

Fertilizer use by crop

Utilisation des engrais par culture

Utilización de fertilizantes por cultivo

Fifth edition
Cinquième édition
Quinta edición

IFA – International Fertilizer Industry Association
Association internationale de l'industrie des engrais
Asociación Internacional de la Industria de los Fertilizantes

IFDC - International Fertilizer Development Center
Centre international de développement des engrais
Centro Internacional de promoción de los fertilizantes

IPI - International Potash Institute
Institut international des engrais potassiques
Instituto Internacional de los fertilizantes potásicos

PPI - Phosphate and Potash Institute
Institut pour les engrais phosphatés et potassiques
Instituto de fertilizantes fosfatados y potásicos

FAO - Food and Agriculture Organization of the United Nations
Organisation des Nations Unies pour l'alimentation et l'agriculture
Organización de las Naciones Unidas para la Agricultura y la Alimentación

Rome, Roma, 2002

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Inquiries about the technical content should be addressed to:

Statistical Analysis Service, Statistics Division
FAO, Viale delle Terme di Caracalla
00100 Rome, Italy
Fax: (39-06) 570 55615
E-Mail: ESS-Registry@fao.org

Adresser la correspondance d'ordre technique au sujet de cette publication à:

Service d'analyse statistique, Division de la statistique
FAO, Viale delle Terme di Caracalla
00100 Rome, Italie
Fax: (39-06) 570 55615
E-Mail: ESS-Registry@fao.org

La correspondencia relativa al contenido técnico de esta publicación debe dirigirse a:

Servicio de Análisis Estadístico, Dirección de Estadística
FAO, Viale delle Terme di Caracalla
00100 Roma, Italia
Fax: (39-06) 570 55615
E-Mail: ESS-Registry@fao.org

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INTRODUCTION

This is the fifth issue of the publication on **Fertilizer Use by Crop** produced jointly by the Food and Agriculture Organization of the United Nations (FAO), the International Fertilizer Industry Association (IFA), the International Fertilizer Development Centre (IFDC), the Phosphate and Potash Institute (PPI) and the International Potash Institute (IPI). This issue is the first published by five organizations since 1992. This publication will be released as usual after every alternate year.

The report generates a large amount of interest because of a lack of published information on application rates and use of fertilizer by crop type. The information in this report is useful to agricultural researchers, fertilizer marketing managers, international agencies, policy makers and various government agencies. It is also very useful for the analysis of environment-related issues such as input-output balances of plant nutrients in soils. The positive response to the four previous reports indicated that there was considerable need for this type of information.

The data on fertilizer use by crop contained in this publication relate to the year 1995 onward. For improvement of geographical coverage and data quality FAO, IFA, IFDC, IPI and PPI agreed to collaborate and broaden the scope of this study for issuance of this joint publication.

The sources of data in the publication are the following:

1. FAO questionnaires sent to member countries;
2. IFA questionnaires sent mainly to industry company members, research and development institutes and national and regional fertilizer associations and institutes.
3. IFDC questionnaires sent to agronomists, economists and other participants in various fertilizer training courses, professional meetings and other seminars conducted by IFDC;
4. IPI and PPI special contacts with specialized experts.

These organizations held meetings in Paris in September and December 2001 to review the data for the fifth publication. The published FAO statistics on country-wise total fertilizer consumption and crop areas were helpful and, in many cases, used as a guide to determine the reliability of the response. The data shown in this publication represent the consensus of the group. It is suggested that these data should be taken as to reflect the general magnitude rather than an exact measurement.

In this report attempt has been made to present data that make it clear whether application rates are the average for the entire crop area (fertilized and unfertilized) or the average for the area that is fertilized. Since data are estimated differently by various countries, it is not possible to adopt a uniform presentation for all countries and to provide a comprehensive global view. In a few countries where updates were not available, data from previous reports were included. The main characteristics of these data are given below to facilitate their interpretation:

1. Only a very limited number of countries have government agencies that collect such data. In many cases coverage is restricted to a few major crops;
2. Not all countries report data for the same year;
3. Mixed-cropping is practised in many countries, which makes it difficult to quantify the amount used on each crop. Some countries made estimates for a group of crops (i.e., cereals) rather than individual crops such as wheat and barley;
4. In some of the countries, the same area is sown more than once (double-cropping). In such cases, most or all of the fertilizer is applied to one crop, but the fertilizer benefits both the crops. In the present FAOSTAT database the use of fertilizer has been associated with crop to which it has been applied.

Further, in order to have a better understanding of **the total quantity of fertilizers** consumed in each country, the estimates of the N, P₂O₅ and K₂O consumption made by FAO/World Bank/UNIDO/Industry Working Group on Fertilizers are included. The sum of fertilizer use for all crops for a given country may be different from the estimates made independently by the Working Group as the former relates to selected crops while the later refers to consumption.

This publication presents data for 88 countries on fertilizer use by crop types expressed in plant nutrients for nitrogen (N), phosphate (P₂O₅) and potash (K₂O). Data on the application rates, total cultivated area, percentage of area fertilized and total consumption by individual crop are also shown.

FAO, IFA, IFDC, IPI and PPI gratefully acknowledge the assistance of all those who contributed to this publication and welcome suggestions from readers for further development and improvement. The group would also like to take this opportunity to

thank Dr Kim Gai Soh of IFA for his dedicated and valuable contribution to this work for a long period.

DEFINITIONS USED IN THE TABLES

TOTAL AREA (1000 ha) refers to land cultivated with the crop listed only.

PERCENTAGE AREA FERTILIZED (% Fert.) refers to the proportion of total area under a certain crop receiving fertilizers.

RATE (kg/ha) refers to the amount of fertilizers applied to one hectare of a crop during a season (application rate).

AVERAGE (Aver. kg/ha) refers to national average application for the relevant crops.

CONSUMPTION (1000 Metric tons) refers to the amount of nutrient used on individual crop. The total fertilizer consumption for a given country was obtained by summing up quantities used on the crops listed only and will, therefore, differ from the total country' fertilizer use as shown in the FAO Fertilizer Yearbook.

Figures may not always add up to the totals given due to rounding.

INTRODUCTION

Cette cinquième édition de l'*Utilisation des engrais par culture* est publiée conjointement par l'Organisation des Nations Unies pour l'alimentation et l'agriculture (FAO), l'Association internationale de l'industrie des engrais (IFA), le Centre international de développement des engrais (IFDC), l'Institut international des engrais potassiques (IPI) et L'Institut pour les engrais phosphatés et potassiques (PPI). C'est la première édition publiée conjointement par les cinq organisations depuis 1992. Les prochaines éditions seront publiées, comme de coutume, chaque deux ans.

L'intérêt croissant rencontré par cette publication est dû, en partie, au manque de matériel publié sur le taux d'application et sur l'utilisation des engrais par culture. Les informations bénéficient aux chercheurs agricoles, aux agents commerciaux, aux agences internationales, aux décideurs politiques et, surtout, aux pays eux-mêmes. Elles sont aussi utiles par rapport aux débats concernant l'environnement, tels que les bilans apport-bénéfice d'éléments nutritifs dans les sols. L'accueil favorable rencontré par cette publication a montré le besoin de fournir ce type d'informations

Dans cette publication, les données sur l'utilisation des engrais par culture se réfèrent à la période à partir de 1995. Afin d'assurer une couverture complète et d'améliorer la qualité des données, la FAO, l'IFA, l'IFDC, l'IPI et le PPI ont accepté de collaborer pour élargir le champ de cette étude et publier un document commun. Les données ont été compilées à partir des informations obtenues auprès des sources suivantes :

1. Le questionnaire de la FAO, envoyé aux pays membres;
2. Le questionnaire de l'IFA, envoyé principalement à ses membres de l'industrie des engrais, aux instituts de recherche et aux associations nationales et régionales sur les engrais;
3. Le questionnaire de l'IFDC, envoyé aux agronomes, aux économistes et aux participants de diverses sessions de formation dans le domaine des engrais, aux congrès professionnels, et autres séminaires organisés par l'IFDC;
4. Les contacts de l'IPI et PPI avec des experts spécialisés.

Ces cinq organisations se sont réunies à Paris en septembre et décembre 2001 pour examiner et analyser les données reçues afin de les trier pour les publier. Les statistiques de la FAO déjà disponibles sur la consommation totale des engrais par pays et sur les superficies des cultures ont été considérées très utiles, et dans un certain nombre de cas ont servi de mesure sur la qualité des réponses reçues. Les données choisies représentent un consensus du groupe de travail. Ces données devraient être prises comme telles pour fournir une estimation générale plutôt qu'une mesure exacte.

Dans ce rapport, nous avons essayé de présenter les tableaux d'une manière claire et concise en indiquant si les taux d'application utilisés sont la moyenne de l'ensemble de la superficie cultivée (fertilisée ou non fertilisée) ou bien uniquement la

moyenne de la superficie qui est fertilisée. Puisque les données sont estimées différemment par les divers pays, il n'est pas possible d'adopter une présentation uniforme pour tous les pays et de fournir un aperçu global détaillé. Pour un nombre restreint de pays, où il n'était pas possible de mettre à jour les données, nous nous sommes référés aux rapports précédents pour obtenir une vue d'ensemble plus complète. Les principales caractéristiques de ces données sont mentionnées ci-dessous pour en faciliter leur interprétation:

1. Pour l'instant, seul un nombre limité d'agences gouvernementales compilent de telles données. Leurs couvertures se limitent souvent à quelques cultures principales;
2. Certains pays n'ont pas fourni des données pour l'année de référence;
3. La technique de plusieurs cultures par an se pratique dans quelques pays rendant difficile la quantification des engrais utilisés par récolte. En outre, certains pays fournissent des estimations plutôt par groupes de récoltes (par exemple, les céréales) que par récolte individuelle (blé et orge);
4. Dans certains pays la même superficie est semée plusieurs fois (technique de la double récolte annuelle). Dans ce cas-ci la plupart ou la totalité des engrais est appliquée à une seule récolte mais bénéficie à toutes les deux. Dans le FAOSTAT, la base de données de la FAO, l'engrais est présenté en l'associant à la culture à laquelle il a été appliqué.

De plus, par souci de clarté concernant la quantité d'engrais consommée par chaque pays, nous avons inclus ici l'estimation de la consommation totale de N, P₂O₅, K₂O faite par la FAO/Banque Mondiale/ONUDI/Groupe de travail de l'industrie sur l'engrais. La quantité d'engrais utilisée pour l'ensemble des cultures, dans un pays déterminé, peut être différente de l'estimation faite de manière indépendante par le Groupe de travail. En effet la première peut se rapporter uniquement aux cultures sélectionnées, tandis que l'autre se réfère à la consommation totale.

Ce document présente les données de 88 pays sur l'utilisation des engrais par culture exprimées en terme d'éléments nutritifs pour l'azote (N), le phosphate (P₂O₅) et la potasse (K₂O). On y montre aussi les données sur les taux d'application, la surface totale récoltée, le pourcentage des superficies fertilisées et le total de la consommation par culture.

La FAO, l'IFA, l'IFDC, l'IPI et le PPI remercient vivement de leur collaboration tous ceux qui ont contribué à la publication de ce document et restent ouverts à toute suggestion de la part des lecteurs. Le groupe de travail aimerait, par la même occasion, exprimer ses remerciements les plus sincères au docteur Kim Gai Soh de l'IFA pour sa longue et importante contribution à ce travail.

DEFINITIONS UTILISÉES DANS LES TABLEAUX

SUPERFICIE TOTALE (1000 ha), représente la superficie des terres cultivées seulement pour la culture en question.

POURCENTAGE DES TERRES FERTILISÉES (% Fert.), indique la proportion des terres enrichies par des engrais dans la superficie totale qui est consacrée à une culture donnée.

TAUX (kg/ha), se rapporte à la quantité d'engrais utilisée sur un hectare pour une culture (taux d'application).

MOYENNE (kg/ha), se réfère à la moyenne nationale du taux d'application pour les cultures en question.

CONSOMMATION (1000 Tonnes métriques), représente la quantité d'éléments nutritifs utilisés pour chaque culture. La consommation totale d'engrais pour un pays donné est obtenue en totalisant les quantités utilisées pour les cultures recensées et peut donc différer du total donné dans l'Annuaire des engrais de la FAO.

Les totaux qui figurent dans les tableaux ne correspondent pas toujours à la somme exacte de leurs éléments; ceci est dû au fait de l'arrondissement des montants individuels.

INTRODUCCIÓN

Esta es la quinta edición de *Utilización de fertilizantes por cultivo*, publicada conjuntamente por la Organización de las Naciones Unidas para la Agricultura y la Alimentación (FAO), la Asociación Internacional de Industrias de Fertilizantes (IFA), el Centro Internacional para el Desarrollo de los Fertilizantes (IFDC), el Instituto Internacional de los Fertilizantes Potásicos (IPI) y el Instituto de Fertilizantes Fosfatados y Potásicos (PPI). Ésta es la primera edición publicada por cinco organizaciones desde 1992. Esta publicación será publicada como de costumbre cada dos años.

Este documento ha sido acogido favorablemente debido a la falta de información publicada sobre tasas de aplicación y uso total de fertilizantes por cultivo. Este tipo de información es muy útil para los investigadores agrícolas de fertilizantes, las organizaciones internacionales y, en primer lugar, para los países mismos. Resulta útil también cuando se trata de analizar los problemas del medio ambiente como, por ejemplo, el efecto de los residuos de los nutrientes para cultivos en el terreno (balance insumo-producto). La acogida favorable a los primeros cuatro documentos es una indicación de la gran necesidad que existe por este tipo de información.

Los datos sobre la utilización de fertilizantes por cultivo de esta publicación se refieren al año 1995 hacia adelante. Por consiguiente, la publicación contiene los datos del último año disponible para cada uno de los países cubiertos por la encuesta. A fin de aumentar la amplitud del estudio y evitar discrepancias entre los datos, la FAO, la IFA, el IFDC, el IPI y el PPI acordaron colaborar y publicar un trabajo conjunto. Por otra parte intentaron mejorar la calidad de los datos que se recibieron de encuestas incluyendo otras fuentes.

Las fuentes principales de los datos en esta publicación son las siguientes:

1. El cuestionario de la FAO enviado a los países miembros;
2. El cuestionario de la IFA enviado principalmente a las industrias pertenecientes a esta Asociación, a los institutos de investigación y del gobierno y a las asociaciones nacionales y regionales de los fertilizantes.
3. El cuestionario del IFDC enviado a sus contactos distribuidos en todo el mundo, incluyendo agrónomos, economistas y otros participantes a cursos de capacitación sobre el uso de fertilizantes, congresos profesionales y otros seminarios organizados por el IFDC;
4. Los contactos que el PPI y el IPI mantienen con los expertos especializados.

Estas cinco organizaciones acordaron en una reunión conjunta en septiembre y diciembre del 2001 examinar las informaciones recibidas y publicarlas en esta quinta edición. Las estadísticas publicadas por la FAO sobre el consumo total de fertilizantes y las superficies de cosecha fueron útiles para la confiabilidad del

trabajo y, en muchos casos, se usaron como guía principal para determinar las estimaciones.

