0	1	0	2	3
Cent. Afr. Rep.	300	18	0	0	38	0	356
Chad	66	10	3	6	23	0	107
Comoros	30	0	0	2	0	0	32
Congo	94	0	0	2	3	3	102
Cote d'Ivoire	250	160	2	6	284	0	701
Egypt	0	3	67	4	0	0	73
Eq. Guinea	25	0	0	12	0	0	37
Ethiopia	0	0	37	0	61	351	450
Gabon	42	8	0	1	10	0	61
Gambia	2	0	0	0	0	0	2
Ghana	312	140	0	0	113	0	565
Guinea	70	20	0	10	7	0	107
Guinea-Bissau	0	0	0	0	0	7	7
Kenya	64	0	77	30	0	0	170
Lesotho	0	0	0	0	0	0	0
Liberia	87	2	0	2	2	0	93
Libya	0	0	15	0	0	0	15
Madagascar	339	14	40	95	0	0	487
Malawi	46	0	79	0	0	0	125
Mali	8	0	0	5	2	0	14
Mauritania	0	0	0	2	0	0	3
Mauritius	0	0	1	0	0	0	1
Morocco	0	0	42	0	0	0	42
Mozambique	540	0	6	9	0	1	556
Namibia	0	0	0	0	0	25	25
Niger	25	0	0	5	0	0	31
Nigeria	1200	330	3	20	1517	0	3070
Reunion	0	0	0	0	0	0	1
Rwanda	43	7	39	105	1	0	196
Sao Tome Prn.	0	0	0	0	0	1	1
Senegal	6	0	1	2	0	0	8
Sierra Leone	31	5	0	6	0	0	41
Somalia	3	0	0	0	0	0	4
South Africa	0	0	73	14	0	0	87
Sudan	45	0	1	2	39	0	88
Swaziland	0	0	3	1	0	0	4
Tanzania	450	0	30	84	2	0	565
Togo	15	4	0	2	34	0	55
Tunisia	0	0	12	0	0	0	12
Uganda	403	0	31	440	0	0	874
Zaire	2129	8	8	72	28	4	2248
Zambia	61	0	0	3	0	0	64
Zimbabwe	19	0	2	0	0	0	21
N. & C. AMERICA	158	20	744	213	60	36	1231
Bahamas	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	1
Belize	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0
Canada	0	0	117	0	0	0	117

continued

TABLE 20 (CONTINUED)
Root crop area summary, 1983-85 (000 ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
Costa Rica	5	0	3	0	0	0	8
Cuba	46	10	14	83	0	0	153
Dominica	0	2	0	0	0	0	3
Dominican Rp.	20	5	1	7	2	0	34
El Salvador	2	0	0	0	0	0	2
Grenada	0	0	0	0	0	0	1
Guadeloupe	0	0	0	1	1	1	3
Guatemala	3	0	6	0	0	0	8
Haiti	65	0	1	70	36	23	194
Honduras	0	0	1	0	0	2	3
Jamaica	2	0	1	3	12	3	22
Martinique	0	0	0	1	2	1	4
Mexico	2	0	71	3	0	2	79
Nicaragua	7	0	0	0	0	0	7
Panama	5	1	2	0	2	0	9
Puerto Rico	0	0	0	1	2	1	5
Saint Lucia	0	0	0	0	1	1	3
St.Chris.Nevis	0	0	0	0	0	1	1
St.Vincent	0	0	0	1	0	2	3
Trinidad Tob.	0	1	0	0	0	0	2
United States	0	0	526	42	0	0	568
SOUTH AMERICA	2389	13	893	153	39	74	3561
Argentina	16	0	112	30	0	0	158
Bolivia	30	0	150	2	0	16	197
Brazil	1915	0	166	79	20	0	2180
Chile	0	0	70	1	0	0	71
Colombia	161	0	153	0	14	0	328
Ecuador	23	0	32	1	0	5	62
French Guiana	1	0	0	0	0	0	1
Guyana	0	0	0	0	0	3	3
Paraguay	170	0	1	14	0	0	185
Peru	33	3	172	9	0	46	264
Suriname	1	0	0	0	0	0	1
Uruguay	0	0	20	15	0	0	35
Venezuela	40	9	17	1	6	4	77
ASIA	3870	174	5894	6413	16	97	16464
Afghanistan	0	0	22	0	0	0	22
Bangladesh	0	0	110	64	0	0	174
Bhutan	0	0	4	0	0	2	6
Brunei Darus.	0	0	0	0	0	0	0
Burma	5	0	16	5	0	0	26
China	240	102	4066	5067	0	0	9474
Cyprus	0	0	11	0	0	0	11
Gaza Strip	0	0	0	0	0	0	0
India	310	0	794	212	0	0	1316
Indonesia	1279	0	26	258	0	43	1606
Iran	0	0	112	0	0	0	112
Iraq	0	0	6	0	0	0	6
Israel	0	0	5	0	0	0	5
Japan	0	29	130	65	8	6	238
Jordan	0	0	1	0	0	0	1
Kampuchea Dm.	13	0	0	3	0	1	16
Korea D.P.R.	0	0	140	31	0	0	171
Korea Rep.	0	0	29	37	0	0	67
Laos	5	0	5	3	0	0	14
Lebanon	0	0	8	0	0	0	8
Macau	0	0	0	0	0	0	0
Malaysia	34	0	0	3	0	15	52
Maldives	0	0	0	0	0	1	2

continued

TABLE 20 (CONTINUED)

Root crop area summary, 1983-85 (000 ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
Mongolia	0	0	10	0	0	0	10
Nepal	0	0	61	0	0	23	84
Oman	0	0	0	0	0	0	0
Pakistan	0	0	50	1	0	0	52
Philippines	234	36	4	187	8	5	474
Saudi Arabia	0	0	0	0	0	0	0
Singapore	0	0	0	0	0	0	0
Sri Lanka	56	0	6	15	0	0	78
Syria	0	0	20	0	0	0	20
Taiwan	5	6	2	31	0	1	46
Thailand	1194	0	1	40	0	0	1234
Turkey	0	0	207	0	0	0	207
U.A.E.Emirates	0	0	0	0	0	0	0
Viet Nam	495	0	30	391	0	0	916
Yemen A.R.	0	0	13	0	0	0	13
Yemen Dem.	0	0	1	0	0	0	1
EUROPE	0	0	5298	10	0	1	5309
Albania	0	0	15	0	0	0	15
Austria	0	0	40	0	0	0	40
Belgium-Lux.	0	0	39	0	0	0	39
Bulgaria	0	0	40	0	0	0	40
Czechoslovakia	0	0	190	0	0	0	190
Denmark	0	0	30	0	0	0	30
Faeroe Is.	0	0	0	0	0	0	0
Finland	0	0	42	0	0	0	42
France	0	0	207	0	0	0	207
German D.R.	0	0	484	0	0	0	484
Germany F.R.	0	0	245	0	0	0	245
Greece	0	0	62	0	0	0	62
Hungary	0	0	75	0	0	0	75
Iceland	0	0	1	0	0	0	1
Ireland	0	0	32	0	0	0	32
Italy	0	0	141	1	0	0	142
Liechtenstein	0	0	1	0	0	0	1
Malta	0	0	2	0	0	0	2
Netherlands	0	0	164	0	0	0	164
Norway	0	0	20	0	0	0	20
Poland	0	0	2154	0	0	0	2154
Portugal	0	0	127	6	0	0	134
Romania	0	0	317	0	0	0	317
Spain	0	0	337	3	0	1	340
Sweden	0	0	40	0	0	0	40
Switzerland	0	0	23	0	0	0	23
United Kingdom	0	0	195	0	0	0	195
Yugoslavia	0	0	274	0	0	0	274
OCEANIA	21	45	49	116	18	20	268
American Samoa	0	1	0	0	0	0	1
Australia	0	0	38	0	0	0	38
Cook Islands	0	0	0	0	0	0	0
Fiji	8	5	0	1	1	0	15
Fr.Polynesia	0	0	0	0	0	1	1
Guam	0	0	0	0	0	0	0
Kiribati	0	0	0	0	0	1	1
New Caledonia	0	1	0	1	2	0	4
New Zealand	0	0	10	0	0	0	10
Niue	0	1	0	0	0	0	1
Pacific Is.	1	0	0	1	0	0	2
Papua N.Guinea	10	27	0	102	11	16	166

continued

TABLE 20 (CONTINUED)
Root crop area summary, 1983-85 (000 ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	Total
Samoa	0	5	0	0	0	1	6
Solomon Is.	0	1	0	4	1	0	6
Tonga	1	4	0	7	3	0	15
Vanuatu	0	0	0	0	0	2	2
Wallis Etc.	0	0	0	0	0	0	1
U.S.S.R.	0	0	6715	0	0	0	6715
DEVELOPING NATIONS	13823	977	7421	7867	2458	897	33443
DEVELOPED NATIONS	0	29	12912	131	8	7	13088

NOTES: See Table 19.

TABLE 21
Root crop yield summary, 1983-85 (t/ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified
WORLD	10	6	15	14	11	4
AFRICA	7	4	8	6	11	3
Algeria	...	...	7	...	...	...
Angola	15	...	7	9	...	...
Benin	7	7	...	5	9	...
Botswana	...	...	...	...	...	6
Burkina Faso	7	...	...	3	6	5
Burundi	11	4	4	7	5	...
Cameroon	2	...	2	3	5	3
Cape Verde	7	...	16	2	...	2
Cent. Afr. Rep.	3	3	2	...	5	...
Chad	4	1	5	6	9	...
Comoros	3	...	...	8	...	...
Congo	6	...	6	6	5	6
Cote d'Ivoire	5	1	12	2	9	...
Egypt	...	32	18	26	...	...
Eq. Guinea	2	...	...	3	...	...
Ethiopia	...	...	6	...	4	3
Gabon	6	7	...	1	9	...
Gambia	3	...	...	...	...	...
Ghana	9	5	...	...	8	...
Guinea	7	2	...	7	9	...
Guinea-Bissau	...	...	...	...	...	6
Kenya	7	...	8	9	...	...
Lesotho	...	...	...	...	...	15
Liberia	4	8	...	11	9	...
Libya	...	...	7	...	...	...
Madagascar	6	6	6	5	...	...
Malawi	6	...	3	...	...	...
Mali	9	...	...	12	7	...
Mauritania	...	...	4	1	6	...
Mauritius	15	11	24	8	...	...
Morocco	...	...	13	...	...	...
Mozambique	6	...	10	5	...	5
Namibia	...	...	...	...	...	9
Niger	7	...	7	6	...	...
Nigeria	10	5	14	13	12	...
Reunion	10	...	19	8	...	...
Rwanda	10	5	7	8	5	...
Sao Tome Prn.	11	...	...	...	...	14
Senegal	3	...	14	5	...	...
Sierra Leone	3	5	...	2	...	...
Somalia	11	...	...	10	...	...
South Africa	...	...	13	4	...	...
Sudan	3	...	19	26	3	...
Swaziland	...	...	2	4	...	...
Tanzania	12	...	7	6	5	...
Togo	28	5	...	3	11	...
Tunisia	...	...	12	...	...	...
Uganda	10	...	7	4	...	...
Zaire	7	4	5	5	8	8
Zambia	3	...	9	7	...	...
Zimbabwe	4	...	15	2	...	...
N. & C. AMERICA	6	7	28	7	6	5
Bahamas	14	...	...	4	...	...
Barbados	24	3	...	10	11	...
Belize	...	...	...	...	...	20
Bermuda	...	...	10	7	...	...
Canada	...	...	24	...	...	...

continued

98

TABLE 21 (CONTINUED)

Root crop yield summary, 1983-85 (t/ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified
Costa Rica	4	...	13	...	...	...
Cuba	7	6	18	4	...	...
Dominica	10	10	5	10	10	...
Dominican Rp.	6	7	12	7	6	...
El Salvador	13	...	19	5	...	...
Grenada	7	...	...	3	3	6
Guadeloupe	11	...	...	9	9	10
Guatemala	4	...	5	...	...	...
Haiti	4	...	15	5	3	2
Honduras	18	...	12	3	...	3
Jamaica	9	...	9	9	11	10
Martinique	3	...	...	13	4	12
Mexico	18	...	12	17	...	28
Nicaragua	4	...	4	...	...	4
Panama	7	7	11	...	9	...
Puerto Rico	8	...	...	8	6	6
Saint Lucia	3	5	...	5	4	4
St.Chris.Nevis)	...	...	9	5	5	3
St.Vincent	11	...	...	2	10	10
Trinidad Tob.	12	11	...	11	18	...
United States	...	...	32	14	...	19
SOUTH AMERICA	12	6	11	9	6	4
Argentina	9	...	18	11	...	...
Bolivia	9	...	4	4	...	3
Brazil	12	...	12	9	9	...
Chile	...	...	12	7	...	...
Colombia	9	...	14	...	7	...
Ecuador	10	...	11	5	...	6
French Gulana	11	11	...	...	...	...
Guyana	...	...	...	...	...	7
Paraguay	15	...	8	8	...	...
Peru	11	5	8	13	...	3
Suriname	6	...	...	5	...	5
Uruguay	...	...	7	4	...	...
Venezuela	8	6	13	4	6	4
ASIA	13	11	13	16	11	6
Afghanistan	...	...	14	...	...	...
Bangladesh	...	...	11	11	...	...
Bhutan	...	...	7	...	...	7
Brunei Darus.	9	...	...	5	...	3
Burma	12	...	9	5	...	...
China	16	13	12	18	...	...
Cyprus	...	27	22	...	...	...
GazaStrip	...	...	16	...	...	...
India	18	...	15	7	...	...
Indonesia	10	...	7	8	...	5
Iran	...	...	14	...	...	...
Iraq	...	...	17	...	...	...
Israel	...	...	39	39	...	...
Japan	...	13	28	22	19	15
Jordan	...	...	19	...	...	...
Kampuchea Dm.	7	...	...	9	...	11
Korea D.P.R.	...	...	12	14	...	...
Korea Rep.	...	9	16	24	...	...
Laos	14	...	9	11	...	...
Lebanon	...	17	15	...	...	...
Macau	...	...	...	...	...	10
Malaysia	11	...	...	17	...	6
Maldives	4	10	...	4	...	5