Los datos publicados en este documento indican una aproximación de la utilización de fertilizantes en cada país y fueron obtenidos por consenso del grupo. Estos deben ser utilizados para reflejar una aproximación y no una medida exacta de la utilización de fertilizantes por país.

En este documento, se ha intentado presentar datos que indiquen con claridad cuando las tasas de aplicación corresponden al promedio del área total de cultivo (con o sin fertilizantes) o cuando las tasas de aplicación corresponden al promedio del área con fertilizantes. Como los criterios de estimación difieren de un país a otro, no ha sido posible adoptar una presentación de las estadísticas uniforme para todos los países y proveer un amplio panorama general. En algunos países, donde no existen resultados recientes, se han utilizado datos de las publicaciones previas para proveer un panorama más detallado. Las características principales de estos datos se dan a continuación para facilitar su interpretación:

1. Solamente algunos pocos países han recolectado este tipo de datos. En la mayoría de los casos, la cobertura se limita a algunos cultivos principales;
2. no todos los países presentan datos sobre la utilización de fertilizantes para el mismo año;
3. la técnica de varias cosechas anuales se practica en varios países, lo que dificulta la determinación de la cantidad de fertilizantes utilizada para cada cultivo. Además, algunos países producen una estimación para un grupo de cultivos (por ej., cereales) y no para cada cultivo individualmente (trigo y cebada);
4. la técnica de la doble cosecha se practica en varios países. En muchos casos, la mayoría o la totalidad de los fertilizantes se aplica a una sola cosecha, pero los fertilizantes benefician a las dos.

Además, para entender mejor la cantidad de fertilizantes utilizados por país, se incluyen las estimaciones de la utilización de N, P_2O_5 y K_2O , producidas por la FAO/Banco Mundial/UNIDO/Grupo de Trabajo de Industrias de fertilizantes. La suma del uso de fertilizantes para todos los cultivos en un país dado, puede ser diferente de la estimación obtenida independientemente por el Grupo de Trabajo. Esto es debido a que las cifras de países se refieren a algunos cultivos, mientras que las estimaciones del Grupo de Trabajo se refieren al consumo total.

Esta publicación muestra los datos para 88 países sobre la utilización de fertilizantes en los cultivos, expresados en nutrientes de las plantas en forma de Nitrógeno (N), Fosfatos (P_2O_5) y Potasa (K_2O); también muestra los datos sobre tasas de aplicación, superficie total cultivada, porcentaje de tierra fertilizada y consumo total de fertilizantes para cada producto.

La FAO, la IFA, el IFDC, el IPI y el PPI desean agradecer a todos los que han colaborado en la elaboración de este documento, cuyo alcance y calidad esperan ampliar y mejorar en el futuro. Se agradecerá también cualquiera sugerencia de los

lectores con ese propósito. El grupo de trabajo desea aprovechar la oportunidad para agradecer al Dr. Kim Gai Soh del IFA por su valiosa contribución al campo de utilización de fertilizantes por cultivo.

DEFINICIONES EMPLEADAS EN LOS CUADROS

SUPERFICIE TOTAL (1000 ha), la superficie dedicada a cada cultivo.

PORCENTAJE DE SUPERFICIE FERTILIZADA (% Fert.), la parte de tierra cultivada bajo un cierto producto que ha sido, fertilizada.

TASA (Rate kg/ha), la cantidad de fertilizante aplicada por hectárea cultivada (tasa de aplicación).

PROMEDIO (Aver. Kg/ha), se refiere a la tasa de aplicación nacional promedio para los cultivos relevantes.

CONSUMO (1000 Tonelada Métrica), la cantidad de nutriente para cada cultivo. El consumo total de fertilizantes en un cierto país ha sido obtenido sumando las cantidades empleadas para los productos listados y por eso puede ser diferente del total de fertilizantes empleados en cada país publicado en el Anuario FAO de Fertilizantes.

La suma de las cifras parciales no siempre corresponde a los totales debido a los procedimientos de redondeo.

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**LIST OF
AGRICULTURAL CROPS**

**LISTE DES CULTURES
AGRICOLES**

**LISTA DE LOS CULTIVOS
AGRICOLAS**

Cereals

Barley
Barley (Winter)
Barley (Spring)
Maize
Millet
Oat
Rice
Rye
Sorghum
Wheat
Wheat (Winter)
Wheat (Spring)
Wheat (Durum)
Cereals (Other)

Céréales

Orge
Orge d'hiver
Orge de printemps
Maïs
Millet
Avoine
Riz
Seigle
Sorgho
Blé
Blé d'hiver
Blé de printemps
Blé dur
Céréales (Autres)

Cereales

Cebada
Cebada de invierno
Cebada de primavera
Maíz
Mijo
Avena
Arroz
Centeno
Sorgo
Trigo
Trigo de invierno
Trigo de primavera
Trigo duro
Cereales (Otras)

Roots and Tubers

Cassava
Potato
Potato (Sweet)
Taro (Cocoyam)
Yam
Roots and Tubers (Other)

Racines et Tubercules

Manioc
Pomme de terre
Patate douce
Taro (Colocase)
Igname
Racines et Tubercules (Autres)

Raíces y Tubérculos

Yuca
Patata
Batata (Camotes)
Taro (Colocasia)
Ñame
Raíces y Tubérculos (Otros)

Pulses

Bean
Chick pea
Lentil
Mung bean
Pea
Pulses (Other)

Légumineuses

Haricot
Pois chiche
Lentille
Haricot mungo
Pois
Légumineuses (Autres)

Legumbres

Frijol
Garbanzo
Lenteja
Frijol mungo
Guisante
Legumbres (Otros)

Fruits

Almond
Apple
Avocado
Banana
Berry
Cherry

Fruits

Amande
Pomme
Avocat
Banane
Baie
Cerise

Frutas

Almendra
Manzana
Aguacate
Banano
Baya
Cereza

**LIST OF
AGRICULTURAL CROPS**

Citrus fruits
Lemon
Orange
Citrus (Other)
Date
Grape
Kiwi
Hazelnut
Mango
Mulberry
Nectarine
Melon
Nuts
Papaya
Peach
Pineapple
Pistachio
Plantain
Plum
Strawberry
Fruits (Other)

Oil crops

Castorbean
Coconut
Groundnut
Linseed
Oil Palm
Olive
Rapeseed
Safflower
Sesame
Soybean
Sunflower
Oil crop (Other)

**Beverages, Sugar
and Tobacco**

Cocoa
Coffee
Ginger
Sugar Beet

**LISTE DES CULTURES
AGRICOLES**

Agrumes
Citron
Orange
Agrumes (Autres)
Datte
Raisin
Kiwi
Noisette
Mangue
Mûre
Nectarine
Melon
Noix
Papaye
Pêche
Ananas
Pistache
Plantain
Prune
Fraise
Fruits (Autres)

Oléagineux

Huile de ricin
Noix de coco
Arachide
Graine de lin
Palmier à l'huile
Olive
Colza
Carthame
Sésame
Soja
Tournesol
Oléagineux (Autres)

Boissons, Sucre et Tabac

Cacao
Café
Gingembre
Betterave à sucre

**LISTA DE LOS CULTIVOS
AGRICOLAS**

Cítricos
Limón
Naranja
Cítricos (Otros)
Dátil
Uva
Kiwi
Avellana
Mango
Mora
Nectarina
Melón
Nueces.
Papaya
Melocotón
Piña
Pistacho
Plátano
Ciruela
Fresa
Frutas (Otras)

Cultivos Oleaginosos

Ricino
Coco
Maní
Linaza
Palmera oleaginosa
Aceituna
Colza
Cártamo
Sésamo
Soja
Girasol
Cult. Oleaginosos (Otros)

Bebidas. Azúcar y Tabaco

Cacao
Café
Jengibre
Remolacha azucarera

**LIST OF
AGRICULTURAL CROPS**

Sugarcane
Tea
Tobacco
Beverages,
and tobacco (Other),

Fibers

Cotton
Flax
Jute
Rubber
Fibers (Others)

Vegetables

Asparagus
Broccoli
Cabbage
Cantaloupe
Carrot
Cauliflower
Celery
Cucumber
Eggplant
French bean
Garlic
Hop
Lettuce
Onion
Pepper and chilli
Radish
Squash, pumpkin
Spinach
Tomato
Watermelon
Vegetables (Other)

Pasture & Fodder

Alfalfa
Stockbean
Clover & Mixtures
Fodder Crop

**LISTE DES CULTURES
AGRICOLES**

Canne à sucre
Thé
Tabac
Boissons, sucre et tabac
(Autres)

Fibres

Coton
Lin
Jute
Hévéa
Fibres (Autres)

Légumes

Asperge
Brocoli
Chou
Cantaloupe
Carotte
Chou-fleur
Céleri
Concombre
Aubergine
Haricot vert
Ail
Houblon
Laitue
Oignon
Poivre et piment
Radis
Courge
Épinard
Tomate
Pastèque
Légumes (Autres)

Prairie et fourrages

Luzerne
Fève
Trèfle et mélanges
Fourrage vert annuel

**LISTA DE LOS CULTIVOS
AGRICOLAS**

Caña de azúcar
Té
Tabaco
Bebidas, azúcar y tabaco
(Otras)

Fibras

Algodón
Lino
Yute
Caucho
Fibras (Otras)

Hortalizas

Esparraguera
Brécol
Cole
Cantalupo
Zanahoria
Coliflor
Apio
Pepinos
Berenjena
Judía verde
Ajo
Lúpulo
Lechuga
Cebolla
Pepino y pimiento
Rábano
Calabaza
Espinaca
Tomate
Sandía
Hortalizas (Otras)

Pastos y forrajes

Alfalfa
Haba menor
Trébol y mezclas
Cult. forrajero verde anual

**LIST OF
AGRICULTURAL CROPS**

Fodder beet
Fodder Crop (Other)
Grassland (Other)
Grassland (intensive)
Grassland (Moderate)
Grasslands & Pastures
Grasslands (Temporary)
Grasslands (Permanent)
Hay
Kale, cow cabbage
Maize (Green, silage)
Pasture & Fodder (Other)
Rough
Silage
Turnip (stockfed)
Vetch

Forestry

Horticulture

Set Aside

Fallow

Other

**LISTE DES CULTURES
AGRICOLES**

Betterave fourragère
Fourrage (Autres)
Prairie (Autres)
Prairie (Intensive)
Prairie (Modérée)
Prairies
Prairies (Temporaires)
Prairies (Permanentes)
Foin
Chou fourrager
Maïs fourrager
Prairie/Fourrage (Autres)
Prairies non fertilisées
Ensilage (Herbe)
Navet (fourrager)
Vesce

Forêts

Horticulture

Terres 'Gelées'

Jachère

Divers

**LISTA DE LOS CULTIVOS
AGRICOLAS**

Remolacha forrajera
Cultivos forrajero (Otros)
Pradera (Otras)
Pradera (Intensiva)
Pradera (Moderadas)
Praderas y pastos
Praderas (Temporales)
Praderas (Permanentes)
Heno
Col forrajera
Maíz forrajero
Pastos y forrajes (Otros)
Praderas no fertilizadas
Ensilaje
Navo (forrajero)
Veza

Bosques

Horticultura

**Tierras temporalmente
no utilizadas**

Barbecho

Otros

Algeria	Area	% Area							
Commodity (FAO)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Fruits	290.0	11.0	100.0	100.0	100.0	3.2	2.9	2.9	9.0
Potato	67.0	100.0	120.0	180.0	180.0	8.0	12.1	12.1	32.2
Vegetables	267.0	2.0	100.0			0.5			0.5
Wheat	2589.0			46.0			9.5		9.5
Total	3213.0					11.7	24.5	15.0	51.2
1998 Overall consumption estimate (FAO)						44.0	30.8	33.2	108.0

Argentina	Area	% Area							
Commodity (IFDC)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Barley	212.1	50.0	50.0	10.0		5.3	2.1	0.0	7.4
Citrus fruits	138.0	70.0	80.0	30.0	25.0	7.7	4.1	3.5	15.3
Cotton	780.0	60.0	40.0	5.0		18.7	3.9	0.0	22.6
Fruits (other)	452.0	60.0	20.0	10.0	8.0	5.4	4.5	3.6	13.5
Groundnut	384.0	50.0	40.0	10.0	5.0	7.7	3.8	1.9	13.4
Maize	3185.4	40.0	50.0	25.0	2.0	63.7	79.6	6.4	149.7
Oat	240.0	60.0	60.0	40.0		8.6	9.6	0.0	18.2
Potato	116.2	60.0	40.0	100.0	5.0	2.8	8.1	8.1	19.0
Pulses	298.8	40.0	30.0	20.0		3.6	6.0	0.0	9.6
Rice, paddy	211.7	60.0	60.0	25.0	10.0	7.6	5.3	2.1	15.0
Sorghum	782.1	50.0	10.0	10.0		3.9	7.8	0.0	11.7
Soybean	6954.1	50.0	10.0	5.0	3.0	34.8	34.8	20.9	90.5
Sugar cane	305.7	55.0	80.0	5.0	80.0	13.5	1.5	24.5	39.5
Sunflower	3331.4	50.0	25.0	5.0	2.0	41.6	16.7	6.7	65.0
Tobacco	49.0	50.0	20.0	10.0		0.5	0.5	0.0	1.0
Vegetables*	320.0		60.0	35.0	45.0	19.2	11.2	14.4	44.8
Wheat	5471.9	70.0	50.0	25.0		191.5	136.8	0.0	328.3
Total	12289.0					436.1	336.3	92.1	864.5
1998 Overall consumption estimate (IFDC)						425.0	320.7	32.1	777.8
1998 Overall consumption estimate (FAO)						425.7	320.7	32.1	778.5

* relates to national average

Bolivia	Area	% Area							
Commodity (IFDC)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1999			Rate (Kg/Ha)			Consumption (000Mt)			
Barley	86.0	10.0	30.0	30.0		0.3	0.3	0.0	0.6
Coffee	25.0	60.0	20.0	10.0		0.3	0.2	0.0	0.5
Cotton	21.0	20.0	20.0	30.0		0.1	0.2	0.0	0.3
Maize	285.0	5.0	40.0	30.0		0.6	0.4	0.0	1.0
Oat	6.0	40.0	30.0			0.1	0.0	0.0	0.1
Peach*	6.0		30.0	40.0	10.0	0.2	0.2	0.1	0.5
Potato	130.0	50.0	60.0	60.0		3.9	3.9	0.0	7.8
Rice, paddy	194.0	10.0	40.0	20.0	40.0	0.8	0.4	0.8	2.0
Sorghum	35.0	10.0	30.0	10.0		0.1	0.0	0.0	0.1
Soybean	420.0	40.0	5.0	8.0	5.0	0.8	1.3	0.0	2.1
Sugar cane	84.0	20.0	60.0			1.0	0.0	0.0	1.0
Tomato	5.0	40.0	40.0	30.0	10.0	0.1	0.1	0.0	0.2
Wheat	124.0	10.0	30.0	40.0	60.0	0.4	0.2	0.4	1.0
Total	1421.0					8.7	7.2	1.3	17.2
1999 Overall consumption estimate (IFDC)						8.7	7.1	0.6	12.6
1999 Overall consumption estimate (FAO)						0.9	0.7	0.4	2.0

* relates to national average

Brazil	Area	% Area							
Commodity (IFDC)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL

Year 1999			Rate (Kg/Ha)			Consumption (000Mt)			
Banana	620.0	60.0	50.0	40.0	120.0	18.6	14.9	44.6	78.1
Barley	75.0	50.0	40.0	30.0	40.0	1.5	1.1	1.8	4.4
Cassava*	1969.0		20.0	40.0	30.0	39.4	78.8	59.1	177.3
Cocoa	750.0	80.0	40.0	50.0	30.0	24.0	30.0	18.0	72.0
Coffee	2075.0	90.0	80.0	50.0	50.0	149.4	83.0	62.3	294.7
Cotton	1150.0	80.0	40.0	50.0	50.0	36.8	46.0	46.0	128.8
Groundnut	90.0	70.0	20.0	50.0	40.0	1.3	2.7	2.2	6.2
Maize	14191.0	70.0	60.0	30.0	50.0	596.0	298.0	496.0	1390.0
Orange	950.0	8.0	60.0	60.0	60.0	48.5	45.6	45.6	139.7
Potato	128.0	90.0	80.0	150.0	150.0	9.2	15.4	17.3	41.9
Pulses*	5300.0		35.0	60.0	30.0	185.5	318.0	159.0	662.5
Rice, paddy	4503.0	70.0	40.0	50.0	30.0	126.1	157.6	108.1	391.8
Sorghum	158.0	65.0	60.0	30.0	40.0	6.2	2.8	3.8	12.8
Soybean	12200.0	90.0	10.0	50.0	60.0	109.8	549.0	695.4	1354.2
Sugar cane	4257.0	75.0	80.0	60.0	100.0	255.4	229.9	383.1	868.4
Tobacco	327.0	80.0	40.0	40.0	40.0	10.5	10.5	10.5	31.5
Wheat	1267.0	70.0	80.0	40.0	60.0	71.0	40.5	60.8	172.3
Total	50010.0					1689.2	1923.8	2213.6	5826.6
1999 Overall consumption estimate (IFDC)						1671.6	1936.0	2248.0	5855.6
1999 Overall consumption estimate (FAO)						1671.6	1936.0	2248.5	5856.1

* relates to national average

Bulgaria		Area	% Area							
Commodity (FAO)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL	
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)				
Barley	290.0	51.7				15.0			15.0	
Fruits	209.0	4.8				1.0			1.0	
Maize	477.0	8.4				4.0			4.0	
Maize, silage	62.0	16.1				1.0			1.0	
Oil crops & Nuts	539.0	11.1				6.0			6.0	
Pasture & Fodder	291.0	3.4				1.0			1.0	
Sunflower	539.0	11.1				6.0			6.0	
Wheat	1142.0	60.4	3.5			69.0	4.0		73.0	
Total	3549.0					103.0	4.0	0.0	107.0	
1998 Overall consumption estimate (IFA)						135.0	9.0	25.0	169.0	
1998 Overall consumption estimate (FAO)						135.0	9.0	25.0	169.0	

Cambodia									
Commodity (PPI)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 2001			Rate (Kg/Ha)			Consumption (000Mt)			
Cassava	7.0	20.0	35.0	10.0	0.0	0.1	0.0	0.0	0.1
Fruits	57.0	10.0	55.0	35.0	20.0	0.3	0.2	0.1	0.6
Maize, silage	90.0	20.0	25.0	15.0	0.0	0.5	0.1	0.0	0.6
Rice	1873.0	30.0	17.0	15.0	5.0	9.6	5.6	0.5	15.7
Rubber	40.0	20.0	25.0	15.0	5.0	0.2	0.1	0.0	0.3
Tobacco	15.0	10.0	50.0	20.0	45.0	0.1	0.0	0.1	0.2
Vegetables	75.0	20.0	45.0	30.0	20.0	0.7	0.3	0.1	1.1
Total	2157.0					11.5	6.3	0.8	18.6
2001 Overall consumption estimate (PPI)						12.0	7.0	1.0	20.0
1999 Overall consumption estimate (FAO)						3.2	4.7	0.0	7.9

Chile									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Barley	35.0	90.0	100.0	80.0	30.0	3.2	2.5	0.9	6.6
Grape	130.0	90.0	80.0	45.0	40.0	9.4	5.3	5.2	19.9
Grassland*	900.0		45.0	30.0		40.5	27.0	0.0	67.5
Maize	120.0	100.0	200.0	100.0	30.0	24.0	12.0	3.2	39.2
Oat	115.0	100.0	100.0	80.0		11.5	9.2	0.0	20.7
Potato	70.0	95.0	100.0	110.0	60.0	6.7	7.7	4.2	18.6
Pulses	75.0	100.0	50.0	80.0	40.0	3.8	5.4	3.0	12.2
Rapeseed	10.0	100.0	140.0	150.0	30.0	1.4	1.5	0.3	3.2
Rice, paddy	29.0	80.0	120.0	80.0	40.0	2.8	1.9	1.0	5.7
Sorghum	45.0	90.0	80.0	80.0	30.0	3.2	2.9	1.4	7.5
Sugar beet	50.0	95.0	200.0	250.0	90.0	9.5	12.5	4.5	26.5
Sunflower	3.5	90.0	100.0	80.0	40.0	0.3	0.2	0.1	0.6
Tobacco	10.0	90.0	100.0	40.0	30.0	0.9	0.3	0.3	1.5
Tomato	22.0	95.0	90.0	100.0	40.0	1.9	2.0	0.9	4.8
Vegetables*	160.0		100.0	80.0	35.0	16.0	12.8	5.6	34.4
Wheat	420.0	100.0	100.0	80.0	20.0	42.0	33.6	8.4	84.0
Total	2194.5					177.1	136.8	39.0	352.9
1997 Overall consumption estimate (IFDC)						220.0	160.0	55.0	435.0
1997 Overall consumption estimate (FAO)						220.0	160.0	55.0	435.0

* relates to national average

China									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Apple	2690.2	100.0	140.0	70.0	45.0	376.6	169.5	72.6	618.7
Banana	150.8	100.0	220.0	85.0	110.0	33.2	11.5	16.6	61.3
Barley	1400.0	100.0	80.0	35.0	25.0	112.0	46.6	15.8	174.3
Cantaloupe	168.5	100.0	100.0	50.0	55.0	16.9	6.7	7.9	31.5
Cassava	231.0	90.0	95.0	45.0	30.0	19.8	5.2	3.8	28.8
Castorbean	243.0	75.0	60.0	40.0	25.0	10.9	3.9	0.6	15.4
Citrus fruits	1123.9	100.0	150.0	80.0	45.0	168.6	76.4	45.5	290.5
Cotton	5528.0	100.0	120.0	70.0	25.0	663.4	348.3	62.2	1073.8
Flax	92.5	100.0	55.0	40.0	25.0	5.1	2.8	0.3	8.2
Grape	148.9	100.0	150.0	90.0	65.0	22.3	13.4	6.8	42.5
Groundnut	3775.7	100.0	75.0	65.0	40.0	283.2	220.9	90.6	594.7
Jute/Kenaf	175.7	100.0	100.0	65.0	30.0	17.6	10.3	4.2	32.1
Linseed	667.8	95.0	65.0	40.0	30.0	41.2	21.4	1.0	63.6
Maize	21152.3	100.0	130.0	40.0	40.0	2749.8	423.0	296.1	3469.0
Millet	1672.0	90.0	65.0	25.0	0.0	97.8	25.1	0.0	122.9
Oat	400.0	100.0	65.0	18.0	20.0	26.0	5.0	0.8	31.8
Pear	750.1	100.0	120.0	75.0	65.0	90.0	56.3	31.7	178.0
Potato	3207.6	100.0	125.0	55.0	75.0	401.0	167.6	96.2	664.8
Potato, sweet	6511.0	100.0	125.0	50.0	75.0	813.9	260.4	390.7	1465.0
Pulses	3514.3	90.0	55.0	80.0	50.0	174.0	224.9	52.7	451.6
Rapeseed	5783.2	100.0	125.0	60.0	50.0	722.9	329.6	144.6	1197.1
Rice	30171.5	100.0	145.0	60.0	40.0	4374.9	1629.3	724.1	6728.2
Rubber	587.1	100.0	60.0	45.0	40.0	35.2	25.1	16.4	76.8
Rye	500.0	100.0	80.0	25.0	20.0	40.0	8.1	1.0	49.1
Sesame	689.9	100.0	95.0	40.0	30.0	65.5	16.6	4.1	86.2
Sorghum	1368.0	100.0	90.0	30.0	0.0	123.1	16.4	0.0	139.5
Soybean	9221.9	98.0	60.0	70.0	30.0	542.2	581.0	110.7	1233.9
Sugar beet	698.4	100.0	120.0	65.0	35.0	83.8	45.4	13.4	142.6
Sugar cane	1056.5	100.0	150.0	75.0	65.0	158.5	79.2	68.7	306.4
Sunflower	804.9	100.0	80.0	30.0	50.0	64.4	14.5	0.8	79.7
Taro	83.0	100.0	160.0	80.0	80.0	13.3	5.3	4.6	23.2
Tea	1134.6	100.0	130.0	50.0	35.0	147.5	48.2	27.8	223.5
Tobacco	1489.8	100.0	100.0	75.0	70.0	149.0	89.4	99.1	337.4
Vegetables	8920.7	90.0	150.0	75.0	40.0	1204.3	468.3	178.4	1851.0
Watermelon	867.2	100.0	160.0	90.0	65.0	138.8	70.2	53.5	262.5
Wheat	28980.7	100.0	120.0	85.0	32.0	3477.7	2414.1	92.7	5984.5
Others*	11171.5		120.0	18.5	2.5	1340.6	206.7	27.9	1575.2
Total	157132.2					18804.7	8146.6	2764.2	29715.5
1994 Overall consumption estimate (FAO)						19160.0	7329.0	2353.0	28842.0

* relates to national average

Colombia	Area	% Area							
Commodity (IFDC)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Banana	52.0	100.0	200.0	50.0	400.0	10.4	2.6	20.8	33.8
Barley	9.6	90.0	60.0	60.0	30.0	0.5	0.5	0.1	1.1
Cocoa	109.6	60.0	60.0	30.0	50.0	3.9	2.0	3.3	9.2
Coffee	1006.0	75.0	150.0	40.0	120.0	113.2	16.1	60.4	189.7
Cotton	61.3	65.0	80.0	30.0	40.0	3.2	1.2	1.7	6.1
Maize	573.4	50.0	100.0	80.0	30.0	28.7	41.3	5.2	75.2
Oil Palm	120.0	100.0	100.0	30.0	150.0	12.0	3.6	18.0	33.6
Orange	22.5	60.0	80.0	20.0	60.0	1.1	0.3	0.8	2.2
Potato	167.0	100.0	100.0	100.0	80.0	16.7	13.4	13.4	43.5
Pulses	139.0	100.0	40.0	80.0	60.0	5.6	7.8	5.4	18.8
Rice, paddy	394.0	90.0	120.0	80.0	70.0	42.6	25.2	24.8	92.6
Sorghum	102.6	90.0	100.0	80.0	50.0	9.2	6.6	4.1	19.9
Soybean	43.4	65.0	20.0	30.0	40.0	0.6	0.5	1.1	2.2
Sugar cane	50.0	70.0	100.0	150.0	100.0	3.5	6.8	4.5	14.8
Tobacco	10.0	70.0	80.0	10.0	30.0	0.6	0.1	0.2	0.9
Tomato	12.0	90.0	90.0	80.0	40.0	1.0	0.7	0.3	2.0
Vegetables*	82.0		100.0	80.0	40.0	8.2	6.6	3.3	18.1
Wheat	23.6	80.0	100.0	80.0	20.0	1.9	1.9	0.3	4.1
Total	2978.0					262.9	137.2	167.7	567.8
1997 Overall consumption estimate (IFDC)						265.2	123.1	168.4	556.7
1997 Overall consumption estimate (FAO)						265.2	123.1	168.4	556.7

* relates to national average

Costa Rica	Area	% Area							
Commodity (IFDC)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Banana	66.2	100.0	450.0	100.0	450.0	29.8	6.6	29.8	66.2
Citrus fruits	23.5	60.0	120.0	60.0	80.0	1.7	1.4	1.9	5.0
Cocoa	3.5	35.0	100.0	50.0	60.0	0.1	0.1	0.1	0.3
Coffee	180.0	100.0	200.0	50.0	100.0	36.0	7.2	14.4	57.6
Cotton	0.3	60.0	120.0	120.0	100.0	0.0	0.0	0.0	0.0
Fruits (other)	17.0	50.0	150.0	75.0	75.0	1.3	0.6	0.5	2.4
Maize	13.2	40.0	100.0	40.0	20.0	0.5	0.3	0.1	0.9
Oil Palm	26.6	100.0	60.0	40.0	100.0	1.6	1.1	2.7	5.4
Pineapple	9.2	80.0	200.0	100.0	350.0	1.5	0.7	3.2	5.4
Potato	3.7	100.0	150.0	400.0	150.0	0.6	1.5	0.6	2.7
Pulses	43.3	100.0	60.0	40.0	120.0	2.6	0.9	4.2	7.7
Rice, paddy	84.1	100.0	140.0	40.0	30.0	11.8	2.7	2.3	16.8
Sugar cane	47.9	90.0	100.0	40.0	60.0	4.3	1.5	2.0	7.8
Tobacco	0.3	100.0	200.0	300.0	200.0	0.1	0.1	0.1	0.3
Tomato	0.3	90.0	90.0	120.0	150.0	0.0	0.0	0.0	0.0
Vegetables	10.8	100.0	200.0	150.0	150.0	2.2	1.3	1.5	5.0
Total	529.9					94.1	26.0	63.4	183.5
1997 Overall consumption estimate (IFDC)						100.0	31.0	60.0	191.0
1997 Overall consumption estimate (FAO)						100.0	31.0	60.0	191.0