continued

TABLE 21 (CONTINUED)
 Root crop yield summary, 1983-85 (t/ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified
Mongolia	...	...	11	...	...	...
Nepal	...	...	6	...	...	5
Oman	...	...	4	...	...	...
Pakistan	...	...	10	15	...	...
Philippines	8	4	10	5	3	4
Saudi Arabia	...	...	14	...	...	...
Singapore	11	...	...	12	...	7
Sri Lanka	13	...	12	9	...	...
Syria	...	...	17	...	...	...
Taiwan	14	9	14	15	...	12
Thailand	16	10	11	9	...	10
Turkey	...	...	17	...	...	5
U.A.Emirates	...	...	10	...	...	...
Viet Nam	6	...	9	5	...	...
Yemen A.R.	...	...	14	...	...	...
Yemen Dem.	...	...	11	...	...	...
EUROPE	...	...	20	11	10	10
Albania	...	...	9	...	...	...
Austria	...	...	27	...	...	...
Belgium-Lux.	...	...	39	...	...	...
Bulgaria	...	...	10	...	...	...
Czechoslovakia	...	...	19	...	...	...
Denmark	...	...	33	...	...	...
Faeroe Is.	...	...	14	...	...	...
Finland	...	...	18	...	...	...
France	...	...	33	...	...	...
German D.R.	...	...	21	...	...	...
Germany F.R.	...	...	31	...	...	...
Greece	...	...	18	18	...	...
Hungary	...	...	19	...	...	9
Iceland	...	...	13	...	...	...
Ireland	...	...	22	...	...	...
Italy	...	...	17	21	...	...
Liechtenstein	...	...	19	...	...	...
Malta	...	...	7	...	...	...
Netherlands	...	...	39	...	...	...
Norway	...	...	24	...	...	...
Poland	...	...	17	...	...	...
Portugal	...	...	9	8	10	10
Romania	...	...	20	...	...	...
Spain	...	...	17	15	...	10
Sweden	...	...	28	...	...	...
Switzerland	...	...	36	...	...	...
United Kingdom	...	...	34	...	...	...
Yugoslavia	...	...	9	...	...	...
OCEANIA	11	7	25	5	14	15
American Samoa	4	6	...	...	2	...
Australia	...	...	25	13	...	...
Cook Islands	32	...	...	26	...	33
Fiji	12	6	6	10	7	...
Fr.Polynesia	17	...	8	2	...	8
Guam	...	...	...	2	...	15
Kiribati	...	6	...	...	...	10
New Caledonia	6	4	5	5	6	...
New Zealand	...	...	28	16	...	...
Niue	4	2	...	25	2	...
Pacific Is.	9	...	...	7	...	...
Papua N.G.inea	11	7	7	5	15	15

continued

100

TABLE 21 (CONTINUED)
Root crop yield summary, 1983-85 (t/ha)

Country	Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified
Samoa	12	7	...	...	15	7
Solomon Is.	14	19	...	13	29	...
Tonga	15	7	...	3	13	...
Vanuatu	...	...	...	...	...	20
Wallis Etc.	10	13	...	...	12	7
U.S.S.R.	...	...	12	...	...	...
DEVELOPING NATIONS	10	5	12	14	11	4
DEVELOPED NATIONS	...	13	16	17	19	14

NOTES: See Table 19.

TABLE 22

Per capita root crop production and quantities available for consumption and to supply dietary energy and protein, 1984

Country	Cassava				Edible aroids				Potato			
	Production kg	Consumption			Production kg	Consumption			Production kg	Consumption		
		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g
WORLD	28	16	14	85	1	1	1	15	66	32	22	535
AFRICA	104	78	79	482	17	5	4	71	11	8	6	122
Algeria	0	0	0	0	0	0	0	0	25	28	20	415
Angola	228	193	210	1660	0	0	0	0	5	4	3	57
Benin	177	154	169	1384	3	3	2	43	0	0	0	1
Botswana	0	0	0	0	0	0	0	0	0	3	2	51
Burkina Faso	6	4	5	40	0	0	0	0	0	0	0	0
Burundi	111	68	65	305	22	22	19	337	8	6	4	84
Cameroon	68	44	48	396	0	0	0	0	17	0	0	0
Cape Verde	5	5	5	41	0	0	0	0	8	12	8	175
Cent.Afr.Rep.	357	283	0	0	23	19	0	0	0	0	0	0
Chad	57	51	57	463	2	1	1	20	3	2	1	30
Comoros	209	184	0	0	0	0	0	0	0	0	0	0
Congo	354	357	362	2189	0	0	0	0	1	1	1	18
Cote d'Ivoire	130	58	64	526	21	15	13	224	3	3	2	47
Egypt	0	0	0	0	2	2	2	27	26	19	13	281
Eq.Guinea	141	0	0	0	0	0	0	0	0	0	0	0
Ethiopia	0	0	0	0	0	0	0	0	4	3	0	0
Gabon	216	197	208	1470	53	48	41	715	0	2	1	26
Gambia	10	9	10	81	0	0	0	0	0	0	0	6
Ghana	310	152	167	1367	55	53	45	790	0	0	0	0
Guinea	84	75	83	677	5	4	4	64	0	0	0	0
Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	5
Kenya	31	30	33	270	0	0	0	0	32	26	18	384
Lesotho	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	151	151	166	1357	8	7	6	105	0	1	0	8
Libya	0	0	0	0	0	0	0	0	27	31	22	462
Madagascar	210	129	134	915	10	5	5	79	27	18	13	272
Malawi	44	40	40	238	0	0	0	0	40	25	18	376
Mali	10	9	10	84	0	0	0	0	0	0	0	1
Mauritania	0	0	0	0	0	0	0	0	0	2	1	23
Mauritius	0	0	0	2	0	0	0	4	20	19	13	281
Morocco	0	0	0	0	0	0	0	0	26	17	12	259
Mozambique	232	223	245	1996	0	0	0	0	4	4	3	56
Namibia	0	0	0	0	0	0	0	0	0	0	0	0
Niger	29	24	27	219	0	0	0	0	0	0	0	1
Nigeria	128	85	84	273	19	14	12	207	0	0	0	5
Reunion	9	6	7	57	0	0	0	0	10	9	7	140
Rwanda	55	58	57	287	5	5	4	74	43	35	25	526
Sao Tome Prn.	32	29	32	255	0	0	0	0	0	0	0	0
Senegal	3	2	2	14	0	0	0	0	2	3	2	49
Seychelles	2	2	2	14	0	0	0	0	0	9	7	135
Sierra Leone	28	28	31	255	6	5	5	80	0	0	0	3
Somalia	8	6	7	57	0	0	0	0	0	0	0	2
South Africa	0	0	0	0	0	0	0	0	31	21	15	315
Sudan	6	5	6	48	0	0	0	0	1	1	0	8
Swaziland	0	0	0	0	0	0	0	0	10	6	4	92
Tanzania	258	197	198	1236	0	0	0	0	9	7	5	108
Togo	155	135	139	907	7	6	5	93	0	0	0	4
Tunisia	0	0	0	0	0	0	0	0	19	20	14	304
Uganda	261	183	196	1500	0	0	0	0	15	10	7	155
Zaire	517	431	428	2374	1	1	1	15	1	1	1	15
Zambia	33	31	34	279	0	0	0	0	0	0	0	6
Zimbabwe	9	9	10	81	0	0	0	0	3	2	2	34

continued

Country	Sweet potato				Yam				Total			
	Produc- tion kg	Consumption			Produc- tion kg	Consumption			Produc- tion kg	Consumption		
		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g
WORLD	24	19	18	185	5	3	3	53	125	71	59	876
AFRICA	11	9	9	122	46	28	27	438	193	132	126	1257
Algeria	0	0	0	0	0	0	0	0	25	28	20	415
Angola	21	19	18	247	0	0	0	0	254	216	231	1964
Benin	9	8	7	100	186	102	102	1630	375	266	281	3157
Botswana	0	0	0	0	0	0	0	0	7	10	8	157
Burkina Faso	6	4	4	54	4	4	4	59	17	13	13	164
Burundi	113	101	97	1318	1	1	1	27	255	199	187	2070
Cameroon	14	12	11	155	39	23	234	375	221	126	336	1628
Cape Verde	7	6	6	78	0	0	0	0	29	30	27	428
Cent.Afr.Rep.	0	0	0	0	78	59	0	0	458	361	0	0
Chad	8	6	6	81	41	33	29	686	111	94	94	1279
Comoros	39	35	0	0	0	0	0	0	248	219	0	0
Congo	8	7	7	90	8	7	6	150	384	384	386	2630
Cote d'Ivoire	1	1	1	14	275	154	154	2462	430	232	234	3274
Egypt	2	2	2	21	0	0	0	0	30	22	16	330
Eq.Guinea	90	0	0	0	0	0	0	0	231	0	0	0
Ethiopia	0	0	0	0	5	4	0	0	28	25	0	0
Gabon	1	1	1	14	79	75	75	1207	349	323	327	3434
Gambia	0	0	0	0	0	0	0	0	10	9	10	87
Ghana	0	0	0	0	67	64	64	1017	432	268	276	3174
Guinea	12	10	10	130	10	9	9	146	111	99	105	1017
Guinea-Bissau	0	0	0	0	0	0	0	0	46	41	43	415
Kenya	14	12	12	183	0	0	0	0	77	68	63	837
Lesotho	0	0	0	0	0	0	0	0	4	5	5	88
Liberia	8	7	7	94	8	7	7	119	175	173	187	1682
Libya	0	0	0	0	0	0	0	0	27	31	22	462
Madagascar	48	28	26	358	0	0	0	0	295	180	178	1625
Malawi	0	0	0	0	0	0	0	0	84	65	57	614
Mali	7	7	6	85	1	1	1	22	18	17	18	192
Mauritania	1	1	1	14	1	1	1	19	2	4	3	56
Mauritius	0	0	0	2	0	0	0	0	20	19	14	289
Morocco	0	0	0	0	0	0	0	0	26	17	12	259
Mozambique	3	3	3	39	0	0	0	0	239	230	251	2097
Namibia	0	0	0	0	0	0	0	0	146	117	106	1869
Niger	5	5	5	61	0	0	0	0	34	29	31	281
Nigeria	3	2	2	32	201	118	118	1891	351	220	217	2407
Reunion	3	2	2	30	0	0	0	0	22	19	17	245
Rwanda	124	128	123	1666	1	1	1	16	228	227	210	2568
Sao Tome Prn.	0	0	0	0	0	0	0	0	160	144	114	1404
Senegal	1	1	1	14	0	0	0	0	6	6	5	76
Seychelles	0	0	0	0	0	0	0	0	2	11	9	149
Sierra Leone	4	3	3	42	0	0	0	0	38	37	39	380
Somalia	1	1	1	9	0	0	0	0	9	7	8	68
South Africa	2	2	1	20	0	0	0	0	33	23	16	335
Sudan	2	2	2	22	5	5	5	76	14	12	13	154
Swaziland	8	7	7	92	0	0	0	0	18	13	11	184
Tanzania	23	21	20	277	0	0	0	6	290	225	224	1627
Togo	2	2	2	25	119	91	91	1451	283	234	237	2481
Tunisia	0	0	0	0	0	0	0	0	19	20	14	304
Uganda	127	102	97	1320	0	0	0	0	403	295	301	2974
Zaire	12	10	10	132	7	6	6	96	539	450	446	2643
Zambia	3	3	3	40	0	0	0	0	36	34	37	324
Zimbabwe	0	0	0	1	0	0	0	0	12	11	11	115

continued

TABLE 22 (CONTINUED)

Per capita root crop production and quantities available for consumption and to supply dietary energy and protein, 1984

Country	Cassava				Edible aroids				Potato			
	Production kg	Wt. kg	Consumption Energy kcal	Protein g	Production kg	Wt. kg	Consumption Energy kcal	Protein g	Production kg	Wt. kg	Consumption Energy kcal	Protein g
N. & C. AMERICA	2	2	1	7	2	0	0	4	52	40	27	642
Antigua	0	0	0	0	0	0	0	0	0	3	2	51
Bahamas	6	6	6	53	0	0	0	0	0	26	18	438
Barbados	4	4	4	24	2	3	3	48	0	26	17	615
Belize	0	0	0	0	0	0	0	0	0	11	8	208
Bermuda	0	2	2	13	0	0	0	0	11	18	13	312
Canada	0	0	0	0	0	0	0	0	111	70	49	1183
Cayman Is.	0	0	0	0	0	0	0	0	0	0	0	0
Costa Rica	7	3	3	22	0	0	0	0	12	8	6	155
Cuba	30	19	21	95	6	5	6	92	26	23	15	209
Dominica	11	6	5	40	241	84	86	1373	7	4	3	80
Dominican Rp.	21	15	15	72	6	3	3	52	2	2	2	55
El Salvador	5	5	4	32	0	0	0	0	1	3	2	64
Grenada	1	1	1	9	0	0	0	0	0	4	3	63
Guadeloupe	9	2	2	15	0	0	0	0	0	14	10	255
Guatemala	1	1	1	6	0	0	0	0	4	3	2	52
Haiti	41	25	23	120	0	0	0	0	1	1	1	20
Honduras	2	2	1	11	0	0	0	0	2	2	2	38
Jamaica	9	6	7	32	0	0	0	0	5	4	3	39
Martinique	1	1	1	6	0	0	0	0	0	14	10	259
Mexico	1	0	0	0	0	0	0	0	11	11	0	0
Montserrat	0	0	0	0	0	0	0	0	10	0	0	0
Neth. Antilles	0	0	0	0	0	0	0	0	0	30	22	565
Nicaragua	9	8	7	54	0	0	0	0	1	1	1	23
Panama	16	11	10	78	3	1	1	22	8	6	4	106
Puerto Rico	1	0	0	0	0	0	0	0	0	0	0	0
Saint Lucia	7	7	6	47	3	3	3	47	0	4	3	102
St. Chris. Nevis	0	0	0	0	0	0	0	0	5	13	9	208
St. Vincent	31	14	14	58	0	0	0	0	0	4	3	67
Trinidad Tob.	3	3	0	0	9	19	0	0	0	20	0	0
United States	0	0	0	0	0	0	0	0	69	55	38	927
SOUTH AMERICA	102	41	36	237	0	0	0	1	41	32	22	660
Argentina	5	2	2	14	0	0	0	0	70	64	43	1542
Bolivia	45	34	30	235	0	0	0	0	108	55	37	1330
Brazil	162	62	55	355	0	0	0	0	16	14	9	326
Chile	0	0	0	0	0	0	0	0	87	52	38	994
Colombia	49	37	33	230	0	0	0	0	88	64	47	1224
Ecuador	26	18	16	123	0	0	0	0	43	31	22	584
French Guiana	95	34	37	304	63	28	24	418	0	8	6	139
Guyana	0	0	0	0	0	0	0	0	0	0	0	0
Paraguay	699	154	139	965	0	0	0	0	2	2	1	30
Peru	19	15	13	103	1	1	1	12	76	59	43	1117
Suriname	10	10	9	67	0	0	0	0	0	11	8	208
Uruguay	0	0	0	0	0	0	0	0	48	35	25	645
Venezuela	20	10	0	0	3	3	0	0	15	13	0	0
ASIA	18	8	5	28	1	1	0	9	27	19	13	307
Afghanistan	0	0	0	0	0	0	0	0	19	14	10	239
Bangladesh	0	0	0	0	0	0	0	0	12	10	7	162
Bhutan	0	0	0	0	0	0	0	0	19	0	0	0
Brunei Darus.	3	3	3	18	0	0	0	0	0	9	6	135
Burma	2	1	1	10	0	0	0	0	4	4	2	61
China	4	2	2	17	1	1	1	18	47	30	21	507
Cyprus	0	0	0	0	5	2	2	33	355	29	21	501
Gaza Strip	0	0	0	0	0	0	0	0	15	0	0	0
Hong Kong	0	3	3	4	0	0	0	0	0	4	3	64
India	8	7	6	26	0	0	0	0	16	12	8	198

continued

Country	Sweet potato				Yam				Total			
	Produc- tion kg	Consumption			Produc- tion kg	Consumption			Produc- tion kg	Consumption		
		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g
N. & C. AMERICA	4	3	3	34	1	1	1	13	61	46	32	704
Antigua	1	1	1	13	0	0	0	13	1	5	4	76
Bahamas	2	3	3	35	0	0	0	0	8	35	27	527
Barbados	8	7	6	71	13	11	10	202	27	51	40	960
Belize	0	0	0	0	0	0	0	0	19	24	19	365
Bermuda	1	1	1	13	0	0	0	0	12	22	16	338
Canada	0	0	0	5	0	0	0	0	111	70	49	1188
Cayman Is.	0	0	0	0	1	0	0	0	1	0	0	0
Costa Rica	0	0	0	0	0	0	0	0	19	11	10	192
Cuba	34	27	26	296	0	0	0	0	96	75	68	692
Dominica	19	10	9	93	60	37	33	787	338	141	136	2373
Dominican Rp.	10	7	6	72	1	2	2	37	40	29	28	288
El Salvador	0	0	0	1	0	0	0	0	6	8	7	97
Grenada	2	2	2	18	4	4	3	80	31	32	29	518
Guadeloupe	25	6	5	72	30	7	7	156	79	38	32	607
Guatemala	0	0	0	0	0	0	0	0	5	5	3	58
Haiti	55	44	42	480	19	15	13	269	123	91	84	957
Honduras	0	0	0	3	0	0	0	0	5	5	4	66
Jamaica	16	13	13	142	65	57	51	1201	108	93	84	1556
Martinique	21	20	17	238	27	11	10	223	76	79	68	1128
Mexico	1	1	0	0	0	0	0	0	14	13	0	0
Montserrat	1	0	0	0	0	0	0	0	11	0	0	0
Neth. Antilles	0	0	0	0	0	0	0	0	0	32	24	599
Nicaragua	0	0	0	0	0	0	0	0	10	9	8	79
Panama	0	0	0	0	9	4	4	80	36	23	21	310
Puerto Rico	3	0	0	0	4	0	0	0	10	0	0	0
Saint Lucia	11	10	9	102	30	26	24	477	82	79	70	1109
St. Chris. Nevis	3	3	2	19	16	14	13	302	54	57	49	962
St. Vincent	14	3	3	29	38	23	20	471	237	96	89	1490
Trinidad Tob.	2	3	0	0	3	5	0	0	17	49	0	0
United States	2	2	2	27	0	0	0	0	71	56	40	955
SOUTH AMERICA	5	4	3	36	1	1	1	15	150	78	62	956
Argentina	11	10	9	99	0	0	0	0	86	77	54	1655
Bolivia	1	1	1	8	0	0	0	0	161	95	71	1626
Brazil	6	3	2	28	1	1	1	14	185	79	68	724
Chile	1	1	0	6	0	0	0	0	88	53	39	1000
Colombia	0	0	0	0	4	4	4	75	41	17	4	1529
Ecuador	1	1	1	6	0	0	0	0	73	52	40	737
French Guiana	0	0	0	0	0	0	0	0	158	70	67	861
Guyana	0	0	0	0	0	0	0	0	18	14	12	168
Paraguay	31	26	22	258	0	0	0	0	732	182	162	1253
Peru	7	6	5	59	0	0	0	0	111	86	65	1349
Suriname	0	0	0	3	0	0	0	0	12	22	18	296
Uruguay	20	15	13	147	0	0	0	0	68	50	38	792
Venezuela	0	0	0	0	2	2	0	0	41	29	0	0
ASIA	38	29	28	283	0	0	0	1	84	57	47	629
Afghanistan	0	0	0	0	0	0	0	0	19	14	10	239
Bangladesh	7	7	6	59	0	0	0	0	19	16	13	222
Bhutan	0	0	0	0	0	0	0	0	32	0	0	0
Brunei Darus.	1	1	1	5	0	0	0	0	4	12	10	162
Burma	1	1	1	5	0	0	0	0	7	6	4	75
China	92	71	71	707	0	0	0	0	144	104	95	1250
Cyprus	0	0	0	0	0	0	0	0	360	32	23	534
Gaza Strip	0	0	0	0	0	0	0	0	15	0	0	0
Hong Kong	0	0	0	2	0	0	0	0	0	8	9	81
India	2	2	2	18	0	0	0	0	26	20	16	243

continued

105

TABLE 22 (CONTINUED)

Per capita root crop production and quantities available for consumption and to supply dietary energy and protein, 1984

Country	Cassava				Edible aroids				Potato			
	Production kg	Wt. kg	Consumption Energy kcal	Protein g	Production kg	Wt. kg	Consumption Energy kcal	Protein g	Production kg	Wt. kg	Consumption Energy kcal	Protein g
Indonesia	87	62	0	0	0	0	0	0	1	2	0	0
Iran	0	0	0	0	0	0	0	0	36	30	21	505
Iraq	0	0	0	0	0	0	0	0	8	8	6	111
Israel	0	0	0	0	0	0	0	0	47	36	26	615
Japan	0	0	0	0	3	2	2	42	31	31	19	264
Jordan	0	0	0	0	0	0	0	0	6	16	11	269
Kampuchea Dm.	13	13	13	89	0	0	0	0	0	0	0	0
Korea D.P.R.	0	0	0	0	0	0	0	0	85	62	44	1059
Korea Rep.	0	0	0	0	0	0	0	2	11	6	4	108
Kuwait	0	0	0	0	0	0	0	0	0	18	0	0
Laos	19	14	14	83	0	0	0	0	11	9	6	156
Lebanon	0	0	0	0	0	0	0	3	45	32	23	541
Macau	0	3	3	19	0	0	0	0	0	1	0	10
Malaysia	24	20	20	129	0	0	0	0	0	3	2	51
Maldives	0	0	0	0	10	9	7	169	0	0	0	0
Mongolia	0	0	0	0	0	0	0	0	68	38	27	641
Nepal	0	0	0	0	0	0	0	0	24	16	11	275
Oman	0	0	0	0	0	0	0	0	1	0	0	0
Pakistan	0	0	0	0	0	0	0	0	5	4	3	71
Philippines	29	34	35	236	2	2	1	32	1	1	0	9
Saudi Arabia	0	0	0	0	0	0	0	0	0	9	7	155
Singapore	0	14	13	59	0	0	0	0	0	7	5	127
Sri Lanka	43	32	33	225	0	0	0	0	4	3	2	45
Syria	0	0	0	0	0	0	0	0	32	25	18	424
Taiwan	4	0	0	0	3	0	0	0	2	0	0	0
Thailand	397	18	17	70	0	0	0	0	0	0	0	2
Turkey	0	0	0	0	0	0	0	0	66	52	37	877
U.A.Emirates	0	0	0	0	0	0	0	0	2	17	12	292
Viet Nam	50	42	43	295	0	0	0	0	5	4	3	72
Yemen A.R.	0	0	0	0	0	0	0	0	29	27	19	462
Yemen Dem.	0	0	0	0	0	0	0	0	8	9	6	146
EUROPE	0	0	0	0	0	0	0	0	229	81	58	1360
Albania	0	0	0	0	0	0	0	0	45	34	23	571
Austria	0	0	0	0	0	0	0	0	151	62	45	1047
Belgium-Lux	0	0	0	0	0	0	0	0	161	89	65	1514
Bulgaria	0	0	0	0	0	0	0	0	47	30	22	514
Czechoslovakia	0	0	0	0	0	0	0	0	257	79	57	1335
Denmark	0	0	0	0	0	0	0	0	219	71	51	1174
Faeroe Is.	0	0	0	0	0	0	0	0	32	0	0	0
Finland	0	0	0	0	0	0	0	0	153	102	73	1724
France	0	0	0	0	0	0	0	0	127	75	53	1267
German D.R.	0	0	0	0	0	0	0	0	714	146	106	2477
Germany F.R.	0	0	0	0	0	0	0	0	132	78	55	1298
Greece	0	0	0	0	0	0	0	0	106	65	46	1098
Hungary	0	0	0	0	0	0	0	0	145	55	39	929
Iceland	0	0	0	0	0	0	0	0	53	64	47	1096
Ireland	0	0	0	0	0	0	0	0	224	126	88	2003
Italy	0	0	0	0	0	0	0	0	43	39	28	646
Liechtenstein	0	0	0	0	0	0	0	0	433	0	0	0
Malta	0	0	0	0	0	0	0	0	37	23	16	384
Netherlands	0	0	0	0	0	0	0	0	463	82	59	1369
Norway	0	0	0	0	0	0	0	0	118	82	58	1396
Poland	0	0	0	0	0	0	0	0	1014	116	85	1980
Portugal	0	0	0	0	0	0	0	0	112	94	69	1606
Romania	0	0	0	0	0	0	0	0	282	71	52	1202
Spain	0	0	0	0	0	0	0	0	157	108	79	1838
Sweden	0	0	0	0	0	0	0	0	157	72	52	1219

continued

106

Country	Sweet potato				Yam				Total			
	Production kg	Consumption			Production kg	Consumption			Production kg	Consumption		
		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g
Indonesia	14	13	0	0	0	0	0	0	103	77	0	0
Iran	0	0	0	0	0	0	0	0	36	30	21	505
Iraq	0	0	0	0	0	0	0	0	8	8	6	111
Israel	0	0	0	1	0	0	0	0	47	36	26	615
Japan	12	5	5	49	1	1	1	16	48	40	27	382
Jordan	0	0	0	0	0	0	0	0	6	16	11	271
Kampuchea Dm.	4	4	4	36	0	0	0	0	18	18	18	143
Korea D.P.R.	23	18	18	175	0	0	0	0	108	80	62	1234
Korea Rep.	22	7	7	67	0	0	0	0	33	13	11	177
Kuwait	0	0	0	0	0	0	0	0	0	18	0	0
Laos	9	19	18	173	0	0	0	0	39	42	39	412
Lebanon	0	0	0	0	0	0	0	0	45	32	23	548
Macau	0	0	0	0	0	0	0	0	13	17	16	243
Malaysia	3	1	1	8	0	0	0	0	33	24	23	191
Maldives	0	0	0	6	0	0	0	0	47	45	40	746
Mongolia	0	0	0	0	0	0	0	0	68	38	27	641
Nepal	0	0	0	0	0	0	0	0	33	20	15	339
Oman	0	0	0	0	0	0	0	0	1	0	0	0
Pakistan	0	0	0	2	0	0	0	0	5	4	3	73
Philippines	15	14	13	135	0	0	0	4	47	51	50	421
Saudi Arabia	0	0	0	3	0	0	0	0	0	10	7	160
Singapore	0	0	0	0	0	0	0	0	0	21	29	229
Sri Lanka	9	6	6	58	0	0	0	0	56	41	40	327
Syria	0	0	0	0	0	0	0	0	32	25	18	424
Taiwan	22	0	0	0	0	0	0	0	31	0	0	0
Thailand	7	6	6	63	0	0	0	0	404	24	23	135
Turkey	0	0	0	0	0	0	0	0	66	52	37	877
U.A.Emirates	0	0	0	0	0	0	0	0	2	17	12	292
Viet Nam	32	23	22	205	0	0	0	0	87	69	67	571
Yemen A.R.	0	0	0	0	0	0	0	0	29	27	19	462
Yemen Dem.	0	0	0	0	0	0	0	0	8	9	6	146
EUROPE	0	0	0	3	0	0	0	0	229	81	58	1363
Albania	0	0	0	0	0	0	0	0	45	34	23	571
Austria	0	0	0	0	0	0	0	0	151	62	45	1047
Belgium-Lux.	0	0	0	0	0	0	0	0	161	89	65	1514
Bulgaria	0	0	0	0	0	0	0	0	47	30	22	514
Czechoslovakia	0	0	0	0	0	0	0	0	257	79	57	1335
Denmark	0	0	0	0	0	0	0	0	219	71	51	1174
Faeroe Is.	0	0	0	0	0	0	0	0	32	0	0	0
Finland	0	0	0	0	0	0	0	0	153	102	73	1724
France	0	0	0	0	0	0	0	0	127	75	53	1267
German D.R.	0	0	0	0	0	0	0	0	714	146	106	2477
Germany F.R.	0	0	0	0	0	0	0	0	132	78	55	1298
Greece	0	0	0	4	0	0	0	0	106	65	46	1102
Hungary	0	0	0	0	0	0	0	0	145	55	39	930
Iceland	0	0	0	0	0	0	0	0	53	64	47	1096
Ireland	0	0	0	0	0	0	0	0	224	126	88	2004
Italy	0	1	1	10	0	0	0	0	43	39	29	656
Liechtenstein	0	0	0	0	0	0	0	0	433	0	0	0
Malta	0	0	0	0	0	0	0	0	37	23	16	384
Netherlands	0	1	1	11	0	0	0	0	463	83	60	1379
Norway	0	0	0	0	0	0	0	0	118	82	58	1396
Poland	0	0	0	0	0	0	0	0	1014	116	85	1980
Portugal	4	1	1	14	0	0	0	5	116	96	70	1625
Romania	0	0	0	0	0	0	0	0	282	71	52	1202
Spain	1	1	1	11	0	0	0	0	158	109	80	1849
Sweden	0	0	0	0	0	0	0	0	157	72	52	1219

continued

107

TABLE 22 (CONTINUED)