Dominican Republic									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Avocado	16.0	60.0	80.0	80.0	80.0	0.8	1.2	1.0	3.0
Banana	29.0	90.0	100.0	60.0	150.0	2.6	1.6	3.9	8.1
Cassava	20.0	20.0	60.0	40.0	60.0	0.2	0.2	0.2	0.6
Citrus fruits	11.8	90.0	100.0	60.0	80.0	1.1	0.6	0.8	2.5
Cocoa	153.2	20.0	60.0	40.0	40.0	1.8	1.2	1.2	4.2
Coconut	36.7	20.0	40.0	40.0	40.0	0.3	1.5	1.5	3.3
Coffee	139.4	40.0	80.0	40.0	60.0	4.5	2.2	2.5	9.2
Dry bean	63.5	60.0	80.0	60.0	60.0	3.0	2.3	2.3	7.6
Grape	1.0	90.0	100.0	80.0	100.0	0.1	0.1	0.1	0.3
Grassland (intensive)	130.0	10.0	80.0	40.0	40.0	1.0	0.5	0.8	2.3
Maize	28.5	40.0	100.0	60.0	60.0	1.1	0.7	0.7	2.5
Pineapple	8.7	90.0	120.0	80.0	150.0	0.9	0.6	1.2	2.7
Plantain	35.5	30.0	80.0	80.0	120.0	0.9	1.1	1.7	3.7
Potato	1.9	90.0	150.0	100.0	80.0	0.3	0.2	0.1	0.6
Potato, sweet	7.9	10.0	80.0	40.0	40.0	0.1	0.0	0.0	0.1
Pulses	64.9	60.0	40.0	80.0	60.0	1.6	3.1	3.9	8.6
Rice, paddy	121.2	90.0	120.0	60.0	60.0	13.1	6.5	5.8	25.4
Sorghum	8.5	50.0	80.0	60.0	60.0	0.3	0.3	0.3	0.9
Sugar cane	256.5	60.0	80.0	60.0	60.0	12.3	9.2	9.2	30.7
Tobacco	30.6	90.0	80.0	60.0	60.0	2.2	1.5	1.1	4.8
Tomato	12.0	90.0	120.0	60.0	120.0	1.3	0.6	0.9	2.8
Vegetables*	28.3		80.0	80.0	60.0	2.3	2.3	1.7	6.3
Total	1205.1					51.8	37.5	40.9	130.2
1998 Overall consumption estimate (IFDC)						51.3	20.3	26.2	97.8
1998 Overall consumption estimate (FAO)						51.3	20.3	26.2	97.8

* relates to national average

Ecuador									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1995			Rate (Kg/Ha)			Consumption (000Mt)			
Banana	110.0	70.0	300.0	20.0	400.0	23.1	1.5	30.8	55.4
Barley	45.0	5.0	80.0	20.0	60.0	0.2	0.0	0.1	0.3
Cassava	20.0	10.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0
Cocoa	310.0	5.0	80.0	15.0	60.0	1.2	0.2	0.9	2.3
Coffee	380.0	5.0	80.0	20.0	40.0	1.5	0.4	0.8	2.7
Cotton	20.0	50.0	100.0	20.0	30.0	1.0	0.2	0.3	1.5
Maize	320.0	60.0	120.0	40.0	40.0	23.0	7.7	7.7	38.4
Oil Palm	70.0	70.0	80.0	20.0	60.0	3.9	1.1	3.4	8.4
Potato	57.0	60.0	200.0	250.0	100.0	6.8	8.6	3.4	18.8
Rice	356.0	60.0	100.0	40.0	30.0	21.4	8.5	6.4	36.3
Soybean	81.0	50.0	10.0	20.0	20.0	0.4	0.8	0.8	2.0
Sugar cane	45.0	70.0	70.0	20.0	100.0	2.2	0.6	3.2	6.0
Wheat	35.0	5.0	80.0	20.0	30.0	0.1	0.0	0.1	0.2
Total	1849.0					84.8	29.6	57.9	172.3
1995 Overall consumption estimate (FAO)						56.0	21.0	24.0	101.0

Egypt									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Apple	29.4	100.0	178.5	61.9	85.7	5.3	1.8	2.5	9.6
Banana	18.5	100.0	1071.0	214.2	228.5	19.8	4.0	4.2	28.0
Barley	57.6	100.0	107.1	35.7	57.1	6.2	2.1	3.3	11.6
Bean	149.2	100.0	35.7	71.4	57.1	5.3	10.7	8.5	24.5
Cabbage	17.2	100.0	130.9	53.6	57.1	2.3	0.9	1.0	4.2
Carrot	5.0	100.0	130.9	53.6	57.1	0.7	0.3	0.3	1.3
Clover	666.4	100.0	35.7	45.2	0.0	23.8	30.1	0.0	53.9
Cotton	360.9	100.0	53.6	57.1	57.1	19.3	20.6	20.6	60.5
Cucumber	22.7	100.0	130.9	53.6	57.1	3.0	1.2	1.3	5.5
Flax	8.8	100.0	107.1	35.7	0.0	0.9	0.3	0.0	1.2
Garlic	7.1	100.0	161.8	71.4	85.7	1.2	0.5	0.6	2.3
Grape	56.7	100.0	209.4	90.4	83.3	11.9	5.1	4.7	21.7
Lentil	3.8	100.0	35.7	71.4	57.1	0.1	0.3	0.2	0.6
Maize	814.3	100.0	233.2	35.7	0.0	189.9	29.1	0.0	219.0
Mango	29.0	100.0	226.1	61.9	85.7	6.6	1.8	2.5	10.9
Onion	25.6	100.0	257.0	71.4	85.7	6.6	1.8	2.2	10.6
Orange	90.8	100.0	266.6	61.9	85.7	24.2	5.6	7.8	37.6
Peach	38.7	100.0	214.2	53.6	57.1	8.3	2.1	2.2	12.6
Peanut	42.9	100.0	71.4	35.7	57.1	3.1	1.5	2.4	7.0
Pepper	25.6	100.0	249.9	53.6	57.1	6.4	1.4	1.5	9.3
Potato	82.4	100.0	297.5	142.8	114.2	24.5	11.8	9.4	45.7
Rice	651.3	100.0	119.0	35.7	0.0	77.5	23.3	0.0	100.8
Sesame	28.2	100.0	90.4	77.4	57.1	1.1	0.9	0.7	2.7
Soybean	13.4	100.0	107.1	53.6	57.1	1.4	0.7	0.8	2.9
Squash	30.7	100.0	130.9	53.6	57.1	4.0	1.6	1.8	7.4
Sugar beet	26.9	100.0	23.0	8.0	114.2	0.6	0.2	3.1	3.9
Sugar cane	122.3	100.0	80.0	20.0	0.0	9.8	2.4	0.0	12.2
Sunflower	11.8	100.0	107.1	53.6	57.1	1.3	0.6	0.7	2.6
Tomato	168.5	100.0	297.5	107.1	114.2	50.1	18.0	19.2	87.3
Watermelon	62.6	100.0	130.9	53.6	57.1	8.2	3.4	3.6	15.2
Wheat	1044.5	100.0	169.0	35.7	0.0	176.5	37.3	0.0	213.8
Total	4712.8					699.9	221.4	105.1	739.6
1997 Overall consumption estimate (FAO)						915.0	134.5	29.2	1078.7

Estonia									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Apple	8.0	75.0	12.0	12.0	12.0	0.1	0.1	0.1	0.3
Barley	166.8	71.0	51.0	13.0	15.0	6.0	1.6	2.0	9.6
Fruits (other)	4.4	68.0	10.0	20.0	10.0		0.1		0.1
Mixed grains	20.7	41.0	41.0						
Oat	61.0	60.0	34.0			1.2			1.2
Pasture & Fodder	335.3	47.0	51.0	12.0	27.0	8.0	0.4	1.0	9.4
Pea	6.4			30.0	20.0		0.1	0.1	0.2
Potato	32.5	13.0	35.0	35.0	35.0	0.1	0.1	0.2	0.4
Rapeseed	18.0	100.0	50.0	18.0	30.0	0.9	0.3	0.5	1.7
Roots & tubers (other)	4.8	13.0	6.0	6.0	6.0				
Rye (winter)	38.8	86.0	34.0	26.0	34.0	1.1	0.1	0.1	1.3
Vegetables	4.2	70.0	67.0	33.0	33.0	0.2	0.1	0.1	0.4
Wheat	66.8	100.0	72.0	18.0	18.0	4.8	1.2	1.2	7.2
Total	767.7					24.9	4.4	3.1	32.4
1998 Overall consumption estimate (FAO)						24.9	4.4	3.1	32.4

Guatemala									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997	Rate (Kg/Ha)					Consumption (000Mt)			
Banana	21.0	80.0	120.0	60.0	150.0	2.0	1.0	3.2	6.2
Citrus fruits	8.2	60.0	80.0	30.0	60.0	0.4	0.2	0.4	1.0
Coffee	263.5	80.0	120.0	40.0	60.0	25.3	6.3	7.9	39.5
Cotton	15.5	60.0	100.0	60.0	60.0	0.9	0.6	0.5	2.0
Dry beans	125.6	100.0	40.0	40.0	40.0	5.0	4.0	2.5	11.5
Maize	620.0	100.0	100.0	60.0	60.0	62.0	37.2	11.2	110.4
Oil Palm	10.3	100.0	80.0	40.0	120.0	0.8	0.4	1.2	2.4
Potato	8.1	100.0	120.0	80.0	120.0	1.0	0.6	1.0	2.6
Rice, paddy	15.2	90.0	80.0	40.0	70.0	1.1	0.5	1.0	2.6
Sesame	36.9	100.0	90.0	60.0	120.0	3.3	2.2	4.4	9.9
Sorghum	52.4	90.0	100.0	60.0	40.0	4.7	2.5	1.7	8.9
Soybean	13.8	60.0	20.0	60.0	40.0	0.2	0.7	0.4	1.3
Sugar cane	132.3	70.0	100.0	80.0	50.0	9.3	7.4	5.3	22.0
Tobacco	8.1	60.0	80.0	40.0	40.0	0.4	0.2	0.3	0.9
Tomato	5.2	90.0	90.0	50.0	80.0	0.4	0.2	0.4	1.0
Vegetables*	3.2		80.0	80.0	60.0	0.3	0.3	0.2	0.8
Wheat	12.3	80.0	120.0	80.0	80.0	1.2	1.0	1.0	3.2
Total	1351.6					118.3	65.3	42.6	226.2
1997 Overall consumption estimate (IFDC)						118.4	48.9	42.0	209.3
1997 Overall consumption estimate (FAO)						118.6	76.0	42.0	236.6

* relates to national average

Guinea									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997	Rate (Kg/Ha)					Consumption (000Mt)			
Maize	84.7	40.0	80.0	60.0	40.0	2.7	2.0	1.4	6.1
Rice	480.1	20.0	80.0	60.0	50.0	7.7	5.8	4.8	18.3
Total	564.8					10.4	7.8	6.2	24.4
1997 Overall consumption estimate (FAO)						0.7	0.6	0.5	1.8

Honduras	Area (000Ha)	% Area Fertilized	N P ₂ O ₅ K ₂ O			N P ₂ O ₅ K ₂ O			TOTAL
Commodity (IFDC)			Rate (Kg/Ha)			Consumption (000Mt)			
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Banana	22.7	100.0	200.0	100.0	150.0	4.5	1.8	3.4	9.7
Citrus fruits	5.1	100.0	80.0	30.0	40.0	0.4	0.1	0.2	0.7
Cocoa	5.2	50.0	60.0	30.0	30.0	0.2	0.1	0.1	0.4
Coffee	191.0	80.0	150.0	40.0	100.0	22.9	3.8	9.6	36.3
Dry beans	89.7	80.0	30.0	50.0	80.0	2.2	1.8	3.6	7.6
Maize	453.2	60.0	100.0	50.0	80.0	27.2	11.3	10.9	49.4
Oil Palm	24.0	100.0	120.0	40.0	70.0	2.9	1.0	1.7	5.6
Pineapple	6.1	100.0	200.0	120.0	120.0	1.2	0.6	0.4	2.2
Plantain	17.5	50.0	120.0	20.0	60.0	1.1	0.1	0.3	1.5
Potato	1.6	100.0	180.0	100.0	120.0	0.3	0.2	0.1	0.6
Rice, paddy	22.9	100.0	120.0	40.0	80.0	2.7	0.7	1.5	4.9
Sorghum	96.5	50.0	60.0	40.0	40.0	2.9	1.5	1.2	5.6
Soybean	4.3	40.0	20.0	60.0	40.0	0.0	0.1	0.1	0.2
Sugar cane	41.9	100.0	150.0	40.0	100.0	6.3	0.8	3.4	10.5
Tobacco	6.7	100.0	80.0	30.0	40.0	0.5	0.1	0.2	0.8
Tomato	4.2	100.0	90.0	50.0	80.0	0.4	0.2	0.3	0.9
Vegetables*	10.2		100.0	60.0	60.0	1.0	0.6	0.6	2.2
Wheat	1.3	50.0	60.0	40.0	40.0	0.0	0.0	0.0	0.0
Total	1004.1					76.7	24.8	37.6	139.1
1997 Overall consumption estimate (IFDC)						82.9	24.2	36.6	143.7
1997 Overall consumption estimate (FAO)						82.9	24.2	36.3	143.4

* relates to national average

India	Area (000Ha)	% Area Fertilized	N P ₂ O ₅ K ₂ O			N P ₂ O ₅ K ₂ O			TOTAL
Commodity (FAI-IFA)			Rate (Kg/Ha)			Consumption (000Mt)			
Year 1997-98			Rate (Kg/Ha)			Consumption (000Mt)			
Cotton	8868.0	86.0	66.3	28.3	6.0	505.4	215.5	46.1	767.0
Gram	7563.0	35.0	14.5	10.8	0.4	38.4	28.5	1.1	68.0
Groundnut	7088.0	85.0	26.5	30.0	8.0	159.9	181.0	48.4	389.3
Jute	906.0	70.0	31.8	9.6	6.5	20.1	6.1	4.1	30.3
Maize	6321.0	55.0	33.1	13.1	2.7	115.0	45.5	9.4	169.9
Millet	9668.0	35.0	29.5	9.5	1.2	100.0	32.2	4.1	136.3
Paddy	43446.0	75.0	67.7	24.2	9.4	2205.8	788.0	305.4	3299.2
Rapeseed & Mustard	7041.0	70.0	65.4	25.7	3.0	322.5	126.7	14.6	463.8
Sorghum	10801.0	50.0	25.4	13.9	3.0	136.9	75.3	16.4	228.6
Sugar cane	3930.0	90.0	97.1	38.7	25.2	343.4	136.9	89.0	569.3
Wheat	26696.0	90.0	97.8	33.8	3.8	2348.7	812.5	90.3	3251.5
Other crops	58434.0					4605.8	1465.4	743.5	6814.7
Total	190762.0					10901.9	3913.6	1372.4	16187.9
1997 Overall consumption estimate (FAO)						10901.9	4112.2	1372.5	16386.6