Per capita root crop production and quantities available for consumption and to supply dietary energy and protein, 1984

Country	Cassava				Edible aroids				Potato			
	Production kg	Consumption Wt. kg	Energy kcal	Protein g	Production kg	Consumption Wt. kg	Energy kcal	Protein g	Production kg	Consumption Wt. kg	Energy kcal	Protein g
Switzerland	0	0	0	0	0	0	0	0	142	50	35	848
United Kingdom	0	0	0	0	0	0	0	0	130	102	74	1721
Yugoslavia	0	0	0	0	0	0	0	0	107	55	40	942
OCEANIA	10	6	6	44	18	10	8	177	55	46	33	864
American Samoa	1	0	0	0	103	0	0	0	0	0	0	0
Australia	0	0	0	0	0	0	0	0	66	58	42	1104
Cook Islands	201	0	0	0	0	0	0	0	0	0	0	0
Fiji	128	90	91	628	37	29	23	529	2	18	13	301
Fr. Polynesia	31	24	24	169	0	0	0	0	19	21	15	363
Guam	0	0	0	0	0	0	0	0	0	0	0	0
Kiribati	0	0	0	0	40	38	33	571	0	0	0	0
New Caledonia	19	10	10	67	19	9	7	167	10	23	16	387
New Zealand	0	0	0	0	0	0	0	0	91	56	41	1061
Niue	17	0	0	0	433	0	0	0	0	0	0	0
Pacific Is.	67	0	0	0	0	0	0	0	0	0	0	0
Papua N. Guinea	30	25	25	176	53	43	33	766	0	1	1	17
Samoa	2	2	2	19	230	182	142	3286	0	2	1	31
Solomon Is.	4	4	4	31	81	77	60	1381	0	0	0	0
Tokelau	0	0	0	0	0	0	0	0	0	0	0	0
Tonga	153	0	0	0	276	221	190	3308	0	0	0	0
Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0
Vanuatu	0	0	0	0	0	0	0	0	0	1	1	22
Wallis Etc.	200	0	0	0	133	0	0	0	0	0	0	0
U.S.S.R.	0	0	0	0	0	0	0	0	311	110	78	1870
DEVELOPING NATIONS	38	22	19	114	1	1	1	18	25	17	12	295
DEVELOPED NATIONS	0	0	0	0	0	0	0	4	186	75	53	1244

Country	Sweet potato				Yam				Total			
	Produc- tion kg	Consumption			Produc- tion kg	Consumption			Produc- tion kg	Consumption		
		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g		Wt. kg	Energy kcal	Protein g
Switzerland	0	0	0	0	0	0	0	0	142	50	35	848
United Kingdom	0	0	0	0	0	0	0	0	130	102	74	1721
Yugoslavia	0	0	0	0	0	0	0	0	107	55	40	942
OCEANIA	23	19	19	193	10	8	7	141	128	91	83	1479
American Samoa	0	0	0	0	5	0	0	0	109	0	0	0
Australia	0	0	0	3	0	0	0	0	66	58	42	1107
Cook Islands	73	0	0	0	0	0	0	0	604	0	0	0
Fiji	12	9	0	94	15	12	11	201	194	158	146	1754
Fr. Polynesia	4	4	4	38	0	0	0	0	79	67	59	850
Guam	0	0	0	0	0	0	0	0	13	0	0	0
Kiribati	0	0	0	0	0	0	0	0	203	194	174	3063
New Caledonia	24	12	12	120	77	38	36	653	149	92	80	1393
New Zealand	2	2	2	22	0	0	0	0	93	61	45	1127
Niue	100	0	0	0	67	0	0	0	617	0	0	0
Pacific Is.	2	0	0	0	0	0	0	0	89	0	0	0
Papua N. Guinea	136	115	113	1153	50	40	37	676	339	224	259	2983
Samoa	0	0	0	0	7	6	6	106	260	214	171	3776
Solomon Is.	188	179	175	1788	71	68	63	1150	344	327	302	4350
Tokelau	0	0	0	0	0	0	0	0	134	0	0	0
Tonga	161	65	64	654	323	243	219	5103	914	529	472	9065
Tuvalu	0	0	0	0	0	0	0	0	25	0	0	0
Vanuatu	0	0	0	0	0	0	0	0	219	177	160	2825
Wallis Etc.	0	0	0	0	42	0	0	0	458	0	0	0
U.S.S.R.	0	0	0	0	0	0	0	0	311	110	78	1870
DEVELOPING NATIONS	32	25	24	243	7	4	4	70	104	70	60	745
DEVELOPED NATIONS	2	1	1	12	0	0	0	0	188	76	55	1262

NOTES: Per capita production is derived from FAO, Basic Data Unit, Production Account (unpublished, May 1986 update). Consumption, derived from FAO, Basic Data Unit, Supply and Utilization Account (unpublished, May 1986 update), represents the fresh-weight equivalent of both fresh and processed cassava and potatoes. Includes countries that reported 0.5 kilograms or more total per capita root crop production or consumption in 1984. Consumption estimates include processed products converted to fresh-weight equivalents. Total production and consumption estimates include unspecified roots and tubers. Regional totals include figures for countries not listed. All calculations were done with unrounded numbers.

TABLE 23
Proportion of calories provided by root crops in daily diets, 1984

Country	Total dietary calories per capita	Proportion (%) of dietary calories from						All root crops
		Cassava	Edible aroids	Potato	Sweet potato	Yam	Unspecified	
WORLD	2682	1.4	0.1	2.3	1.8	0.3	0.0	6.0
AFRICA	2259	9.6	0.5	0.7	1.1	3.3	0.2	15.3
Algeria	2677	0.0	0.0	2.0	0.0	0.0	0.0	2.0
Angola	1969	29.2	0.0	0.4	2.5	0.0	0.0	32.1
Benin	2173	21.3	0.3	0.0	0.9	12.8	0.0	35.4
Botswana	2219	0.0	0.0	0.3	0.0	0.0	0.7	1.0
Burkina Faso	1924	0.7	0.0	0.0	0.6	0.5	0.1	1.9
Burundi	2116	8.5	2.5	0.5	12.6	0.2	0.0	24.2
Cameroon	2089	6.3	0.0	0.0	1.5	30.7	5.5	44.0
Cape Verde	2638	0.5	0.0	0.9	0.6	0.0	0.8	2.8
Chad	1504	10.3	0.2	0.3	1.1	5.4	0.0	17.2
Congo	2549	38.9	0.0	0.1	0.7	0.7	1.1	41.5
Cote d'Ivoire	2505	7.0	1.4	0.2	0.1	16.8	0.0	25.6
Egypt	3263	0.0	0.1	1.1	0.1	0.0	0.0	1.4
Gabon	2440	23.3	4.6	0.1	0.1	8.5	0.0	36.7
Gambia	2217	1.2	0.0	0.0	0.0	0.0	0.0	1.3
Ghana	1747	26.2	7.1	0.0	0.0	10.0	0.0	43.3
Guinea	1728	13.1	0.6	0.0	1.5	1.4	0.0	16.7
Guinea-Bissau	1944	0.0	0.0	0.0	0.0	0.0	6.1	6.1
Kenya	2151	4.2	0.0	2.3	1.5	0.0	0.0	8.0
Lesotho	2358	0.0	0.0	0.0	0.0	0.0	0.6	0.6
Liberia	2311	19.7	0.7	0.0	0.8	0.9	0.0	22.1
Libya	3612	0.0	0.0	1.7	0.0	0.0	0.0	1.7
Madagascar	2469	14.9	0.5	1.4	2.9	0.0	0.0	19.7
Malawi	2448	4.4	0.0	2.0	0.0	0.0	0.0	6.4
Mali	1788	1.6	0.0	0.0	1.0	0.2	0.0	2.8
Mauritius	2740	0.0	0.0	1.3	0.0	0.0	0.0	1.4
Morocco	2678	0.0	0.0	1.3	0.0	0.0	0.0	1.3
Mozambique	1678	40.0	0.0	0.4	0.5	0.0	0.1	41.0
Namibia	1882	0.0	0.0	0.0	0.0	0.0	15.5	15.5
Niger	2250	3.3	0.0	0.0	0.5	0.0	0.0	3.8
Nigeria	2038	11.3	1.6	0.0	0.3	15.9	0.0	29.2
Reunion	2931	0.7	0.0	0.6	0.2	0.0	0.1	1.6
Rwanda	1919	8.1	0.6	3.6	17.6	0.1	0.0	30.0
Sao Tome Prn.	2455	3.5	0.0	0.0	0.0	0.0	9.2	12.8
Senegal	2342	0.2	0.0	0.3	0.1	0.0	0.0	0.6
Seychelles	2259	0.3	0.0	0.8	0.0	0.0	0.0	1.1
Sierra Leone	1817	4.7	0.7	0.0	0.5	0.0	0.0	5.9
Somalia	2072	0.9	0.0	0.0	0.1	0.0	0.0	1.0
South Africa	2979	0.0	0.0	1.4	0.1	0.0	0.0	1.5
Sudan	1737	0.9	0.0	0.1	0.3	0.7	0.0	2.0
Swaziland	2575	0.0	0.0	0.5	0.7	0.0	0.0	1.2
Tanzania	2335	23.2	0.0	0.6	2.4	0.0	0.0	26.3
Togo	2236	17.0	0.7	0.0	0.2	11.1	0.0	29.1
Tunisia	2836	0.0	0.0	1.4	0.0	0.0	0.0	1.4
Uganda	2083	25.8	0.0	1.0	12.8	0.0	0.0	39.6
Zaire	2154	54.5	0.1	0.1	1.2	0.8	0.1	56.8
Zambia	2137	4.4	0.0	0.0	0.4	0.0	0.0	4.8
Zimbabwe	2054	1.3	0.0	0.2	0.0	0.0	0.0	1.5
N. & C. AMERICA	3391	0.1	0.0	2.1	0.2	0.0	0.0	2.6
Bahamas	2712	0.6	0.0	1.8	0.3	0.0	0.0	2.8
Barbados	3112	0.3	0.2	1.5	0.5	0.9	0.0	3.5
Belize	2584	0.0	0.0	0.9	0.0	0.0	1.2	2.1
Bermuda	2571	0.2	0.0	1.4	0.1	0.0	0.0	1.7
Canada	3432	0.0	0.0	3.9	0.0	0.0	0.0	3.9
Costa Rica	2803	0.3	0.0	0.6	0.0	0.0	0.1	1.0
Cuba	3122	1.8	0.5	1.3	2.3	0.0	0.0	6.0
Dominica	2629	0.5	8.9	0.3	0.9	3.5	0.0	14.2

continued

TABLE 23 (CONTINUED)