Indonesia									
Commodity (PPI)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 2001			Rate (Kg/Ha)			Consumption (000Mt)			
Cassava	1360.0	40.0	65.0	35.0	30.0	35.4	14.2	4.1	53.7
Cocoa	360.0	70.0	95.0	55.0	65.0	23.9	11.9	9.4	45.2
Coconut	2800.0	15.0	45.0	30.0	25.0	18.9	8.4	3.5	30.8
Coffee	900.0	70.0	70.0	30.0	40.0	44.1	16.2	14.4	74.7
Fruits	868.0	60.0	135.0	40.0	75.0	70.3	17.4	26.0	113.7
Groundnut	650.0	20.0	40.0	30.0	15.0	5.2	3.9	1.0	10.1
Maize	3402.0	80.0	85.0	25.0	8.0	258.6	51.0	13.6	323.2
Oil Palm	2500.0	80.0	95.0	30.0	75.0	190.0	52.5	131.3	373.8
Onion	80.0	70.0	65.0	40.0	30.0	3.6	1.9	0.5	6.0
Pepper	80.0	70.0	65.0	35.0	45.0	3.6	1.4	1.4	6.4
Potato	63.0	80.0	85.0	55.0	65.0	4.3	2.4	2.1	8.8
Rice	11523.0	90.0	105.0	22.0	14.0	1192.6	177.5	64.5	1434.6
Rubber	2150.0	60.0	35.0	22.0	12.0	45.2	18.9	5.2	69.3
Soybean	967.0	20.0	40.0	30.0	15.0	7.7	5.8	1.5	15.0
Sugar cane	340.0	80.0	90.0	35.0	30.0	24.5	7.1	5.1	36.7
Tea	110.0	70.0	95.0	30.0	45.0	7.3	2.3	2.0	11.6
Tobacco	223.0	80.0	75.0	25.0	85.0	13.4	3.9	13.3	30.6
Vegetables	773.0	80.0	145.0	40.0	75.0	89.7	21.6	29.0	140.3
Total	29149.0					2038.3	418.3	327.9	2784.5
2001 Overall consumption estimate (PPI)						2170.0	420.0	330.0	2920.0
1999 Overall consumption estimate (FAO)						1959.3	300.0	400.0	2659.3

Jordan									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Apple	5.0	100.0	120.0	40.0	120.0	0.6	0.2	0.6	1.4
Banana	2.7	100.0	250.0	100.0	300.0	0.7	0.3	0.8	1.8
Barley	52.0	10.0	18.0	46.0		0.1	0.2		0.3
Citrus fruits	6.3	100.0	120.0	60.0	200.0	0.8	0.4	1.3	2.5
Cucumber	1.0	100.0	350.0	250.0	50.0	0.4	0.3	0.1	0.8
Garlic	0.8	100.0	50.0	50.0	50.0				
Olive	88.0	100.0	50.0	50.0	50.0	4.4	4.4	4.4	13.2
Onion	3.2	100.0	50.0	50.0	50.0	0.2	0.2	0.2	0.6
Pea	0.1	100.0	30.0	150.0	75.0				
Roots & tubers	5.0	100.0	150.0	150.0	125.0	0.8	0.8	0.6	2.2
Tomato	12.0	100.0	250.0	250.0	150.0	3.0	3.0	1.8	7.8
Wheat	52.0	30.0	46.0	115.0		0.7	1.8		2.5
Total	228.1					11.7	11.6	9.8	33.1
1998 Overall consumption estimate (IFA)						14.8	4.6	4.0	23.4
1998 Overall consumption estimate (FAO)						14.8	4.5	4.0	23.3

Kenya									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997	Rate (Kg/Ha)					Consumption (000Mt)			
Banana	41.0	20.0	60.0	40.0		0.5	0.5		1.0
Barley	23.0	80.0	25.0	80.0	40.0	0.5	1.5	0.2	2.2
Citrus fruits	6.6	60.0	60.0	30.0	40.0	0.2	0.1	0.1	0.4
Coffee	159.0	80.0	60.0	20.0	40.0	7.6	2.5	5.7	15.8
Fruits (other)	130.0	60.0	60.0	30.0	80.0	4.7	2.3	6.2	13.2
Groundnut	18.0	40.0	40.0	60.0		0.3	0.2	0.0	0.5
Maize	1500.0	30.0	40.0	30.0		18.0	13.5	0.0	31.5
Plantain	86.0	10.0	40.0	30.0		0.3	0.3	0.0	0.6
Potato	95.0	60.0	100.0	60.0		5.7	3.4	0.0	9.1
Pulses	700.0	50.0	20.0	30.0	10.0	7.0	6.3	1.4	14.7
Rice (irrigated)	13.0	100.0	60.0	30.0		0.8	0.4	0.0	1.2
Rice (rainfed)	6.0	30.0	60.0	80.0		0.1	0.1	0.0	0.2
Sisal	21.0	30.0	10.0	150.0	30.0	0.1	2.2	0.2	2.5
Sorghum	140.0	40.0	60.0	30.0		3.4	1.3	0.0	4.7
Sugar cane	58.0	50.0	60.0	40.0	40.0	1.7	1.4	1.2	4.3
Tea	117.0	100.0	50.0	10.0	10.0	5.9	1.2	0.9	8.0
Tobacco	8.8	80.0	30.0	80.0	30.0	0.2	0.6	0.2	1.0
Vegetables*	81.9		60.0	80.0	20.0	4.9	6.6	1.6	13.1
Wheat	135.0	70.0	40.0	80.0		3.8	8.6	0.0	12.4
Total	3339.3					65.7	53.0	17.7	136.4
1998 Overall consumption (IFA)						51.0	69.4	14.0	134.4
1998 Overall consumption estimate (FAO)						53.0	57.1	17.0	127.1

* relates to national average

Laos									
Commodity (PPI)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 2001	Rate (Kg/Ha)					Consumption (000Mt)			
Cassava	5.0	10.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0
Coffee	42.0	50.0	45.0	35.0	45.0	1.0	0.7	0.3	2.0
Maize	10.0	40.0	50.0	25.0	0.0	0.2	0.1	0.0	0.3
Rice	690.0	30.0	55.0	15.0	5.0	11.4	3.1	0.2	14.7
Sugar cane	5.0	10.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0
Tea	1.0	10.0	55.0	30.0	0.0	0.0	0.0	0.0	0.0
Tobacco	8.0	55.0	65.0	25.0	15.0	0.3	0.1	0.0	0.4
Vegetables	42.0	20.0	65.0	40.0	25.0	0.5	0.3	0.2	1.0
Total	803.0					13.4	4.3	0.7	18.4
2001 Overall consumption estimate (PPI)						14.0	5.0	1.0	20.0

Latvia									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998	Rate (Kg/Ha)					Consumption (000Mt)			
Cereals (incl. pulses)	472.8	0.9	61.2	19.8	26.3	0.3	0.1	0.1	0.5
Flax	2.2	88.3	55.3	23.7	27.0	0.1		0.1	0.2
Fodder roots	13.1	91.7	124.7	27.6	66.8	1.5	0.3	0.8	2.6
Fruit gardens	12.7	7.8	2.7	1.6	2.3				
Grassland & Pasture	571.3	51.8	30.5	4.2	7.3	9.0	1.2	2.2	12.4
Perennial grass	392.7	31.7	19.9	1.5	3.0	2.5	0.2	0.4	3.1
Potato	58.8	72.5	41.9	33.6	55.8	1.8	1.4	2.4	5.6
Sugar beet	16.3	94.2	175.7	82.0	111.9	2.7	1.3	1.7	5.7
Vegetables (covered area)	0.1	99.6	540.8	177.6	968.5			0.1	0.1
Vegetables (open area)	11.6	75.8	38.7	16.6	33.2	0.3	0.1	0.3	0.7
Total	1551.6					18.2	4.6	8.1	30.9
1998 Overall consumption estimate (FAO)						31.5	10.7	7.0	49.2

Lebanon									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1995			Rate (Kg/Ha)			Consumption (000Mt)			
Apple	11.7	70.0	75.0	50.0	90.0	0.6	0.4	0.7	1.8
Banana	36.6	95.0	150.0	75.0	200.0	4.2	2.6	2.0	8.8
Barley	11.1	80.0	50.0	40.0	40.0	0.4	0.4	0.3	1.1
Bean	2.0	75.0	125.0	33.0	90.0	0.2	0.0	0.1	0.4
Bean (french)	3.1	80.0	50.0	75.0	125.0	0.1	0.2	0.3	0.6
Cabbage	2.7	70.0	50.0	60.0	100.0	0.1	0.1	0.2	0.4
Carrot	1.6	60.0	50.0	70.0	100.0	0.0	0.1	0.1	0.2
Citrus fruits	7.5	90.0	120.0	75.0	150.0	0.8	0.5	1.0	2.3
Cucumber	5.0	90.0	300.0	150.0	500.0	1.4	0.7	1.7	3.7
Eggplant	2.1	80.0	125.0	100.0	150.0	0.2	0.2	0.3	0.6
Grape	26.2	60.0	75.0	50.0	90.0	1.2	0.8	1.4	3.4
Groundnut	2.5	50.0	80.0	40.0	100.0	0.1	0.1	0.1	0.3
Lemon	2.9	80.0	100.0	75.0	120.0	0.2	0.2	0.3	0.7
Maize	2.1	70.0	80.0	50.0	40.0	0.1	0.1	0.0	0.2
Olive	42.7	50.0	75.0	50.0	100.0	1.6	1.1	2.1	4.8
Onion	3.8	80.0	150.0	60.0	110.0	0.5	0.2	0.3	0.9
Peach	1.5	70.0	100.0	75.0	120.0	0.1	0.1	0.1	0.3
Potato	13.7	98.0	150.0	150.0	226.0	2.0	2.0	1.0	5.0
Squash/Gourd	1.6	80.0	150.0	100.0	150.0	0.2	0.1	0.2	0.5
Sugar beet	4.0	98.0	25.0	100.0	450.0	0.1	0.4	1.8	2.3
Tobacco	3.1	80.0	75.0	50.0	100.0	0.2	0.1	0.2	0.6
Tomato	8.0	80.0	250.0	200.0	350.0	1.6	1.3	1.5	4.4
Wheat	23.6	80.0	90.0	60.0	40.0	1.0	1.0	0.6	2.6
Total	219.1					17.0	12.4	16.3	45.7
1995 Overall consumption estimate (FAO)						25.0	15.0	4.0	44.0

Madagascar									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Cotton	33.8	100.0	21.0	23.0	16.0	0.7	0.8	0.5	2.0
Potato	49.0	60.2	23.0	22.0	17.0	0.7	0.7	0.5	1.9
Rice	1203.0	7.9	11.0	12.0	8.0	1.0	1.1	0.8	2.9
Sugar cane	17.0	100.0	37.0	38.0	28.0	0.6	0.6	0.5	1.7
Tobacco	3.3	30.3	32.0	32.0	23.0				
Wheat	0.1	100.0	80.0	40.0	40.0				
Total	1306.2					3.0	3.2	2.3	8.5
1998 Overall consumption estimate (FAO)						3.6	2.7	2.4	8.7

Malawi									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Banana	18.0	20.0	40.0	30.0		0.1	0.1	0.0	0.2
Cassava	125.8	20.0	20.0	20.0		0.5	0.1	0.0	0.6
Coffee	3.7	80.0	60.0	20.0	10.0	0.2	0.1	0.0	0.3
Groundnut	100.1	40.0	40.0	40.0		1.6	0.8	0.0	2.4
Maize	1233.5	30.0	60.0	15.0	2.0	22.2	5.6	2.0	29.8
Potato	101.8	60.0	100.0	40.0		6.1	1.6	0.0	7.7
Rice	40.4	100.0	60.0	20.0	3.0	2.4	0.6	0.1	3.1
Sorghum	83.9	30.0	40.0	15.0	3.0	1.0	0.3	0.1	1.4
Sugar cane	17.5	50.0	60.0	40.0	15.0	0.5	0.4	0.1	1.0
Tobacco	114.8	80.0	30.0	10.0	15.0	2.8	0.9	1.4	5.1
Vegetables*	29.6		60.0	40.0	10.0	1.8	1.2	0.3	3.3
Total	1869.1					39.2	11.7	4.0	54.9
1997 Overall consumption estimate (IFDC)						41.2	12.6	3.0	56.8
1997 Overall consumption estimate (FAO)						41.2	12.6	3.0	56.8

* relates to national average

Malaysia									
Commodity (PPI)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 2001			Rate (Kg/Ha)			Consumption (000Mt)			
Cassava	38.0	50.0	85.0	40.0	45.0	1.6	0.5	0.3	2.4
Cocoa	126.0	70.0	125.0	65.0	60.0	15.8	4.9	3.8	24.5
Coconut	180.0	15.0	45.0	25.0	25.0	1.2	0.5	0.5	2.2
Coffee	16.0	60.0	95.0	55.0	85.0	0.9	0.4	0.5	1.8
Fruits	92.0	80.0	105.0	50.0	85.0	7.7	3.5	4.7	15.9
Groundnut	1.0	30.0	40.0	30.0	20.0	0.0	0.0	0.0	0.0
Maize	27.0	85.0	80.0	45.0	40.0	1.8	0.9	0.7	3.4
Oil Palm	2920.0	95.0	100.0	45.0	205.0	277.4	124.8	568.7	970.9
Pepper	12.0	80.0	125.0	55.0	95.0	1.2	0.5	0.8	2.5
Rice	692.0	90.0	95.0	40.0	35.0	59.2	24.9	17.0	101.1
Rubber	1400.0	80.0	35.0	18.0	10.0	39.2	22.4	9.8	71.4
Sugar cane	24.0	90.0	105.0	65.0	120.0	2.6	1.3	1.2	5.1
Tea	3.0	80.0	105.0	45.0	75.0	0.3	0.1	0.2	0.6
Tobacco	13.0	90.0	80.0	40.0	75.0	0.9	0.4	0.8	2.1
Vegetables	28.0	90.0	125.0	45.0	65.0	3.2	1.0	1.5	5.7
Total	5572.0					413.0	186.1	610.5	1209.6
2001 Overall consumption estimate (PPI)						420.0	200.0	630.0	1250.0

Mauritania									
Commodity (FAO)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1995	Rate (Kg/Ha)					Consumption (000Mt)			
Garlic	4.5	50.0	250.0			0.6	0.0	0.0	0.6
Onion	0.7	80.0	150.0	300.0		0.1	0.2	0.0	0.3
Rice	13.5	100.0	250.0			3.4	0.0	0.0	3.4
Tomato	0.9	70.0	200.0	250.0		0.1	0.2	0.0	0.3
Total	19.6					4.2	0.4	0.0	4.6
1995 Overall consumption estimate (FAO)						4.0	0.0	0.0	4.0

Mexico									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997	Rate (Kg/Ha)					Consumption (000Mt)			
Alfalfa	165.0	80.0	30.0	60.0		4.0	7.9	0.0	11.9
Apples	58.7	60.0	85.0	40.0	40.0	3.0	1.4	1.4	5.8
Avocado	92.2	85.0	120.0	60.0	60.0	9.4	5.5	4.4	19.3
Banana	66.4	90.0	100.0	20.0	120.0	6.0	1.2	6.4	13.6
Barley	267.5	40.0	80.0	30.0		8.6	3.2	0.0	11.8
Cantaloupe & melons	40.0	80.0	75.0	30.0	20.0	2.4	1.0	0.6	4.0
Chickpeas	68.1	60.0	75.0	10.0		3.1	0.5	0.0	3.6
Cocoa	84.8	20.0	50.0	40.0	20.0	0.8	2.0	0.3	3.1
Coconut	153.0	60.0	60.0	5.0	40.0	5.5	0.5	3.7	9.7
Coffee	679.2	60.0	60.0	40.0	15.0	24.5	10.9	6.1	41.5
Cotton lint	705.4	80.0	120.0	30.0		67.7	12.7	0.0	80.4
Cotton seed	245.3	75.0	120.0	30.0		22.1	4.4	0.0	26.5
Dry beans	2146.5	50.0	60.0	25.0		64.4	21.5	0.0	85.9
Grape	39.2	90.0	80.0	25.0	15.0	2.8	0.8	0.5	4.1
Grassland, temporary	405.0	5.0	80.0	15.0	10.0	1.6	0.6	0.4	2.6
Groundnut	93.1	40.0	50.0	30.0	10.0	1.9	1.4	0.5	3.8
Lemon & lime	1062.9	70.0	60.0	15.0	30.0	44.6	12.8	25.5	82.9
Maize	7876.8	75.0	80.0	20.0	10.0	472.6	94.5	47.3	614.4
Oat	64.9	60.0	70.0	40.0		2.7	1.6	0.0	4.3
Onion & shallots	305.8	60.0	80.0	55.0	30.0	14.7	10.1	7.3	32.1
Orange	3057.6	55.0	60.0	15.0	40.0	100.9	27.5	61.2	189.6
Pepper & chili	1559.8	60.0	85.0	50.0	40.0	79.5	46.8	37.4	163.7
Pineapple	11.6	90.0	130.0	80.0	120.0	1.4	0.8	1.3	3.5
Potato	62.5	90.0	120.0	100.0	80.0	6.8	5.6	4.0	16.4
Pulses (other)	153.0	50.0	40.0	40.0	20.0	3.1	3.1	1.2	7.4
Rice, paddy	1015.6	90.0	120.0	40.0		109.7	36.6	0.0	146.3
Safflower	123.1	80.0	75.0	10.0		7.4	1.0	0.0	8.4
Sesame	57.7	90.0	75.0	15.0		3.9	0.6	0.0	4.5
Sorghum	1953.1	60.0	80.0	30.0		93.7	29.3	0.0	123.0
Soybean	94.1	95.0	30.0	30.0		2.7	2.5	0.0	5.2
Sugar cane	630.6	90.0	100.0	45.0	40.0	56.8	25.5	20.2	102.5
Tobacco	31.9	80.0	80.0	50.0	60.0	0.0	1.3	1.5	2.8
Tomato	78.8	90.0	120.0	100.0	80.0	8.5	7.1	5.7	21.3
Vegetables* (other)	303.1		80.0	40.0	30.0	24.2	12.1	9.1	45.4
Wheat	768.8	80.0	130.0	40.0		80.0	24.6	0.0	104.6
Total	24521.1					1341.0	418.9	246.0	2005.9
1998 Overall consumption estimate (IFDC)						1336.0	295.0	173.3	1804.3
1998 Overall consumption estimate (FAO)						1336.0	295.0	173.3	1804.3

* relates to national average

Myanmar									
Commodity (PPI)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 2001	Rate (Kg/Ha)					Consumption (000Mt)			
Cassava	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coconut	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coffee	4.0	10.0	45.0	20.0	10.0	0.0	0.0	0.0	0.0
Fruits	286.0	20.0	45.0	20.0	10.0	2.6	0.9	0.4	3.9
Groundnut	530.0	10.0	10.0	5.0	0.0	0.5	0.3	0.0	0.8
Maize	205.0	30.0	35.0	10.0	0.0	2.2	4.0	0.0	2.6
Rice	6000.0	60.0	35.0	12.0	4.0	126.0	36.0	2.4	164.4
Rubber	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soybean	102.0	102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sugar cane	158.0	50.0	35.0	15.0	10.0	2.8	0.6	0.1	3.5
Tea	63.0	20.0	45.0	15.0	0.0	0.6	0.1	0.0	0.7
Tobacco	30.0	30.0	25.0	15.0	15.0	0.2	0.1	0.0	0.3
Vegetables	275.0	35.0	45.0	30.0	25.0	4.3	2.5	2.1	8.9
Total	7740.0					139.2	40.9	5.0	185.1
2001 Overall consumption estimate (PPI)						150.0	44.0	6.0	200.0

Nicaragua									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998	Rate (Kg/Ha)					Consumption (000Mt)			
Banana	1.9	70.0	150.0	60.0	80.0	0.2	0.1	0.1	0.4
Citrus fruits	14.9	60.0	60.0	30.0	40.0	0.5	0.3	0.1	0.9
Cocoa	1.5	50.0	30.0	30.0	30.0	0.0	0.0	0.0	0.0
Coffee	93.1	80.0	80.0	50.0	40.0	6.0	4.2	3.0	13.2
Dry beans	188.6	60.0	20.0	30.0	20.0	2.3	3.4	1.1	6.8
Maize	251.6	70.0	50.0	20.0	20.0	8.8	3.0	1.0	12.8
Oil Palm	2.0	80.0	80.0	40.0	60.0	0.1	0.0	0.1	0.2
Pineapple	3.1	60.0	80.0	80.0	80.0	0.1	0.2	0.1	0.4
Plantain	3.8	10.0	40.0	20.0		0.0	0.0	0.0	0.0
Potato	2.0	40.0	80.0	60.0		0.1	0.0	0.0	0.1
Rice, paddy	83.6	50.0	50.0	30.0	30.0	2.1	1.3	0.5	3.9
Sorghum	41.1	90.0	40.0	40.0	20.0	1.5	1.0	0.2	2.7
Soybean	18.1	40.0	15.0	50.0		0.1	0.4	0.0	0.5
Sugar cane	53.3	60.0	80.0	40.0	40.0	2.6	1.7	1.1	5.4
Tobacco	1.5	60.0	40.0	30.0		0.0	0.0	0.0	0.0
Vegetables*	11.3		60.0	60.0	40.0	0.7	0.7	0.5	1.9
Total	771.4					25.1	16.3	7.8	49.2
1998 Overall consumption estimate (IFDC)						21.3	9.0	7.7	38.0
1998 Overall consumption estimate (FAO)						21.3	9.0	7.7	38.0

* relates to national average

Paraguay									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Citrus fruits	19.4	60.0	60.0	30.0	40.0	0.7	0.3	0.2	1.2
Coffee	6.0	60.0	60.0	10.0	40.0	0.2	0.0	0.2	0.4
Cotton	110.7	10.0	40.0	30.0	30.0	0.4	0.3	0.3	1.0
Dry beans	73.9	60.0	20.0	30.0	20.0	0.9	1.3	0.4	2.6
Fruits (other)	18.7	60.0	60.0	30.0	80.0	0.7	0.3	0.9	1.9
Maize	384.1	30.0	30.0	30.0	30.0	3.5	3.5	3.5	10.5
Oil Palm	11.5	80.0	60.0	40.0	60.0	0.6	0.3	0.4	1.3
Pulses	81.6	50.0	20.0	30.0	30.0	0.8	0.7	0.5	2.0
Rice, paddy	40.5	50.0	50.0	40.0	40.0	1.0	0.6	0.3	1.9
Sorghum	41.1	90.0	40.0	30.0	30.0	1.5	0.4	0.4	2.3
Soybean	939.7	30.0	10.0	30.0	30.0	2.8	8.5	8.5	19.8
Sugar cane	57.8	50.0	60.0	40.0	40.0	1.7	1.4	1.2	4.3
Sunflower	47.9	70.0	40.0	60.0	80.0	1.3	2.3	3.1	6.7
Tobacco	7.8	60.0	30.0	30.0		0.1	0.1	0.0	0.2
Vegetables*	20.3		80.0	80.0	40.0	1.6	0.6	0.8	3.0
Wheat	200.7	40.0	40.0	50.0	30.0	3.2	4.0	2.4	9.6
Total	2061.7					21.0	24.6	23.1	68.7
1997 Overall consumption estimate (IFDC)						15.0	22.0	22.0	59.0
1997 Overall consumption estimate (FAO)						15.0	22.0	22.0	59.0

* relates to national average

Philippines									
Commodity (PPI)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 2001			Rate (Kg/Ha)			Consumption (000Mt)			
Cassava	221.0	30.0	25.0	15.0	10.0	1.7	0.7	0.1	2.5
Cocoa	15.0	50.0	85.0	45.0	45.0	0.6	0.3	0.2	1.1
Coconut	3077.0	30.0	20.0	15.0	10.0	18.5	9.2	6.2	33.9
Coffee	137.0	40.0	75.0	35.0	40.0	4.1	1.9	1.1	7.1
Fruits	943.0	50.0	75.0	35.0	40.0	35.4	11.8	18.9	66.1
Groundnut	27.0	20.0	40.0	30.0	20.0	0.2	0.2	0.1	0.5
Maize	2507.0	80.0	58.0	16.0	10.0	116.3	30.1	17.6	164.0
Oil Palm	15.0	80.0	75.0	25.0	70.0	0.9	0.2	0.7	1.8
Onion	10.0	40.0	60.0	40.0	20.0	0.2	0.1	0.0	0.3
Potato	5.0	80.0	85.0	55.0	45.0	0.3	0.2	0.1	0.6
Rice	4037.0	85.0	51.0	15.0	11.0	175.0	51.5	33.3	259.8
Rubber	91.0	40.0	25.0	15.0	80.0	0.9	0.4	0.2	1.5
Soybean	1.0	20.0	20.0	30.0	10.0	0.0	0.0	0.0	0.0
Sugar cane	375.0	80.0	85.0	55.0	30.0	25.5	12.4	4.5	42.4
Tobacco	44.0	80.0	75.0	20.0	55.0	2.6	0.6	1.7	4.9
Vegetables	560.0	60.0	85.0	25.0	50.0	28.6	8.9	14.0	51.5
Total	12065.0					410.8	128.5	98.7	638.0
2001 Overall consumption estimate (PPI)						420.0	130.0	100.0	650.0

Tanzania									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997	Rate (Kg/Ha)					Consumption (000Mt)			
Cassava	98.7	10.0	10.0	10.0		0.1	0.0	0.0	0.1
Coffee	110.0	20.0	10.0	10.0	10.0	0.2	0.1	0.1	0.4
Cotton	181.1	30.0	30.0	20.0	10.0	1.6	0.4	0.4	2.4
Maize	1564.0	10.0	80.0	40.0	5.0	12.5	6.3	0.8	19.6
Millet	353.7	10.0	20.0	10.0		0.7	0.2	0.0	0.9
Potato, sweet	310.0	5.0	10.0	20.0		0.2	0.3	0.0	0.5
Pulses	712.0	10.0	10.0	10.0		0.7	0.7	0.0	1.4
Rice	439.2	20.0	40.0	20.0		3.5	1.8	0.0	5.3
Sorghum	622.5	10.0	20.0	15.0	5.0	1.2	0.9	0.6	2.7
Tea	19.0	95.0	20.0	20.0	20.0	0.4	0.3	0.3	1.0
Tobacco	64.0	95.0	30.0	80.0	80.0	1.8	4.1	4.6	10.5
Vegetables*	176.6		10.0	10.0	10.0	1.8	1.8	1.8	5.4
Total	4650.8					24.7	16.9	8.6	50.2
1997 Overall consumption estimate (IFDC)						24.9	8.3	6.7	39.9
1997 Overall consumption estimate (FAO)						24.9	8.3	6.7	39.9

* relates to national average

Thailand									
Commodity (PPI)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 2001	Rate (Kg/Ha)					Consumption (000Mt)			
Cassava	1135.0	30.0	55.0	40.0	50.0	18.7	9.1	5.7	33.5
Cocoa	1.0	60.0	95.0	55.0	60.0	0.1	0.0	0.0	0.1
Coconut	333.0	12.0	55.0	35.0	25.0	2.2	0.8	0.6	3.6
Coffee	65.0	50.0	75.0	45.0	60.0	2.4	1.2	1.6	5.2
Fruits	662.0	70.0	110.0	70.0	100.0	51.0	27.8	39.7	118.5
Groundnut	95.0	70.0	15.0	30.0	20.0	1.0	1.9	4.3	7.2
Maize	1300.0	80.0	56.0	32.0	48.0	58.2	33.3	43.7	135.2
Oil Palm	204.0	98.0	105.0	35.0	170.0	21.0	7.0	34.0	62.0
Pepper	3.0	80.0	70.0	40.0	50.0	0.2	0.1	0.1	0.4
Rice	10048.0	90.0	62.0	33.0	17.0	560.7	298.0	102.5	961.6
Rubber	1520.0	75.0	30.0	15.0	25.0	34.2	17.1	28.5	79.8
Soybean	241.0	60.0	12.0	25.0	15.0	1.7	3.6	0.3	5.6
Sugar cane	923.0	95.0	70.0	55.0	65.0	61.4	20.3	18.0	99.7
Tea	19.0	80.0	75.0	30.0	40.0	1.1	0.5	0.4	2.0
Tobacco	52.0	85.0	75.0	30.0	40.0	3.3	1.2	1.0	5.5
Vegetables	331.0	80.0	125.0	40.0	105.0	33.1	10.6	24.3	68.0
Total	16932.0					850.3	432.9	304.7	1587.9
2001 Overall consumption estimate (PPI)						880.0	450.0	330.0	1660.0
1999 Overall consumption estimate (FAO)						1070.9	454.7	276.1	1801.7

Togo									
Commodity (IFDC)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Cassava	98.7	10.0	10.0	10.0		0.1	0.0	0.0	0.1
Coffee	15.0	60.0	30.0	20.0	10.0	0.3	0.2	0.1	0.6
Cotton	181.1	80.0	40.0	30.0	20.0	5.8	5.2	3.1	14.1
Groundnut	58.3	20.0	10.0	40.0		0.1	0.5	0.0	0.6
Maize	422.8	20.0	35.0	15.0	10.0	3.0	1.3	0.8	5.1
Millet	93.6	10.0	20.0	20.0		0.2	0.7	0.0	0.9
Oil Palm	1.5	20.0	30.0	30.0		0.0	0.0	0.0	0.0
Rice	51.7	20.0	50.0	20.0	20.0	0.5	0.8	0.2	1.5
Sorghum	206.4	20.0	20.0	15.0	5.0	0.8	0.6	0.2	1.6
Tobacco	4.0	20.0	30.0	10.0	15.0	0.0	0.0	0.0	0.0
Vegetables*	26.2		60.0	40.0	30.0	1.6	1.0	0.8	3.4
Total	1159.3					12.4	10.3	5.2	27.9
1997 Overall consumption estimate (IFDC)						6.0	5.4	5.4	16.8
1997 Overall consumption estimate (FAO)						6.0	5.4	5.4	16.8