Proportion of calories provided by root crops in daily diets, 1984

Country	Total dietary calories per capita	Proportion (%) of dietary calories from						All root crops
		Cassava	Edible aroid	Potato	Sweet potato	Yam	Unspecified	
Dominican Rp.	2461	1.6	0.4	0.2	0.7	0.2	0.0	3.1
El Salvador	2148	0.5	0.0	0.3	0.0	0.0	0.0	0.9
Grenada	2362	0.2	0.0	0.3	0.2	0.4	2.3	3.3
Guadeloupe	2685	0.2	0.0	1.0	0.6	0.7	0.8	3.3
Haiti	1855	3.4	0.0	0.1	6.2	2.0	0.8	12.5
Honduras	2211	0.2	0.0	0.2	0.0	0.0	0.1	0.5
Jamaica	2585	0.7	0.0	0.3	1.3	5.5	1.0	8.9
Martinique	2819	0.1	0.0	1.0	1.7	0.9	3.0	6.6
Neth. Antilles	2860	0.0	0.0	2.1	0.0	0.0	0.2	2.3
Nicaragua	2425	0.8	0.0	0.1	0.0	0.0	0.0	0.9
Panama	2419	1.2	0.2	0.5	0.0	0.5	0.1	2.4
Saint Lucia	2460	0.7	0.3	0.3	1.0	2.6	2.9	7.8
St. Chris. Nevis	2241	0.0	0.0	1.1	0.3	1.6	3.0	6.0
St. Vincent	2685	1.4	0.0	0.3	0.3	2.1	5.0	9.1
United States	3663	0.0	0.0	2.9	0.1	0.0	0.0	3.0
SOUTH AMERICA	2627	3.7	0.0	2.3	0.3	0.1	0.0	6.4
Argentina	3221	0.2	0.0	3.7	0.7	0.0	0.0	4.6
Bolivia	2146	3.9	0.0	4.7	0.1	0.0	0.4	9.1
Brazil	2633	5.7	0.0	1.0	0.3	0.1	0.0	7.0
Chile	2602	0.0	0.0	4.0	0.1	0.0	0.0	4.1
Colombia	2574	3.5	0.0	5.0	0.0	0.4	0.0	9.0
Ecuador	2054	2.1	0.0	3.0	0.1	0.0	0.2	5.4
French Guiana	2781	3.7	2.3	0.6	0.0	0.0	0.0	6.6
Guyana	2502	0.0	0.0	0.0	0.0	0.0	1.3	1.3
Paraguay	2796	13.6	0.0	0.1	2.2	0.0	0.0	15.9
Peru	2171	1.7	0.1	5.4	0.6	0.0	0.4	8.2
Suriname	2681	0.9	0.0	0.8	0.0	0.0	0.1	1.8
Uruguay	2695	0.0	0.0	2.6	1.3	0.0	0.0	3.9
ASIA	2459	0.5	0.1	1.5	3.2	0.0	0.0	5.2
Afghanistan	2221	0.0	0.0	1.2	0.0	0.0	0.0	1.2
Bangladesh	1899	0.0	0.0	1.0	0.9	0.0	0.0	1.9
Brunei Darus.	2811	0.3	0.0	0.6	0.1	0.0	0.1	1.0
China	2587	0.2	0.1	2.2	7.5	0.0	0.0	10.1
Cyprus	3460	0.0	0.1	1.7	0.0	0.0	0.0	1.8
Hong Kong	2698	0.3	0.0	0.3	0.0	0.0	0.2	0.9
India	2189	0.8	0.0	1.0	0.2	0.0	0.0	2.0
Iran	3122	0.0	0.0	1.9	0.0	0.0	0.0	1.9
Iraq	2926	0.0	0.0	0.5	0.0	0.0	0.0	0.5
Israel	3060	0.0	0.0	2.4	0.0	0.0	0.0	2.4
Japan	2856	0.0	0.2	1.8	0.5	0.1	0.1	2.6
Jordan	2947	0.0	0.0	1.1	0.0	0.0	0.0	1.1
Kampuchea Dm.	2110	1.7	0.0	0.0	0.5	0.0	0.1	2.3
Korea D.P.R.	3151	0.0	0.0	3.8	1.5	0.0	0.0	5.4
Korea Rep.	2841	0.0	0.0	0.4	0.6	0.0	0.0	1.1
Laos	2228	1.7	0.0	0.8	2.2	0.0	0.0	4.7
Lebanon	2993	0.0	0.0	2.1	0.0	0.0	0.0	2.1
Macau	2161	0.4	0.0	0.1	0.0	0.0	1.5	2.0
Malaysia	2684	2.0	0.0	0.2	0.1	0.0	0.1	2.4
Maldives	2041	0.0	1.0	0.0	0.0	0.0	4.4	5.4
Mongolia	2807	0.0	0.0	2.6	0.0	0.0	0.0	2.6
Nepal	2034	0.0	0.0	1.5	0.0	0.0	0.5	2.0
Philippines	2341	4.1	0.2	0.0	1.6	0.0	0.0	5.9
Saudi Arabia	3128	0.0	0.0	0.6	0.0	0.0	0.0	0.6
Singapore	2771	1.3	0.0	0.5	0.0	0.0	1.1	2.9
Sri Lanka	2385	3.7	0.0	0.2	0.7	0.0	0.0	4.6
Syria	3168	0.0	0.0	1.5	0.0	0.0	0.0	1.5

continued

TABLE 23 (CONTINUED)

Proportion of calories provided by root crops in daily diets, 1984

Country	Total dietary calories per capita	Proportion (%) of dietary calories from						All root crops
		Cassava	Edible aroid	Potato	Sweet potato	Yam	Unspecified	
Thailand	2462	1.8	0.0	0.0	0.7	0.0	0.0	2.6
Turkey	3167	0.0	0.0	3.2	0.0	0.0	0.0	3.2
U.A.Emirates	3625	0.0	0.0	0.9	0.0	0.0	0.0	0.9
Viet Nam	2240	5.2	0.0	0.4	2.6	0.0	0.0	8.2
Yemen A.R.	2250	0.0	0.0	2.3	0.0	0.0	0.0	2.3
Yemen Dem.	2337	0.0	0.0	0.7	0.0	0.0	0.0	0.7
EUROPE	3406	0.0	0.0	4.7	0.0	0.0	0.0	4.7
Albania	2726	0.0	0.0	2.3	0.0	0.0	0.0	2.3
Austria	3514	0.0	0.0	3.5	0.0	0.0	0.0	3.5
Belgium-Lux.	3692	0.0	0.0	4.8	0.0	0.0	0.0	4.8
Bulgaria	3663	0.0	0.0	1.7	0.0	0.0	0.0	1.7
Czechoslovakia	3465	0.0	0.0	4.5	0.0	0.0	0.0	4.5
Denmark	3547	0.0	0.0	4.0	0.0	0.0	0.0	4.0
Finland	3026	0.0	0.0	6.6	0.0	0.0	0.0	6.6
France	3359	0.0	0.0	4.3	0.0	0.0	0.0	4.3
German D.R.	3791	0.0	0.0	7.7	0.0	0.0	0.0	7.7
Germany F.R.	3474	0.0	0.0	4.3	0.0	0.0	0.0	4.3
Greece	3721	0.0	0.0	3.4	0.0	0.0	0.0	3.4
Hungary	3482	0.0	0.0	3.1	0.0	0.0	0.0	3.1
Iceland	3097	0.0	0.0	4.2	0.0	0.0	0.0	4.2
Ireland	3831	0.0	0.0	6.3	0.0	0.0	0.0	6.3
Italy	3538	0.0	0.0	2.2	0.1	0.0	0.0	2.2
Malta	2552	0.0	0.0	1.7	0.0	0.0	0.0	1.7
Netherlands	3343	0.0	0.0	4.9	0.1	0.0	0.0	5.0
Norway	3239	0.0	0.0	4.9	0.0	0.0	0.0	4.9
Poland	3280	0.0	0.0	7.1	0.0	0.0	0.0	7.1
Portugal	3161	0.0	0.0	6.0	0.1	0.0	0.0	6.1
Romania	3385	0.0	0.0	4.2	0.0	0.0	0.0	4.2
Spain	3358	0.0	0.0	6.4	0.1	0.0	0.0	6.5
Sweden	3097	0.0	0.0	4.6	0.0	0.0	0.0	4.6
Switzerland	3432	0.0	0.0	2.8	0.0	0.0	0.0	2.8
United Kingdom	3131	0.0	0.0	6.5	0.0	0.0	0.0	6.5
Yugoslavia	3602	0.0	0.0	3.1	0.0	0.0	0.0	3.1
OCEANIA	3166	0.6	0.7	2.9	1.6	0.6	0.8	7.2
Australia	3389	0.0	0.0	3.4	0.0	0.0	0.0	3.4
Fiji	2936	8.5	2.1	1.2	0.9	1.0	0.0	13.7
Fr.Polynesia	2899	2.3	0.0	1.4	0.3	0.0	1.5	5.6
Kiribati	2673	0.0	3.4	0.0	0.0	0.0	14.5	17.9
New Caledonia	2934	0.9	0.7	1.5	1.1	3.3	0.0	7.5
New Zealand	3386	0.0	0.0	3.3	0.2	0.0	0.2	3.7
Papua N.Guinea	2181	3.2	4.2	0.1	14.2	4.6	6.3	32.6
Samoa	2433	0.3	16.0	0.1	0.0	0.6	2.2	19.2
Solomon Is.	2122	0.5	7.7	0.0	22.7	8.1	0.0	39.0
Tonga	2879	0.0	18.1	0.0	6.1	20.8	0.0	45.0
Vanuatu	2344	0.0	0.0	0.1	0.0	0.0	18.6	18.8
U.S.S.R.	3440	0.0	0.0	6.2	0.0	0.0	0.0	6.2
DEVELOPING NATIONS	2438	2.1	0.1	1.3	2.7	0.5	0.0	6.7
DEVELOPED NATIONS	3397	0.0	0.0	4.3	0.1	0.0	0.1	4.4

NOTES: Per capita production is derived from FAO, Basic Data Unit, Production Account (unpublished, May 1986 update). Includes countries in which the proportion of dietary calories from all root crops is 0.5 percent or greater. Regional totals include figures for countries not listed. All calculations were done with unrounded numbers.

TABLE 24
Cassava balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
WORLD	40	17	0	36	7
AFRICA	52	2	0	36	10
Angola	75	3	0	14	9
Benin	87	0	0	0	13
Burkina Faso	95	0	0	0	5
Burundi	37	0	0	55	8
Cameroon	65	10	0	0	25
Cape Verde	90	0	0	0	10
Cent.Afr.Rep.	53	3	0	37	7
Chad	90	5	0	0	5
Comoros	88	5	0	0	7
Congo	61	0	0	37	2
Cote d'Ivoire	45	5	0	40	10
Gabon	70	0	0	27	4
Gambia	95	0	0	0	5
Ghana	49	2	0	47	2
Guinea	90	5	0	0	5
Kenya	97	0	0	0	3
Liberia	100	0	0	0	0
Madagascar	47	8	0	29	16
Malawi	48	0	0	52	0
Mali	95	0	0	5	0
Mozambique	94	2	0	2	2
Niger	85	0	0	0	15
Nigeria	40	1	0	48	11
Reunion	75	10	0	0	15
Rwanda	53	0	0	44	3
Sao Tome Prn.	90	0	0	0	10
Senegal	44	21	0	23	12
Sierra Leone	100	0	0	0	0
Somalia	80	0	0	0	20
Sudan	90	0	0	0	10
Tanzania	46	0	0	45	9
Togo	60	0	0	39	1
Uganda	60	7	0	17	17
Zaire	51	1	0	37	12
Zambia	95	0	0	0	5
Zimbabwe	95	0	0	0	5
N. & C. AMERICA	50	19	0	21	10
Bahamas	95	0	0	0	5
Barbados	91	4	0	0	4
Canada	0	67	0	33	0
Cominican Rp.	70	0	0	20	10
Costa Rica	37	0	0	63	0
Cuba	63	20	0	5	12
Dominica	52	20	8	0	20
Dominican Rp.	100	0	0	0	0
El Salvador	90	0	0	0	10
Guadeloupe	40	50	0	0	10
Guatemala	60	0	0	34	6
Haiti	38	7	0	43	12
Honduras	94	0	0	0	6
Jamaica	75	0	0	15	10
Mexico	86	1	0	4	10
Nicaragua	90	0	0	0	10
Panama	63	16	0	17	5
Saint Lucia	95	0	0	0	5
St.Vincent	28	23	0	45	3

continued

TABLE 24 (CONTINUED)
Cassava balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
Trinidad Tob.	88	3	0	0	9
United States	0	100	0	0	0
SOUTH AMERICA	32	29	0	28	11
Argentina	43	34	0	15	7
Bolivia	74	11	0	0	15
Brazil	30	27	0	31	12
Colombia	53	18	0	24	5
Ecuador	67	18	0	0	15
French Guiana	35	49	0	1	15
Paraguay	21	63	0	7	9
Peru	79	10	0	1	10
Suriname	95	0	0	0	5
Venezuela	42	25	0	29	5
ASIA	40	3	0	53	4
Brunei Darus.	93	5	0	0	2
Burma	90	0	0	0	10
China	45	19	0	33	3
Hong Kong	31	10	0	55	4
India	45	0	0	51	4
Indonesia	65	2	0	24	9
Japan	0	10	0	90	0
Kampuchea Dm.	95	0	0	0	5
Korea Rep.	0	0	0	100	0
Laos	65	9	0	17	9
Macau	100	0	0	0	0
Malaysia	68	5	0	25	2
Philippines	88	6	0	6	0
Singapore	88	0	0	8	3
Sri Lanka	70	0	0	0	30
Thailand	5	0	0	95	0
Viet Nam	85	10	0	0	5
EUROPE	0	99	0	1	0
Belgium-Lux.	0	100	0	0	0
Denmark	0	100	0	0	0
France	0	97	0	3	0
Germany F.R.	0	100	0	0	0
Ireland	0	99	0	1	0
Italy	0	99	0	1	0
Netherlands	0	100	0	0	0
Portugal	0	73	0	27	0
Switzerland	0	0	0	100	0
United Kingdom	0	96	0	4	0
OCEANIA	69	12	0	5	14
Fiji	70	15	0	0	15
Fr. Polynesia	70	10	0	10	10
New Caledonia	50	30	0	0	20
Papua N. Guinea	85	0	0	0	15
Solomon Is.	87	10	0	0	3
Tonga	0	47	0	42	11
DEVELOPING NATIONS	44	7	0	40	8
DEVELOPED NATIONS	0	97	0	3	0

NOTES: See Table 29.

TABLE 25
Edible aroid balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
WORLD	82	2	2	0	13
AFRICA	79	1	2	0	18
Benin	86	0	5	0	9
Burundi	100	0	0	0	0
Cent.Afr.Rep.	85	0	0	0	15
Chad	80	0	5	0	15
Cote d'Ivoire	70	0	20	0	10
Egypt	84	0	6	0	10
Gabon	90	0	5	0	5
Ghana	95	0	0	0	5
Guinea	80	0	10	0	10
Liberia	90	0	0	0	10
Madagascar	55	30	0	0	15
Nigeria	72	0	0	0	28
Rwanda	90	0	0	0	10
Sierra Leone	90	0	0	0	10
Togo	85	0	0	0	15
Zaire	95	0	0	0	5
N. & C. AMERICA	81	3	2	0	14
Barbados	95	0	0	0	5
Cuba	90	0	0	0	10
Dominica	36	21	11	0	32
Dominican Rp.	81	0	0	0	19
Panama	87	0	8	0	6
Trinidad Tob.	90	0	0	0	10
SOUTH AMERICA	85	3	9	0	3
French Guiana	41	44	0	0	15
Peru	77	0	13	0	10
Venezuela	92	0	8	0	0
ASIA	87	5	3	0	5
China	90	5	0	0	5
Cyprus	58	12	12	0	18
Japan	80	5	10	0	5
Korea Rep.	90	0	0	0	10
Lebanon	90	0	0	0	10
Maldives	97	0	0	0	3
Philippines	80	5	10	0	5
OCEANIA	83	3	0	0	14
Fiji	80	10	0	0	10
Kiribati	97	3	0	0	0
New Caledonia	50	30	0	0	20
Papua N.Guinea	80	0	0	0	20
Samoa	94	6	0	0	0
Solomon Is.	95	0	0	0	5
Tonga	83	12	0	0	5
DEVELOPING NATIONS	82	2	1	0	14
DEVELOPED NATIONS	80	5	10	0	5

NOTES: See Table 29.