* relates to national average

Turkey									
Commodity (Toros-IFA)	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1999			Rate (Kg/Ha)			Consumption (000Mt)			
Wheat	9457.0	88.3	64.6	29.8	0.5	610.8	281.4	5.1	897.3
Barley	3306.0	85.3	53.7	28.2		177.4	93.2	0.1	270.7
Maize	676.0	97.0	128.7	32.4	5.0	87.0	21.9	3.4	112.3
Cereals	380.0	71.2	65.8	26.3	3.4	25.0	10.0	1.3	36.3
Pulses	1301.0	71.5	26.2	18.3	3.2	34.1	23.8	4.1	62.0
Sunflower	591.0	97.9	92.4	37.6	4.7	54.6	22.2	2.8	79.6
Soybean	23.0	98.1	30.4	8.7		0.7	0.2		0.9
Sugar beet	424.0	96.1	109.4	64.2	35.1	46.4	27.2	14.9	88.5
Cotton	718.0	98.6	126.9	38.9	3.5	91.1	27.9	2.5	121.5
Tobacco	289.0	67.7	3.1	1.4	5.5	0.9	0.4	1.6	2.9
Potato	211.0	90.5	238.9	71.6	27.5	50.4	15.1	5.9	71.4
Vegetables	824.0	87.3	102.1	49.9	13.5	94.1	41.1	11.1	146.3
Citrus fruits	100.0	98.0	201.0	56.0	34.0	20.1	5.6	3.4	29.1
Hazelnut	535.0	88.2	92.5	19.4	2.8	49.5	10.4	1.5	61.4
Olive	623.0	53.9	46.5	15.3	6.2	24.9	8.2	3.3	36.4
Grape	705.0	51.9	42.4	19.9	9.9	29.9	14.0	7.0	50.9
Tea	77.0	94.2	214.2	39.0	71.4	16.5	3.0	5.5	25.0
Fodder crops	526.0	53.2	35.3	15.2	0.6	18.6	8.0	0.3	26.9
Others	1277.0	75.3	49.8	19.0	5.4	63.6	24.3	6.9	94.8
Total	22043.0					1495.6	637.9	80.7	2214.2
1999 Overall consumption estimate (IFA)						1484.0	637.9	80.6	2202.5
1999 Overall consumption estimate (FAO)						1484.0	637.9	80.6	2202.5

USA Commodity	Area (000Ha)	% Area Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Apples	189.2	80.0	60.0	40.0	60.0	9.1	3.0	5.7	17.8
Apricot	8.7	70.0	110.0	100.0	100.0	0.7	0.3	0.3	1.3
Artichoke	3.9	85.0	90.0	55.0	80.0	0.3	0.0	0.1	0.4
Asparagus	30.1	80.0	110.0	65.0	120.0	2.6	0.6	1.8	5.0
Avocado	26.6	95.0	140.0	80.0	85.0	3.5	1.0	1.1	5.6
Barley	2373.0	100.0	60.0	25.0	10.0	142.4	59.3	23.7	225.4
Cabbage	89.4	100.0	150.0	100.0	200.0	13.4	8.9	17.9	40.2
Carrot	54.5	100.0	200.0	135.0	130.0	10.9	7.4	5.7	24.0
Cauliflower	17.9	95.0	250.0	140.0	80.0	4.3	2.3	1.0	7.6
Cherry	23.2	85.0	100.0	40.0	80.0	2.0	0.4	0.7	3.1
Cotton	4323.6	90.0	120.0	60.0	85.0	466.9	155.6	147.0	769.5
Cranberry	14.8	95.0	85.0	80.0	80.0	1.2	1.0	1.1	3.3
Cucumber	64.8	95.0	130.0	100.0	130.0	8.0	5.5	8.0	21.5
Date	2.0	75.0	110.0	100.0		0.2	0.1	0.0	0.3
Dry beans	776.1	98.0	80.0	40.0	60.0	60.8	12.4	14.0	87.2
Eggplant	1.3	95.0	150.0	150.0	180.0	0.2	0.2	0.2	0.6
Fig	6.6	65.0	95.0	50.0	65.0	0.4	0.1	0.1	0.6
Garlic	15.4	95.0	80.0	80.0	120.0	1.2	1.2	1.8	4.2
Grape	346.5	85.0	75.0	65.0	120.0	22.1	6.8	16.6	45.5
Grapefruit	69.5	95.0	140.0	65.0	180.0	9.2	3.4	11.3	23.9
Green beans	21.3	65.0	60.0	30.0	60.0	0.8	0.2	0.4	1.4
Groundnut	593.7	80.0	30.0	50.0	80.0	14.2	23.7	38.0	75.9
Kiwi	2.1	85.0	90.0	65.0	115.0	0.2	0.0	0.0	0.2
Lemon & lime	26.5	95.0	140.0	50.0	30.0	3.5	0.4	0.2	4.1
Lentils	64.1	80.0	90.0	60.0	60.0	4.6	3.5	3.1	11.2
Lettuce	115.3	90.0	220.0	150.0	90.0	22.8	14.7	5.7	43.2
Maize	31205.0	100.0	150.0	70.0	90.0	4680.8	1965.9	2246.8	8893.5
Nectarine & peach	79.2	90.0	120.0	45.0	90.0	8.6	1.4	4.3	14.3
Oat	1115.0	100.0	50.0	20.0	10.0	55.8	22.3	11.2	89.3
Olive	14.3	80.0	80.0	50.0	60.0	0.9	0.1	0.1	1.1
Onion	69.3	95.0	210.0	150.0	150.0	13.8	9.9	7.3	31.0
Orange	335.1	95.0	180.0	50.0	200.0	57.3	8.4	53.6	119.3
Peach	70.5	90.0	100.0	50.0	90.0	6.3	1.4	3.8	11.5
Pears	26.8	90.0	120.0	50.0	65.0	2.9	0.4	0.5	3.8
Pineapple	8.5	80.0	100.0	80.0	120.0	0.7	0.6	0.9	2.2
Pistachio	27.9	100.0	100.0	90.0	90.0	2.8	2.4	2.5	7.7
Plum	52.4	75.0	110.0	35.0	65.0	4.3	0.4	0.9	5.6
Potato	561.6	95.0	220.0	200.0	150.0	117.4	112.3	75.8	305.5
Potato, sweet	33.9	100.0	150.0	180.0	120.0	5.1	6.1	3.7	14.9
Rapeseed	437.4	95.0	150.0	120.0	80.0	62.3	49.9	35.0	147.2
Raspberry	5.4	95.0	90.0	80.0	85.0	0.5	0.4	0.4	1.3
Rice, paddy	1318.0	95.0	150.0	60.0	60.0	187.8	31.6	31.6	251.0
Rye	169.2	100.0	40.0	10.0	10.0	6.8	1.7	1.7	10.2
Safflower seed	115.3	95.0	100.0	80.0	80.0	11.0	8.8	7.4	27.2
Sorghum	3125.0	90.0	100.0	40.0	40.0	281.3	75.0	25.0	381.3
Soybean	28506.8	70.0	30.0	60.0	95.0	598.6	513.1	947.9	2059.6
Spinach	14.4	100.0	120.0	100.0	90.0	1.7	1.2	0.8	3.7
Strawberry	18.3	95.0	180.0	120.0	120.0	3.1	2.0	2.0	7.1
Sugar beet	587.1	100.0	120.0	40.0	60.0	70.5	23.5	35.2	129.2
Sugar cane	383.3	100.0	100.0	40.0	220.0	38.3	15.3	84.3	137.9
Sunflower	1413.2	100.0	25.0	10.0	10.0	35.3	14.1	14.1	63.5
Tangerine	24.2	100.0	150.0	40.0	200.0	3.6	0.6	3.9	8.1
Tobacco	290.4	100.0	100.0	120.0	220.0	29.0	33.1	60.7	122.8
Tomato	170.6	100.0	250.0	195.0	300.0	42.7	29.9	46.1	118.7
Watermelon	68.6	95.0	140.0	195.0	140.0	9.1	12.0	7.7	28.8
Wheat (spring)	8100.0	90.0	80.0	40.0	30.0	583.2	259.2	72.9	915.3
Wheat (winter)	23878.0	90.0	70.0	40.0	40.0	1504.3	573.1	95.5	2172.9
Total	111484.8					9231.3	4088.1	4189.1	17508.5
1998 Overall consumption estimate (IFDC)						11281.5	3942.1	4550.3	19773.9
1998 Overall consumption estimate (FAO)						11281.5	3942.1	4550.3	19773.9

Uruguay	Area	% Area	Rate (Kg/Ha)			Consumption (000Mt)			
Commodity (IFDC)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Barley	72.8	100.0	60.0	70.0		4.4	5.1		
Citrus fruits	29.9	80.0	80.0	80.0	40.0	1.9	2.4	0.2	4.5
Dry beans	5.1	60.0	30.0	50.0	20.0	0.1	0.2	0.0	0.3
Fruits (other)	21.0	80.0	80.0	80.0	30.0	1.3	1.3	0.1	2.7
Grape	10.0	80.0	80.0	60.0	20.0	0.5	0.4	0.1	1.0
Grassland & Pasture	650.0	100.0	10.0	45.0		6.5	29.3	0.0	35.8
Maize	60.3	50.0	40.0	60.0	10.0	1.2	2.2	0.2	3.6
Oat	45.0	80.0	60.0	40.0	10.0	2.2	1.1	0.4	3.7
Potato	9.2	100.0	60.0	80.0	20.0	0.6	0.7	0.2	1.5
Pulses	6.4	60.0	20.0	80.0	20.0	0.1	0.3	0.1	0.5
Rice, paddy	180.2	100.0	80.0	80.0	20.0	14.4	14.4	3.6	32.4
Sorghum	27.1	100.0	60.0	60.0	10.0	1.6	1.6	0.3	3.5
Soybean	9.0	50.0	10.0	60.0	30.0	0.0	0.2	0.1	0.3
Sugar cane	3.1	100.0	150.0	80.0	120.0	0.5	0.2	0.4	1.1
Sunflower	81.0	80.0	60.0	60.0	40.0	3.9	3.9	1.3	9.1
Vegetables*	22.3		80.0	80.0	20.0	1.8	1.8	0.4	4.0
Wheat	193.3	100.0	60.0	80.0	20.0	11.6	15.5	3.5	30.6
Total	1425.7					52.6	80.6	10.9	134.6
1998 Overall consumption estimate (IFDC)						53.5	65.5	11.0	130.0
1998 Overall consumption estimate (FAO)						52.5	65.5	11.0	129.0

* relates to national average

Venezuela	Area	% Area	Rate (Kg/Ha)			Consumption (000Mt)			
Commodity (IFDC)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1997			Rate (Kg/Ha)			Consumption (000Mt)			
Banana	51.9	40.0	120.0	50.0	120.0	2.5	1.6	6.2	10.3
Citrus fruits	35.5	70.0	120.0	80.0	60.0	3.0	1.1	1.3	5.4
Cocoa	62.1	20.0	120.0	40.0	20.0	1.5	1.0	0.2	2.7
Coffee	179.4	60.0	200.0	60.0	80.0	21.5	4.3	2.9	28.7
Cotton	48.1	60.0	100.0	60.0	60.0	2.9	2.3	1.2	6.4
Dry beans	41.8	60.0	60.0	60.0	20.0	1.5	1.0	0.3	2.8
Maize	423.6	80.0	100.0	40.0	30.0	33.9	10.2	7.6	51.7
Oil Palm	28.1	85.0	60.0	40.0	100.0	1.4	0.9	2.2	4.5
Pasture	12000.0	5.0	50.0	20.0	40.0	30.0	4.8	9.6	44.4
Plantain	61.3	40.0	80.0	30.0	80.0	2.0	0.9	1.0	3.9
Potato	17.9	60.0	100.0	80.0	40.0	1.1	1.1	0.4	2.6
Pulses	47.8	40.0	60.0	80.0	60.0	1.1	2.7	1.1	4.9
Rice, paddy	172.9	90.0	150.0	60.0	40.0	23.3	8.3	6.2	37.8
Sesame	44.5	80.0	60.0	80.0	60.0	2.1	2.8	2.1	7.0
Sorghum	232.0	80.0	100.0	40.0	40.0	18.6	5.6	7.4	31.6
Soybean	2.2	60.0	20.0	40.0	60.0	0.0	0.0	0.1	0.1
Sugar cane	104.2	70.0	150.0	100.0	100.0	10.9	8.3	7.3	26.5
Sunflower	7.9	60.0	60.0	60.0	40.0	0.3	0.3	0.1	0.7
Tobacco	8.6	100.0	120.0	40.0	30.0	1.0	0.2	0.1	1.3
Tomato	12.5	100.0	150.0	80.0	40.0	1.9	0.7	0.4	3.0
Vegetables*	64.4		80.0	60.0	40.0	5.2	3.9	2.6	11.7
Wheat	1.3	60.0	80.0	40.0	20.0	0.1	0.0	0.0	0.1
Total	13648.0					165.8	62.0	60.3	288.1
1997 Overall consumption estimate (IFDC)						168.3	61.3	61.4	291.0
1997 Overall consumption estimate (FAO)						168.3	61.3	61.4	291.0

* relates to national average

Vietnam	Area	% Area	Rate (Kg/Ha)			Consumption (000Mt)			
Commodity (PPI)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL

Year 1999			Rate (Kg/Ha)			Consumption (000Mt)			
Cassava	227.0	70.0	60.0	45.0	10.0	9.9	6.9	0.5	17.3
Coconut	164.0	15.0	75.0	60.0	0.0	1.8	1.0	0.0	2.8
Coffee	360.0	90.0	175.0	80.0	165.0	59.9	25.9	53.5	139.3
Fruits	402.0	90.0	85.0	55.0	45.0	30.7	11.1	9.1	50.9
Groundnut	248.0	80.0	45.0	40.0	30.0	8.9	7.9	3.0	19.8
Maize	687.0	90.0	105.0	60.0	55.0	64.9	35.0	26.5	126.4
Onion	62.0	80.0	70.0	45.0	35.0	3.5	2.1	0.4	6.0
Pepper	18.0	95.0	190.0	75.0	145.0	3.3	1.2	2.1	6.6
Potato	28.0	85.0	95.0	65.0	55.0	2.3	1.4	0.7	4.4
Rice	7648.0	90.0	115.0	45.0	42.0	792.3	275.6	224.9	1292.8
Rubber	395.0	90.0	40.0	50.0	40.0	14.2	16.8	7.9	38.9
Soybean	129.0	80.0	45.0	40.0	25.0	4.6	4.1	1.3	10.0
Sugar cane	351.0	85.0	105.0	50.0	55.0	31.3	13.2	11.6	56.1
Tea	69.0	70.0	90.0	55.0	15.0	4.4	1.9	0.2	6.5
Tobacco	33.0	95.0	110.0	60.0	40.0	3.4	1.9	0.8	6.1
Vegetables	420.0	90.0	140.0	60.0	85.0	52.9	22.7	25.0	100.6
Total	11241.0					1088.6	428.7	367.5	1884.5
1999 Overall consumption estimate (PPI)						1121.0	433.0	380.0	1934.0
1999 Overall consumption estimate (FAO)						1121.3	433.3	380.0	1934.6

Zimbabwe	Area	% Area							
Commodity (FAO)	(000Ha)	Fertilized	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	TOTAL
Year 1998			Rate (Kg/Ha)			Consumption (000Mt)			
Cotton	313.3	70.0	33.0	6.0	6.0	7.2	1.3	1.3	9.8
Maize	1223.8	61.0	153.0	22.0	21.0	114.2	16.4	15.7	146.3
Sugar cane	60.5	100.0	6.0	1.0	2.0	0.4	0.1	0.1	0.6
Tobacco	91.9	100.0	35.0	33.0	55.0	3.2	3.0	5.1	11.3
Wheat	58.0	90.0	203.0	44.0	41.0	10.6	2.3	2.1	15.0
Total	1747.5					135.6	23.1	24.3	183.0
1998 Overall consumption estimate (FAO)						94.8	41.6	38.0	174.4