TABLE 26
Potato balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
WORLD	47	23	12	10	8
AFRICA	73	3	13	1	10
Algeria	77	0	13	0	10
Angola	77	0	13	0	10
Botswana	95	0	0	0	5
Burundi	69	0	27	0	4
Cameroon	0	18	67	0	18
Cape Verde	90	0	5	0	5
Chad	75	0	10	0	15
Congo	78	0	12	0	10
Cote d'Ivoire	93	0	5	0	2
Egypt	78	0	11	0	11
Ethiopia	78	0	17	0	5
Gabon	95	0	0	0	5
Kenya	80	0	10	0	10
Liberia	95	0	0	0	5
Libya	83	0	12	0	5
Madagascar	67	6	15	0	12
Malawi	62	4	24	0	10
Mauritania	87	0	3	0	10
Mauritius	85	0	5	0	10
Morocco	71	4	14	0	11
Mozambique	85	0	10	0	5
Nigeria	77	0	8	0	15
Reunion	83	0	5	2	10
Rwanda	75	0	15	0	10
Senegal	87	0	3	0	10
Seychelles	83	0	0	12	5
Sierra Leone	100	0	0	0	0
Somalia	90	0	0	0	10
South Africa	68	10	9	9	5
Sudan	81	0	9	0	10
Swaziland	65	0	30	0	5
Tanzania	78	0	12	0	10
Togo	100	0	0	0	0
Tunisia	82	0	7	2	10
Uganda	69	0	11	0	20
Zaire	70	0	20	0	10
Zambia	85	0	10	0	5
Zimbabwe	88	0	7	0	5
N. & C. AMERICA	77	6	7	3	7
Bahamas	81	0	0	17	2
Barbados	95	0	0	0	5
Belize	99	0	0	0	1
Bermuda	77	0	0	20	3
Canada	63	28	8	0	0
Costa Rica	82	4	4	0	10
Cuba	82	2	5	0	10
Dominica	48	30	12	0	10
Dominican Rp.	78	0	10	0	11
El Salvador	93	0	2	0	5
Guadeloupe	81	9	0	3	7
Guatemala	81	0	12	0	7
Haiti	83	0	7	0	10
Honduras	88	0	2	0	11
Jamaica	73	0	12	0	15
Martinique	82	5	0	9	5
Mexico	85	0	5	0	10

continued

116

TABLE 26 (CONTINUED)
Potato balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
Neth. Antilles	85	0	0	5	9
Nicaragua	83	0	5	0	12
Panama	76	0	13	0	11
Saint Lucia	95	0	0	0	5
St. Chris. Nevis	95	0	0	0	5
Trinidad Tob.	95	0	0	0	5
United States	79	3	7	3	8
SOUTH AMERICA	77	5	10	0	8
Argentina	91	0	5	0	4
Bolivia	51	5	36	0	8
Brazil	83	0	9	0	8
Chile	60	26	9	0	5
Colombia	74	8	6	0	12
Ecuador	72	5	9	0	14
French Guiana	64	31	0	0	4
Paraguay	80	0	10	0	10
Peru	77	0	13	0	10
Suriname	95	0	0	0	5
Uruguay	67	10	13	0	10
Venezuela	84	0	7	0	9
ASIA	66	7	8	12	7
Afghanistan	72	10	8	0	10
Bangladesh	80	0	10	0	10
Brunei Darus.	96	0	0	0	4
Burma	83	0	7	0	10
China	63	10	7	14	5
Cyprus	31	20	29	0	20
Hong Kong	26	53	0	18	3
India	71	0	12	0	17
Indonesia	91	0	5	0	3
Iran	83	0	7	0	10
Iraq	78	8	6	0	8
Israel	85	6	4	5	0
Japan	57	1	4	36	3
Jordan	86	0	1	3	10
Korea D.P.R.	73	5	7	5	10
Korea Rep.	58	24	7	1	10
Kuwait	100	0	0	0	0
Laos	80	0	10	0	10
Lebanon	76	0	7	9	7
Malaysia	87	0	0	8	4
Mongolia	60	15	9	5	11
Nepal	68	0	17	0	15
Pakistan	80	0	10	0	10
Philippines	83	0	12	0	5
Saudi Arabia	98	0	0	0	2
Singapore	74	0	0	10	16
Sri Lanka	62	0	25	0	13
Syria	78	3	9	0	10
Thailand	81	0	9	0	10
Turkey	80	2	9	0	10
U.A. Emirates	77	0	0	12	12
Viet Nam	85	0	10	0	5
Yemen A.R.	93	0	4	0	3
Yemen Dem.	92	0	3	0	5

continued

TABLE 26 (CONTINUED)
Potato balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
EUROPE	34	34	10	14	8
Albania	75	5	9	0	10
Austria	36	22	7	26	9
Belgium-Lux.	67	19	4	2	7
Bulgaria	57	21	13	0	10
Czechoslovakia	32	26	10	13	19
Denmark	26	7	6	54	7
Finland	54	16	10	20	0
France	61	4	6	19	10
German D.R.	20	60	7	4	0
Germany F.R.	53	19	6	13	8
Greece	64	11	9	5	11
Hungary	44	25	19	3	10
Iceland	100	0	0	0	0
Ireland	48	17	11	7	17
Italy	81	4	7	4	4
Malta	61	0	18	7	14
Netherlands	17	4	5	78	1
Norway	60	13	11	16	0
Poland	11	54	14	10	11
Portugal	82	3	15	0	1
Romania	24	40	7	16	13
Spain	70	12	8	0	10
Sweden	41	5	6	42	6
Switzerland	35	50	6	1	7
United Kingdom	71	14	8	5	2
Yugoslavia	50	22	21	1	6
OCEANIA	83	3	5	4	5
Australia	88	2	4	0	5
Fiji	87	1	2	0	10
Fr. Polynesia	59	4	7	26	4
New Caledonia	76	5	9	0	10
New Zealand	65	4	10	16	5
Papua N. Guinea	94	0	1	0	5
U.S.S.R.	35	32	19	7	8
DEVELOPING NATIONS	69	6	9	8	8
DEVELOPED NATIONS	39	30	13	11	8

NOTES: See Table 29.

TABLE 27
Sweet potato balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
WORLD	77	13	0	3	6
AFRICA	83	3	1	0	13
Angola	90	0	0	0	10
Benin	90	0	0	0	10
Burkina Faso	85	0	0	0	15
Burundi	90	0	0	0	10
Cameroon	88	2	0	0	10
Cape Verde	90	0	0	0	10
Chad	80	5	0	0	15
Comoros	90	5	0	0	5
Congo	90	0	0	0	10
Cote d'Ivoire	85	0	0	0	15
Egypt	89	0	0	0	11
Gabon	95	0	0	0	5
Guinea	85	0	0	0	15
Kenya	86	0	4	0	10
Liberia	90	0	0	0	10
Madagascar	58	30	0	0	12
Mali	95	0	0	0	5
Mauritania	90	0	0	0	10
Mozambique	90	0	0	0	10
Niger	90	0	0	0	10
Nigeria	80	0	0	0	20
Reunion	80	5	0	0	15
Rwanda	90	0	0	0	10
Senegal	85	0	0	0	15
Sierra Leone	90	0	0	0	10
Somalia	80	0	0	0	20
South Africa	88	10	0	0	2
Sudan	90	0	0	0	10
Swaziland	90	0	0	0	10
Tanzania	92	0	0	0	8
Togo	80	0	0	0	20
Uganda	80	0	0	0	20
Zaire	83	2	10	0	5
Zambia	90	0	0	0	10
Zimbabwe	90	0	0	0	10
N. & C. AMERICA	83	4	3	0	9
Bahamas	95	0	0	0	5
Barbados	90	5	0	0	5
Canada	96	0	0	0	4
Cuba	90	10	0	0	10
Dominica	52	20	8	0	20
Dominican Rp.	88	0	0	0	12
Guadeloupe	25	60	0	0	15
Haiti	80	0	0	0	20
Honduras	88	0	0	0	12
Jamaica	85	0	0	0	15
Martinique	90	0	0	0	10
Mexico	93	0	0	0	7
Saint Lucia	90	0	0	0	10
St. Vincent	50	50	0	0	0
Trinidad Tob.	90	0	0	0	10
United States	87	4	9	0	0

continued

119

TABLE 27 (CONTINUED)
Sweet potato balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
SOUTH AMERICA	67	21	0	0	12
Argentina	92	0	0	0	8
Bolivia	62	0	28	0	10
Brazil	50	35	0	0	15
Chile	95	0	0	0	5
Ecuador	70	20	0	0	10
Paraguay	84	6	0	0	10
Peru	80	10	0	0	10
Uruguay	73	10	7	0	10
Venezuela	90	0	0	0	10
ASIA	77	14	0	4	5
Bangladesh	90	0	0	0	10
Burma	90	0	0	0	10
China	77	15	0	3	5
Hong Kong	84	11	0	3	2
India	95	0	0	0	5
Indonesia	88	2	0	0	10
Japan	42	13	4	39	3
Kampuchea Dm.	95	0	0	0	5
Korea D.P.R.	77	5	2	6	10
Korea Rep.	31	17	4	39	10
Laos	80	10	0	0	10
Malaysia	25	60	5	0	10
Pakistan	95	0	0	0	5
Philippines	90	5	0	0	5
Saudi Arabia	100	0	0	0	0
Sri Lanka	71	0	0	0	29
Thailand	90	0	0	0	10
Viet Nam	70	10	15	0	5
EUROPE	53	37	0	5	5
Belgium-Lux.	0	100	0	0	0
Germany F.R.	0	100	0	0	0
Greece	90	5	0	0	5
Italy	89	0	0	10	1
Netherlands	100	0	0	0	0
Portugal	20	60	0	10	10
Spain	85	5	0	0	10
OCEANIA	84	2	0	0	14
Australia	90	5	0	0	5
Fiji	80	10	0	0	10
Fr.Polynesia	85	5	0	0	10
New Caledonia	50	30	0	0	20
New Zealand	90	5	0	0	5
Papua N.Guinea	85	0	0	0	15
Solomon Is.	95	0	0	0	5
Tonga	41	44	0	0	15
DEVELOPING NATIONS	77	13	0	3	6
DEVELOPED NATIONS	55	13	4	25	3

NOTES: See Table 29.

170

TABLE 28
Yam balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
WORLD	62	1	15	0	22
AFRICA	61	0	16	0	22
Benin	55	0	35	0	10
Burkina Faso	78	0	13	0	10
Burundi	100	0	0	0	0
Cameroon	60	0	20	0	20
Cent.Afr.Rep.	75	0	10	0	15
Chad	80	5	0	0	15
Congo	90	0	0	0	10
Cote d'Ivoire	56	4	20	0	20
Ethiopia	80	0	10	0	10
Gabon	95	0	0	0	5
Ghana	95	0	0	0	5
Guinea	90	0	0	0	10
Liberia	90	0	0	0	10
Mali	95	0	0	0	5
Mauritania	90	0	0	0	10
Nigeria	59	0	16	0	25
Rwanda	90	0	0	0	10
Sudan	90	0	0	0	10
Tanzania	95	0	0	0	5
Togo	76	0	9	0	15
Zaire	83	2	10	0	5
N. & C. AMERICA	82	5	0	0	13
Barbados	95	0	0	0	5
Dominica	62	20	8	0	10
Dominican Rp.	90	0	0	0	10
Guadeloupe	25	60	0	0	15
Haiti	80	0	0	0	20
Jamaica	92	0	0	0	8
Martinique	25	60	0	0	15
Panama	86	0	9	0	5
St.Chris.Nevis	90	0	0	0	10
Saint Lucia	90	0	0	0	10
St.Vincent	73	15	0	0	12
Trinidad Tob.	90	0	0	0	10
SOUTH AMERICA	69	19	1	0	11
Brazil	51	36	0	0	12
Colombia	90	0	0	0	10
Venezuela	82	0	8	0	10
ASIA	80	5	10	0	5
Japan	84	5	6	0	5
Philippines	53	5	37	0	5
EUROPE	95	0	0	0	5
Portugal	95	0	0	0	5
OCEANIA	79	4	0	0	17
Fiji	80	10	0	0	10
New Caledonia	50	30	0	0	20
Papua N.Guinea	80	0	0	0	20
Samoa	90	10	0	0	0
Solomon Is.	95	0	0	0	5
Tonga	76	14	0	0	10
DEVELOPING NATIONS	62	1	16	0	22

NOTES: See Table 29.

TABLE 29
Unspecified roots and tubers balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
WORLD	67	5	1	16	10
AFRICA	77	6	0	0	17
Botswana	88	0	0	0	12
Burkina Faso	100	0	0	0	0
Cameroon	56	15	0	0	29
Cape Verde	90	0	0	0	10
Congo	88	0	0	0	12
Ethiopia	95	0	0	0	5
Guinea-Bissau	90	0	0	0	10
Lesotho	90	0	0	0	10
Mauritius	0	100	0	0	0
Mozambique	95	0	0	0	5
Namibia	80	0	0	0	20
Reunion	90	0	0	0	10
Sao Tome Prn.	90	0	0	0	10
Zaire	75	0	15	0	10
N. & C. AMERICA	87	4	0	0	9
Belize	70	10	0	0	20
Costa Rica	100	0	0	0	0
Grenada	90	0	0	0	10
Guadeloupe	60	30	0	0	10
Haiti	80	0	0	0	20
Honduras	85	0	0	0	15
Jamaica	95	0	0	0	5
Martinique	60	30	0	0	10
Mexico	95	0	0	0	5
Neth. Antilles	95	0	0	0	5
Panama	100	0	0	0	0
Saint Lucia	90	0	0	0	10
St. Chris. Nevis	90	0	0	0	10
St. Vincent	69	10	0	12	10
United States	100	0	0	0	0
SOUTH AMERICA	73	1	15	0	11
Bolivia	78	0	12	0	10
Ecuador	85	5	0	0	10
Guyana	77	0	0	1	22
Peru	70	0	20	0	10
Venezuela	73	0	16	0	11
ASIA	60	5	0	34	2
Bangladesh	100	0	0	0	0
Hong Kong	83	0	0	14	3
Indonesia	60	0	0	38	1
Japan	90	5	0	0	5
Kampuchea Dm.	95	0	0	0	5
Lebanon	100	0	0	0	0
Macau	97	0	0	0	3
Malaysia	13	0	0	85	2
Maldives	97	0	0	0	3
Nepal	85	0	0	0	15
Philippines	84	0	10	1	5
Saudi Arabia	100	0	0	0	0
Singapore	74	0	0	26	0
Syria	0	100	0	0	0
Thailand	0	61	0	39	0
U.A. Emirates	0	100	0	0	0

continued

TABLE 29 (CONTINUED)

Unspecified roots and tubers balance sheet, 1984

Country	Utilization (% availability)				
	Food	Feed	Seed	Processed	Waste
EUROPE	3	51	0	46	0
Denmark	0	100	0	0	0
France	37	63	0	0	0
Italy	0	100	0	0	0
Netherlands	0	60	0	40	0
Portugal	0	3	0	97	0
Spain	0	55	0	45	0
United Kingdom	0	44	0	56	0
OCEANIA	48	3	0	39	10
Fr. Polynesia	70	10	0	10	10
Kiribati	95	5	0	0	0
New Zealand	50	50	0	0	0
Papua N. Guinea	44	0	0	44	11
Samoa	98	2	0	0	0
Vanuatu	80	12	0	0	8
DEVELOPING NATIONS	67	5	1	17	10
DEVELOPED NATIONS	63	22	0	13	3

Derived from FAO, Basic Data Unit, Supply and Utilization Account (unpublished, May 1986 update). Includes countries with 500 tons or more domestic availability. Small quantities of "other uses" are included under the heading "processed." Regional totals include figures for countries not listed. All calculations were done with unrounded numbers.

TABLE 30
Root crop trade, 1984 (000 t)

Country	Cassava		Edible aroids		Potato		Sweet potato		Yam		Total	
	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp
WORLD	26408	31605	14	28	7757	7695	132	48	3	17	34542	39575
AFRICA	0	21	0	0	418	200	0	6	0	0	422	228
Algeria	0	0	0	0	254	0	0	0	0	0	254	0
Angola	0	18	0	0	2	0	0	0	0	0	2	18
Botswana	0	0	0	0	3	0	0	0	0	0	3	0
Cape Verde	0	0	0	0	2	0	0	0	0	0	2	0
Congo	0	0	0	0	1	0	0	0	0	0	1	0
Cote d'Ivoire	0	0	0	0	8	0	0	0	0	0	8	1
Egypt	0	0	0	0	40	133	0	6	0	0	40	140
Ethiopia	0	0	0	0	0	2	0	0	0	0	0	2
Gabon	0	0	0	0	2	0	0	0	0	0	2	0
Lesotho	0	0	0	0	0	0	0	0	0	0	3	0
Liberia	0	0	0	0	1	0	0	0	0	0	1	0
Libya	0	0	0	0	9	0	0	0	0	0	9	0
Madagascar	0	2	0	0	0	0	0	0	0	0	0	2
Malawi	0	1	0	0	0	0	0	0	0	0	0	1
Mauritania	0	0	0	0	3	0	0	0	0	0	3	0
Mauritius	0	0	0	0	2	0	0	0	0	0	3	0
Morocco	0	0	0	0	24	53	0	0	0	0	24	53
Reunion	0	0	0	0	1	0	0	0	0	0	1	0
Senegal	0	0	0	0	14	1	0	0	0	0	14	1
Seychelles	0	0	0	0	1	0	0	0	0	0	1	0
Sierra Leone	0	0	0	0	1	0	0	0	0	0	1	0
Somalia	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	0	0	0	0	8	5	0	0	0	0	8	5
Sudan	0	0	0	0	2	0	0	0	0	0	2	0
Togo	0	0	0	0	1	0	0	0	0	0	1	0
Tunisia	0	0	0	0	36	4	0	0	0	0	36	4
Zimbabwe	0	0	0	0	0	1	0	0	0	0	0	1
N. & C. AMERICA	138	43	14	21	661	519	11	11	3	7	859	618
Bahamas	0	0	0	0	7	0	0	0	0	0	8	0
Barbados	0	0	0	0	7	0	0	0	0	0	7	0
Belize	0	0	0	0	2	0	0	0	0	0	2	0
Bermuda	0	0	0	0	1	0	0	0	0	0	1	0
Canada	6	0	0	0	163	228	10	0	0	0	178	228
Costa Rica	0	17	0	0	0	0	0	0	0	0	3	17
Cuba	0	0	0	0	30	8	0	0	0	0	30	8
Dominica	0	0	0	1	0	0	0	0	0	0	0	1
Dominican Rp.	1	26	0	20	0	2	0	10	0	0	1	59
El Salvador	0	0	0	0	13	0	0	0	0	0	13	0
Guadeloupe	0	0	0	0	6	0	0	0	0	0	6	0
Guatemala	0	0	0	0	15	13	0	0	0	0	15	13
Honduras	0	0	0	0	1	0	0	0	0	0	1	0
Jamaica	0	0	0	0	1	0	0	1	0	6	1	8
Martinique	0	0	0	0	6	0	0	0	0	0	6	0
Mexico	1	0	0	0	21	1	0	0	0	0	22	1
Neth. Antilles	0	0	0	0	9	0	0	0	0	0	10	0
Nicaragua	0	0	0	0	3	0	0	0	0	0	3	0
Panama	0	0	0	0	1	0	0	0	0	0	5	0
Saint Lucia	0	0	0	0	1	0	0	0	0	0	1	0
St. Vincent	0	0	0	0	0	0	0	1	0	1	0	10
Trinidad Tob.	0	0	14	0	25	0	1	0	3	0	43	0
United States	130	0	0	0	349	266	0	0	0	0	502	273
SOUTH AMERICA	0	20	0	0	55	5	0	0	0	9	56	36
Argentina	0	0	0	0	3	0	0	0	0	0	3	0
Brazil	0	20	0	0	5	0	0	0	0	6	5	26
Colombia	0	0	0	0	0	1	0	0	0	4	0	4
French Guiana	0	0	0	0	1	0	0	0	0	0	1	0

continued

124

TABLE 30 (CONTINUED)

Root crop trade, 1984 (000 t)

Country	Cassava		Edible aroids		Potato		Sweet potato		Yam		Total	
	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp
Peru	0	0	0	0	1	0	0	0	0	0	1	0
Suriname	0	0	0	0	4	0	0	0	0	0	4	0
Uruguay	0	0	0	0	12	0	0	0	0	0	12	0
Venezuela	0	0	0	0	29	5	0	0	0	0	29	6
ASIA	1223	26569	0	1	754	604	4	12	0	0	2146	27343
Bangladesh	0	0	0	0	1	0	0	0	0	0	10	0
Brunei Darus.	0	0	0	0	2	0	0	0	0	0	2	0
China	0	1643	0	0	0	132	0	10	0	0	0	1786
Cyprus	0	0	0	0	11	174	0	0	0	0	11	174
Hong Kong	60	1	0	0	111	19	1	0	0	0	191	25
India	0	0	0	0	0	5	0	0	0	0	0	5
Indonesia	0	1395	0	0	3	12	0	0	0	0	3	1407
Iran	0	0	0	0	0	1	0	0	0	0	0	1
Iraq	0	0	0	0	70	0	0	0	0	0	70	0
Israel	0	0	0	0	0	43	0	1	0	0	0	45
Japan	548	0	0	0	148	1	0	0	0	0	696	1
Jordan	0	0	0	0	38	6	0	0	0	0	38	6
Korea Rep.	548	0	0	0	0	0	0	0	0	0	548	0
Kuwait	0	0	0	0	30	0	0	0	0	0	30	0
Lebanon	0	0	0	0	80	90	0	0	0	0	81	90
Malaysia	1	47	0	0	50	0	0	0	0	0	53	165
Mongolia	0	0	0	0	6	0	0	0	0	0	6	0
Pakistan	0	0	0	0	2	3	0	0	0	0	2	3
Philippines	0	1	0	0	0	0	0	0	0	0	0	1
Saudi Arabia	0	0	0	0	108	7	3	0	0	0	113	7
Singapore	61	15	0	0	47	22	0	0	0	0	143	40
Sri Lanka	4	0	0	0	0	0	0	0	0	0	4	0
Syria	0	0	0	0	12	10	0	0	0	0	60	10
Thailand	0	23468	0	0	0	0	0	0	0	0	0	23468
Turkey	0	0	0	0	0	73	0	0	0	0	0	73
U.A.Emirates	0	0	0	0	30	4	0	0	0	0	80	34
Viet Nam	0	0	0	0	0	2	0	0	0	0	0	2
Yemen Dem.	0	0	0	0	3	0	0	0	0	0	3	0
EUROPE	25048	4950	0	0	5278	6161	116	18	0	0	30450	11135
Albania	0	0	0	0	0	2	0	0	0	0	0	2
Austria	0	0	0	0	50	14	0	0	0	0	50	14
Belgium-Lux.	3035	175	0	0	370	432	24	6	0	0	3429	613
Bulgaria	0	0	0	0	65	9	0	0	0	0	65	9
Czechoslovakia	0	0	0	0	4	3	0	0	0	0	4	3
Denmark	18	0	0	0	64	3010	0	0	0	0	82	310
Finland	0	0	0	0	14	9	0	0	0	0	14	9
France	971	4	0	0	578	738	0	0	0	0	1552	742
German D.R.	0	0	0	0	35	0	0	0	0	0	35	0
Germany F.R.	6587	42	0	0	1279	632	34	9	0	0	7900	684
Greece	0	0	0	0	31	106	0	0	0	0	32	106
Hungary	0	0	0	0	16	19	0	0	0	0	16	20
Iceland	0	0	0	0	6	0	0	0	0	0	6	0
Ireland	68	0	0	0	98	24	0	0	0	0	166	24
Italy	399	10	0	0	549	331	42	0	0	0	990	342
Malta	0	0	0	0	6	5	0	0	0	0	6	5
Netherlands	13406	4707	0	0	512	3066	15	1	0	0	13936	7777
Norway	0	0	0	0	22	1	0	0	0	0	22	1
Poland	0	0	0	0	0	72	0	0	0	0	0	72
Portugal	1	0	0	0	110	1	0	0	0	0	111	1
Romania	0	0	0	0	20	6	0	0	0	0	20	6
Spain	0	0	0	0	74	129	0	2	0	0	74	130
Sweden	0	0	0	0	231	10	0	0	0	0	231	10
Switzerland	85	0	0	0	38	30	0	0	0	0	123	30

continued

TABLE 30 (CONTINUED)
Root crop trade, 1984 (000 t)

Country	Cassava		Edible ariods		Potato		Sweet potato		Yam		Total	
	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp	Imp	Exp
United Kingdom	479	12	0	0	1074	208	0	0	0	0	1555	221
Yugoslavia	0	0	0	0	29	1	0	0	0	0	29	1
OCEANIA	0	2	0	7	28	21	0	0	0	0	46	30
Australia	0	0	0	0	6	5	0	0	0	0	6	5
Fiji	0	0	0	0	12	0	0	0	0	0	12	0
Fr.Polynesia	0	0	0	0	3	0	0	0	0	0	3	0
New Caledonia	0	0	0	0	2	0	0	0	0	0	2	0
New Zealand	0	0	0	0	1	16	0	0	0	0	19	16
Papua N.Guinea	0	0	0	0	3	0	0	0	0	0	3	0
Samoa	0	0	0	6	0	0	0	0	0	0	0	6
Tonga	0	2	0	1	0	0	0	0	0	0	0	3
U.S.S.R.	0	0	0	0	563	184	0	0	0	0	563	184
DEVELOPING NATIONS	678	26655	14	28	1241	786	6	29	3	17	2118	27683
DEVELOPED NATIONS	25731	4950	0	0	6516	6909	126	19	0	0	32424	11892

Derived from FAO, Basic Data Unit, Supply and Utilization Account (unpublished, May 1986 update). Figures include processed cassava and potatoes converted to fresh-weight equivalent. These data differ from those in the FAO Trade Yearbooks, which include only trade in fresh potatoes. Includes countries with total root crop imports or exports of 500 tons or more. Total imports and exports include unspecified roots and tubers. Regional totals include figures for countries not listed. All calculations were done with unrounded numbers.

TABLE 31

Farm-gate root crop prices (at official and black market exchange rates), 1981

Countries	Local currency	Exchange rate	Price (US\$/ton)				
			Potato	Sweet potato	Cassava	Yam	Taro
AFRICA							
Algeria	Dinar	4.32	331	...	...	...	...
	(bl mkt)	13.95	33	...	...	...	...
Angola	Escudo*	61.26	86	31	39	...	...
Benin	Franc	271.73	...	110	129	125	129
Burkina Faso	Franc	271.73	...	92	110	110	...
Burundi	Franc	90.00	176	72	97	111	97
Cameroon	Franc	271.73	460	184	88	258	...
Cape Verde	Escudo*	48.54	109	40	50	...	...
Cent.Afr.Rep.	Franc	271.73	221	74	55	184	166
Chad	Franc	271.73	371	185	235	315	225
Comoros	Franc	270.20	...	220	175	...	...
Congo	Franc	271.73	460	414	368	184	...
Cote d'Ivoire	Franc	271.73	55	35	44	44	31
Egypt	Pound	0.70	125	75	...	...	258
	(bl mkt)	0.84	104	62	...	...	215
Ethiopia	Dollar	2.07	174	...	...	145	...
	(bl mkt)	3.11	116	...	...	96	...
Gabon	Franc	271.73	...	640	526	460	802
Gambia	Dalasi	1.97	...	...	107	...	...
Ghana	New Cedi	2.75	...	...	1357	1483	1483
	(bl mkt)	16.67	...	...	224	245	245
Guinea	Sylli	20.92	...	96	109	57	57
	(bl mkt)	75.00	...	27	30	16	16
Kenya	Shilling	9.05	82	44	66	...	...
	(bl mkt)	10.50	70	38	57	...	...
Lesotho	Rand	0.87	320	...	...	...	...
Liberia	Dollar	1.00	...	104	89	148	94
Libya	Dinar	0.30	446	...	...	...	...
	(bl mkt)	0.50	266	...	...	...	...
Madagascar	Franc	271.73	272	228	41	41	228
Malawi	Kwacha	0.90	107	...	34	...	...
	(bl mkt)	1.82	53	...	16	...	...
Mali	Franc*	540.20	...	126	96	126	...
Mauritania	Franc	241.48	343	213	...	213	...
Mauritius	Rupee	9.01	289	395	280	...	280
Morocco	Dirham	5.17	379	...	...	...	...
	(bl mkt)	5.45	360	...	...	...	...
Mozambique	Escudo*	50.22	178	93	94	...	...
Niger	Franc	271.73	...	258	77	...	...
Nigeria	Naira	0.61	310	196	228	244	228
	(bl mkt)	0.92	207	131	153	164	153
Reunion	Franc	5.40	807	500	363	...	...
Rwanda	Franc	92.84	98	52	70	99	77
Sao Tome Prn.	Escudo	38.35	...	...	63	...	...
Senegal	Franc	271.73	297	140	148	...	...
Sierra Leone	Leone	1.16	...	334	168	...	168
Somalia	Shilling	6.30	...	491	469	...	...
South Africa	Rand	0.87	162	209	...	...	...
	(bl mkt)	0.99	143	184	...	...	...
Sudan	Pound	0.54	379	146	146	43	...
	(bl mkt)	1.11	183	70	70	21	...
Swaziland	Lilangeni	0.87	334	259	...	...	...
Tanzania	Shilling	8.28	487	402	85	453	...
	(bl mkt)	27.00	149	123	26	139	...
Togo	Franc	271.73	...	287	152	287	152
Tunisia	Dinar	0.49	192	...	...	...	...
Uganda	Shilling	50.05	450	324	324	...	...
	(bl mkt)	205.00	110	79	79	...	...

continued

127

TABLE 31 (CONTINUED)
Farmgate root crop prices, 1981

Countries	Local currency	Exchange rate	Price (US\$/ton)				
			Potato	Sweet potato	Cassava	Yam	Taro
Zaire	Zaire	4.38	342	354	338	338	338
	(bl mkt)	10.00	150	155	148	148	148
Zambia	Kwacha	0.87	588	506	142	...	...
	(bl mkt)	1.35	379	325	91	...	...
Zimbabwe	Dollar*	0.69	327	103	103	...	...
	(bl mkt)	1.35	168	53	53	...	...
N. & C. AMERICA							
Antigua	Dollar	2.70	...	327	206	793	793
Bahamas	Dollar	1.23	...	55	55	...	...
Barbados	Dollar	2.01	...	90	119	90	90
Canada	Dollar	1.17	102	...	...	...	...
	(bl mkt)	1.20	100	...	...	...	...
Costa Rica	Colon	21.76	282	...	21	...	...
Cuba	Peso	0.79	221	126	126	...	...
	(bl mkt)	20.00	9	5	5	...	...
Dominica	Dollar	2.70	237	185	133	185	185
Dominican Rp.	Peso	1.00	240	138	150	252	...
	(bl mkt)	1.34	179	103	112	188	...
El Salvador	Colon	2.50	172	172	86	...	...
	(bl mkt)	4.50	96	96	48	...	...
Grenada	Dollar	2.70	...	556	556	652	...
Guadeloupe	Franc	5.40	722	722	954	1356	...
Guatemala	Quetzal	1.00	245	...	30	...	...
Haiti	Gourde	5.00	658	134	134	200	...
Honduras	Lempira	2.00	246	148	72	...	...
Jamaica	Dollar	1.78	617	420	309	402	...
Martinique	Franc	5.40	600	804	465	1893	...
Mexico	Peso	24.51	347	184	138	...	...
	(bl mkt)	25.50	333	177	133	...	...
Neth. Antilles	Guilder	1.80	...	...	...	...	...
Nicaragua	Cordoba	10.05	256	...	143	...	...
	(bl mkt)	25.25	102	...	57	...	...
Panama	Balboa	1.00	417	...	115	298	...
Puerto Rico	Dollar	1.00	...	334	318	548	...
Saint Lucia	Dollar	2.70	...	285	130	285	285
St. Vincent	Dollar	2.70	...	133	85	174	...
Trinidad Tob.	Dollar	2.40	...	546	471	981	981
United States	Dollar	1.00	119	300	...	...	...
SOUTH AMERICA							
Argentina	Pesos	4,400.00	332	300	332	...	...
	(bl mkt)	8,500.00	172	155	172	...	...
Bolivia	Peso	25.00	190	147	154	...	...
	(bl mkt)	35.00	136	105	110	...	...
Brazil	Cruzeiro	93.00	291	93	62	62	...
	(bl mkt)	108.00	251	80	53	53	...
Chile	Pesos	39.00	161	161	...	...	...
	(bl mkt)	42.50	148	148	...	...	...
Colombia	Peso	54.49	177	160	160	149	...
Ecuador	Sucre	25.00	254	147	120	...	...
	(bl mkt)	29.60	214	124	101	...	...
Paraguay	Guarani	126.00	270	127	103	...	...
	(bl mkt)	142.00	239	113	92	...	...
Peru	Sol	422.00	158	82	92	...	...
Suriname	Guilder	1.79	...	549	331	...	...
	(bl mkt)	2.70	...	363	219	...	...
Uruguay	Peso	10.82	285	161	...	...	...
Venezuela	Bolivar	4.29	533	391	294	589	...
	(bl mkt)	4.30	533	391	293	588	...

continued

TABLE 31 (CONTINUED)
Farmgate root crop prices, 1981

Countries	Local currency	Exchange rate	Price (US\$/ton)				
			Potato	Sweet potato	Cassava	Yam	Taro
ASIA							
Afghanistan	Afghani	49.48	158	...	...	...	...
	(bl mkt)	55.90	140	...	...	...	...
Bangladesh	Taka	17.99	74	58	...	...	...
	(bl mkt)	34.00	39	31	...	...	...
Bhutan	Rupee*	8.62	234	...	...	...	...
Burma	Kyat(ver)	7.30	168	104	149	...	...
	(bl mkt)	35.00	35	22	31	...	...
Cyprus	Pound	0.42	205	...	...	...	741
	(bl mkt)	0.41	209	...	...	...	756
Hong Kong	Dollar	5.62	217	192	...	...	...
	(bl mkt)	5.55	220	195	...	...	...
India	Rupee	8.66	233	122	91	...	...
	(bl mkt)	10.30	196	103	77	...	...
Indonesia	Rupiah	631.80	364	92	81	...	...
	(bl mkt)	669.00	344	87	76	...	...
Iran	Rial	78.33	231	...	...	...	...
	(bl mkt)	300.00	60	...	...	...	...
Iraq	Dinar*	0.30	115	...	...	...	...
	(bl mkt)	0.43	78	...	...	...	...
Israel	Pound*	10.87	180	177	...	...	...
	(bl mkt)	12.65	155	152	...	...	...
Japan	Yen	220.54	450	865	...	1786	1066
	(bl mkt)	225.00	441	848	...	1751	1045
Jordan	Dinar	0.33	364	...	...	...	...
Korea Rep.	Won	681.03	270	244	...	...	331
	(bl mkt)	720.00	255	231	...	...	313
Laos	Kip (bl mkt)	40.00	249	187	118	...	...
Lebanon	Pound	4.31	175	...	...	...	175
Malaysia	Ringgit	2.30	...	357	283	...	...
Maldives	Rupee	7.55	...	281	...	...	281
Nepal	Rupee	12.34	238	...	...	...	...
	(bl mkt)	13.50	218	...	...	...	...
Pakistan	Rupee	9.90	68	163	...	...	...
	(bl mkt)	13.70	49	118	...	...	...
Philippines	Peso	7.90	362	96	60	90	87
	(bl mkt)	8.35	343	91	57	85	83
Saudi Arabia	Riyal	3.38	624	...	...	...	...
Singapore	Dollar	2.11	...	185	142	...	...
Sri Lanka	Rupee	19.25	381	110	82	...	...
	(bl mkt)	21.35	343	99	74	...	...
Syria	Pound	3.93	355	...	...	...	...
	(bl mkt)	6.11	228	...	...	...	...
Thailand	Baht	21.82	150	165	21	...	...
	(bl mkt)	21.40	153	168	21	...	...
Turkey	Lira	111.22	191	...	...	...	...
	(bl mkt)	115.50	184	...	...	...	...
Viet Nam	Dong	3.94	2711	576	393	...	...
	(bl mkt)	32.00	334	71	48	...	...
Yemen A.R.	Rial	4.56	921	...	...	...	...
Yemen Dem.	Dinar	0.34	441	...	...	...	...
EUROPE							
Austria	Schilling	15.93	97	...	166	...	...
	(bl mkt)	16.85	92	...	157	...	...
Belgium-Lux.	B.Franc	37.13	100	...	...	...	...
	(bl mkt)	40.55	92	...	...	...	...
Bulgaria	Lev*	0.92	287	...	...	...	...
	(bl mkt)	2.31	114	...	...	...	...
Czechoslovakia	Koruna	5.89	171	...	...	...	...
	(bl mkt)	28.65	35	...	...	...	...

continued

TABLE 31 (CONTINUED)
Farmgate root crop prices, 1981

Countries	Local currency	Exchange rate	Price (US\$/ton)				
			Potato	Sweet potato	Cassava	Yam	Taro
Denmark	Krone	7.12	83	...	...	...	...
	(bl mkt)	7.48	79	...	...	...	...
Finland	Markka	4.32	265	...	...	...	...
	(bl mkt)	4.46	257	...	...	...	...
France	Franc	5.43	75	...	...	...	...
	(bl mkt)	6.30	65	...	...	...	...
German D.R.	Mark	2.26	124	...	...	...	...
	(bl mkt)	10.10	28	...	...	...	...
Germany F.R.	Mark	2.26	104	104	97	...	...
	(bl mkt)	2.39	99	99	92	...	...
Greece	Drachma	55.41	182	182	...	...	...
	(bl mkt)	61.00	165	165	...	...	...
Hungary	Forint	34.31	134	...	...	...	...
	(bl mkt)	33.00	139	...	...	...	...
Iceland	Krona	7.22	659	...	...	...	...
	(bl mkt)	7.35	648	...	...	...	...
Ireland	Pound	0.62	174	...	...	...	...
	(bl mkt)	0.65	165	...	...	...	...
Italy	Lira	1,136.80	183	355	...	...	...
	(bl mkt)	1,190.00	175	339	...	...	...
Netherlands	Guilder	2.50	117	...	...	...	...
	(bl mkt)	2.66	110	...	...	...	...
Norway	Krone	5.74	231	...	...	...	...
	(bl mkt)	6.08	218	...	...	...	...
Poland	Zloty	33.60	146	...	...	...	...
	(bl mkt)	213.00	23	...	...	...	...
Portugal	Escudo	61.55	184	341	76	...	...
	(bl mkt)	66.25	171	317	71	...	...
Romania	Leu	15.00	65	...	...	...	...
	(bl mkt)	34.55	28	...	...	...	...
Spain	Peseta	92.32	127	223	89	...	...
	(bl mkt)	97.70	120	210	84	...	...
Sweden	Krona	5.06	176	...	118	...	...
Switzerland	Franc	1.96	243	...	...	...	...
	(bl mkt)	2.70	176	...	...	...	...
United Kingdom	Pound	0.47	177	...	...	...	...
	(bl mkt)	0.52	161	...	...	...	...
Yugoslavia	Dinar	34.97	238	...	...	...	...
	(bl mkt)	38.85	214	...	...	...	...
OCEANIA							
Australia	Dollar	0.87	226	527	...	...	...
	(bl mkt)	1.14	172	402	...	...	...
Fiji	Dollar	0.85	238	263	171	381	198
Fr. Polynesia	Franc	98.24	509	560	115	...	...
New Caledonia	Franc	98.24	304	335	260	442	226
New Zealand	Dollar	1.15	139	218	...	...	...
	(bl mkt)	1.16	138	215	...	...	...
Papua N. Guinea	Kina	0.67	383	143	82	82	82
Samoa	Tala	1.04	...	...	231	231	231
Solomon Is.	Dollar	0.87	...	218	171	334	171
Tonga	Paanga	0.87	...	299	195	253	253
U.S.S.R.	Ruble*	0.73	182	...	...	...	...
	(bl mkt)	3.85	34	...	...	...	...

NOTES: Average farm-gate prices in local currencies (provided by FAO Basic Data Unit) were converted into US dollars using the official exchange rate for December 1981, as reported by International Financial Statistics (March, 1986). An asterisk (*) indicates that, in the absence of information in the IFS, the exchange rate is from the FAO Basic Data Unit (unpublished). Where a second exchange rate is listed, it is the black market rate for June 1981 as reported in Pick's Currency Yearbook (1983). 1981 is the most recent year for which reasonably complete farm-gate prices are available.