Albania								
Commodity (IFDC)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999		Average (Kg/Ha)			Consumption (000Mt)			
Alfalfa	10.5	20.0	10.0		0.2	0.1	0.0	0.3
Barley	1.6	20.0	10.0		0.0	0.0	0.0	0.0
Citrus fruits	0.5	10.0	10.0		0.0	0.0	0.0	0.0
Potato	11.4	30.0	30.0	10.0	0.3	0.3	0.1	0.7
Rye	2.2	40.0	5.0		0.1	0.0	0.0	0.1
Sunflower	1.6	40.0	30.0		0.1	0.0	0.0	0.1
Tobacco	6.7	15.0	10.0		0.1	0.1	0.0	0.2
Tomato	5.3	40.0	40.0		0.2	0.2	0.0	0.4
Vegetables	34.3	20.0	50.0		0.7	1.7	0.0	2.4
Wheat	109.0	50.0	22.0		5.5	2.4	0.0	7.9
Total	183.1				7.2	4.8	0.1	12.1
1999 Overall consumption estimate (IFDC)					6.0	5.0	0.1	11.1
1999 Overall consumption estimate (FAO)					6.0	5.0	0.1	11.1

Australia								
Commodity (FIFA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 2000		Average (Kg/Ha)			Consumption (000Mt)			
Cereals	16357.0	42.9	30.0	3.9	701.7	490.7	63.8	1256.2
Cotton	462.0	121.2	19.8	12.4	56.0	9.1	5.7	70.8
Horticulture	378.0	187.8	224.3	272.8	71.0	84.8	103.1	258.9
Oilseeds	4298.0	12.8	22.9	3.2	55.0	98.4	13.8	167.2
Pasture	30000.0	2.5	12.1	4.8	75.0	363.0	144.0	582.0
Sugar cane	419.0	229.1	65.6	164.1	96.0	27.5	68.8	192.3
Total	51914.0				1054.7	1073.5	399.2	2527.4
2000 Overall consumption estimate (IFA)					943.0	1083.0	224.0	2250.0
1999 Overall consumption estimate (FAO)					1089.0	987.6	226.5	2303.1

Austria								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	245.0	98.0	25.0	22.0	24.0	6.0	5.0	35.0
Fodder (legumes)	18.0		17.0	17.0		0.0	0.0	0.0
Fodder (other)	109.0	48.0	27.0	30.0	5.0	3.0	3.0	11.0
Grain Maize, including CCM	175.0	120.0	56.0	68.0	21.0	10.0	12.0	43.0
Grassland (fertilized)	315.0	33.0	27.0	22.0	10.0	9.0	7.0	26.0
Maize, silage	80.0	103.0	58.0	58.0	8.0	5.0	5.0	18.0
Oilseed rape	55.0	130.0	58.0	80.0	7.0	3.0	4.0	14.0
Other (including Tobacco)	23.0	55.0	30.0	36.0	1.0	1.0	1.0	3.0
Permanent Crops (fruit, vineyard)	68.0	34.0	18.0	18.0	2.0	1.0	1.0	4.0
Potato	22.0	110.0	55.0	132.0	2.0	1.0	3.0	6.0
Pulses (pea, bean)	55.0	2.0	7.0	18.0	0.0	0.0	1.0	1.0
Rye, oat, rice	113.0	69.0	22.0	20.0	8.0	2.0	2.0	12.0
Set-aside, industrial crops	7.0	70.0	25.0	25.0	0.0	0.0	0.0	0.0
Sugar beet	49.0	85.0	52.0	112.0	4.0	3.0	5.0	12.0
Sunflower, soya, linseed	45.0	45.0	35.0	33.0	2.0	2.0	1.0	5.0
Vegetables	11.0	108.0	60.0	120.0	1.0	1.0	1.0	3.0
Wheat	260.0	115.0	27.0	26.0	30.0	7.0	7.0	44.0
Total	1650.0				125.0	54.0	58.0	237.0
1999/2000 Overall consumption estimate (EFMA)					128.0	53.0	60.0	241.0
1999 Overall consumption estimate (FAO)					128.0	55.0	60.0	243.0

Azerbaijan								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1998		Average (Kg/Ha)			Consumption (000Mt)			
Cotton	136.4	21.0	10.5	5.0	2.9	1.4	0.7	5.0
Fruits	105.2	9.5	11.0	6.0	1.0	1.2	0.6	2.8
Maize	3.9	11.0	11.0	6.0	0.0	0.0	0.0	0.1
Pasture & Fodder	53.8	6.0	9.0	6.0	0.3	0.5	0.3	1.1
Potato	1.5	9.0	10.0	8.0	0.0	0.0	0.0	0.0
Rice	1.8					0.0	0.0	0.0
Sugar beet	1.5	9.0	10.0	7.5	0.0	0.0	0.0	0.0
Tea	6.6	13.0	9.5	7.5	0.1	0.1	0.0	0.2
Tobacco	6.4	9.0	10.5	5.5	0.1	0.1	0.0	0.2
Vegetables	6.1	5.0	10.0	5.5	0.0	0.1	0.0	0.1
Wheat	319.1	10.5	10.5	5.0	3.4	3.4	1.6	8.3
Total	642.3				7.8	6.7	3.4	17.9
1998 Overall consumption estimate (FAO)					13.0	2.8	0.0	15.8

Bangladesh								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1998		Average (Kg/Ha)			Consumption (000Mt)			
Banana	38.9	60.0	15.0	12.0	2.3	0.6	0.5	3.4
Cotton	42.6	70.0	47.0	51.0	3.0	2.0	2.2	7.2
Groundnut	580.0	50.0	15.0	8.0	29.0	8.7	4.6	42.3
Jute	525.0	92.0	23.0	54.0	48.3	12.1	28.4	88.8
Maize	24.0	30.0	10.0	8.0	0.7	0.2	0.2	1.1
Pineapple	13.8	40.0	12.0	10.0	0.6	0.2	0.1	0.9
Pulses	625.0	5.0	2.0		3.1	1.3		4.4
Rice	10117.0	72.0	15.0	10.0	728.4	151.8	101.2	981.4
Sugar cane	172.0	85.0	69.0	72.0	14.6	11.9	12.4	38.9
Wheat	882.0	45.0	10.0	8.0	39.7	8.8	7.1	55.6
Yam	142.0	75.0	20.0	15.0	10.7	2.8	2.1	15.6
Total	13162.3				880.4	200.4	158.8	1239.6
1998 Overall consumption estimate (FAO)					882.5	161.4	126.6	1170.5

Belarus								
Commodity (FOURTH EDITION)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1996		Average (Kg/Ha)			Consumption (000Mt)			
Cereals	2447.0	47.0	20.0	69.0	115.0	48.9	168.8	332.7
Pasture	2405.0	40.0	3.0	36.0	96.2	7.2	86.6	190.0
Potato	26.0	41.0	40.0	113.0	1.1	1.0	2.9	5.0
Sugar beet	45.0	90.0	40.0	122.0	4.1	1.8	5.5	11.4
Total	4923.0				216.4	58.9	263.8	539.1
1996 Overall consumption estimate (FAO)					260.0	95.0	422.0	777.0

Belgium								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	50.0	100.0	25.0	40.0	5.0	1.0	2.0	8.0
Fodder (legumes)	11.0	15.0	10.0	70.0	0.0	0.0	1.0	1.0
Fodder (other)	22.0	80.0	10.0	50.0	2.0	0.0	1.0	3.0
Grain Maize, including CCM	35.0	65.0	30.0	40.0	2.0	1.0	1.0	4.0
Grassland (fertilized)	540.0	144.0	35.0	58.0	78.0	19.0	31.0	128.0
Maize, silage	185.0	80.0	30.0	55.0	15.0	6.0	10.0	31.0
Oilseed (rape)	15.0	150.0	50.0	150.0	2.0	1.0	2.0	5.0
Other (including tobacco)	10.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0
Permanent Crops (fruit, vineyard)	18.0	50.0	30.0	58.0	1.0	1.0	1.0	3.0
Potato	59.0	155.0	50.0	145.0	9.0	3.0	9.0	21.0
Pulses (pea, bean)	4.0	20.0	50.0	70.0	0.0	0.0	0.0	0.0
Rye, oat, rice	30.0	90.0	20.0	40.0	3.0	1.0	1.0	5.0
Set-aside, industrial crops	1.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0
Sugar beet	98.0	110.0	50.0	155.0	11.0	5.0	15.0	31.0
Sunflower, soya, linseed	16.0	20.0	30.0	65.0	0.0	0.0	1.0	1.0
Vegetables	38.0	110.0	50.0	80.0	4.0	2.0	3.0	9.0
Wheat	220.0	155.0	25.0	40.0	34.0	6.0	9.0	49.0
Total	1352.0				166.0	46.0	87.0	299.0
1999/2000 Overall consumption estimate (EFMA)					166.0	45.0	88.0	299.0
1999 Overall consumption estimate (FAO)					166.0	45.0	88.0	299.0

Canada								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total

Year 2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	5081.1	67.0	26.0	10.0	306.4	99.1	20.3	425.8
Flax	594.9	75.0	20.0	15.0	42.4	10.7	8.0	61.1
Maize & Corn	1111.1	156.0	52.0	95.0	164.7	52.0	95.0	311.7
Oat	1819.6	50.0	20.0	6.0	68.2	27.3	4.4	99.9
Other	10068.5	40.0	25.0	15.0	161.1	88.1	45.3	294.5
Potato	126.0	225.0	130.0	80.0	26.9	15.6	9.6	52.1
Rapeseed & Canola	4894.6	75.0	20.0	15.0	359.8	93.0	69.7	522.5
Rye	150.0	50.0	20.0	10.0	5.6	2.3	0.6	8.5
Soybean	1066.5	25.0	50.0	85.0	5.3	13.3	22.7	41.3
Wheat	11162.0	50.0	26.0	6.0	502.3	217.7	26.8	746.8
Total	36074.3				1642.7	619.1	302.4	2564.2
2000 Overall consumption estimate (IFA)					1580.0	635.0	325.0	2540.0
2000 Overall consumption estimate (CFI)					1682.1	667.9	339.3	2689.3

China, Taiwan								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1997		Average (Kg/Ha)			Consumption (000Mt)			
Cabbage	9.0	275.0	80.0	150.0	2.5	0.7	1.4	4.5
Cantaloupe	8.0	150.0	200.0	200.0	1.2	1.6	1.6	4.4
Garlic	9.0	250.0	100.0	150.0	2.3	0.9	1.4	4.5
Grape	5.0	140.0	125.0	145.0	0.7	0.6	0.7	2.1
Groundnut	34.0	30.0	50.0	60.0	1.0	1.7	2.0	4.8
Maize	73.0	140.0	80.0	65.0	10.2	5.8	4.7	20.8
Potato, sweet	11.0	55.0	45.0	150.0	0.6	0.5	1.7	2.8
Rice	348.0	115.0	40.0	50.0	40.0	13.9	17.4	71.3
Sorghum	13.0	125.0	55.0	60.0	1.6	0.7	0.8	3.1
Sugar cane	57.0	210.0	75.0	100.0	12.0	4.3	5.7	21.9
Tea	21.0	260.0	90.0	100.0	5.5	1.9	2.1	9.5
Watermelon	20.0	210.0	180.0	220.0	4.2	3.6	4.4	12.2
Total	608.0				81.7	36.3	43.8	161.9
1997 Overall consumption estimate (IFA)					284.7	77.0	106.0	467.7

Croatia								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999		Average (Kg/Ha)			Consumption (000Mt)			
Alfalfa	43.1	60.3	44.1	65.0	2.6	1.9	2.8	7.3
Barley	44.9	29.0	49.0	29.0	1.3	2.2	1.3	4.9
Cabbage	9.7	103.1	51.5	41.2	1.0	0.5	0.4	1.9
Carrot	3.3	121.2	60.6	60.6	0.4	0.2	0.2	0.8
Clover	36.5	79.5	41.1	79.5	2.9	1.5	2.9	7.3
Cow cabbage	1.2	83.3	83.3	83.3	0.1	0.1	0.1	0.3
Cucumber	4.1	146.3	48.8	48.8	0.6	0.2	0.2	1.1
Dry beans	6.6	45.5	60.6	45.5	0.3	0.4	0.3	1.0
Fodder (beet)	6.1	114.8	49.2	65.6	0.7	0.3	0.4	1.5
Fodder (other)	19.6	112.2	40.8	91.8	2.2	0.8	1.8	4.7
Garlic	2.7	111.1	37.0	74.1	0.3	0.1	0.2	0.6
Grape	59.1	79.5	40.6	59.2	4.7	2.4	3.5	10.6
Maize	385.7	100.1	35.0	35.0	38.6	13.5	13.5	65.6
Maize, green	16.9	118.3	47.3	59.2	2.0	0.8	1.0	3.8
Oat	24.1	29.0	41.5	29.0	0.7	1.0	0.7	2.4
Olive	15.4	58.4	45.5	58.4	0.9	0.7	0.9	2.5
Onion	6.8	117.6	44.1	58.8	0.8	0.3	0.4	1.5
Pea, dry	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Pea, green	3.2	156.3	62.5	62.5	0.5	0.2	0.2	0.9
Pepper, green	4.8	104.2	62.5	62.5	0.5	0.3	0.3	1.1
Potato	66.4	69.3	34.6	45.2	4.6	2.3	3.0	10.0
Rapeseed	16.4	79.3	54.9	67.1	1.3	0.9	1.1	3.3
Rye	2.5	40.0	80.0	40.0	0.1	0.2	0.1	0.4
Soybean	46.5	30.1	45.2	60.2	1.4	2.1	2.8	6.3
Sugar beet	28.0	100.0	60.7	78.6	2.8	1.7	2.2	6.7
Sunflower	42.3	80.4	40.2	49.6	3.4	1.7	2.1	7.2
Tobacco	6.5	15.4	61.5	76.9	0.1	0.4	0.5	1.0
Tomato	6.4	125.0	46.9	62.5	0.8	0.3	0.4	1.5
Watermelon	2.9	172.4	69.0	103.4	0.5	0.2	0.3	1.0
Wheat	169.8	104.8	34.7	34.7	17.8	5.9	5.9	29.7
Total	1082.2				93.9	43.1	49.5	187.0
1999 Overall consumption estimate (IFA)					99.4	43.8	51.0	194.2
1999 Overall consumption estimate (FAO)					104.9	43.7	51.0	199.6

Czech Rep								
Commodity (IPI)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 2000		Average (Kg/Ha)			Consumption (000Mt)			
Alfalfa	68.0	6.0	6.0	5.0	0.4	0.4	0.3	1.2
Barley (spring)	230.0	56.0	16.0	12.0	12.9	3.7	2.8	19.3
Barley (winter)	168.0	80.0	13.0	7.0	13.4	2.2	1.2	16.8
Clover	105.0	1.0	1.0	2.0	0.1	0.1	0.2	0.4
Fibre flax	6.0	20.0	23.0	22.0	0.1	0.1	0.1	0.4
Field vegetables	1.0	109.0	78.0	139.0	0.1	0.1	0.1	0.3
Fodder beet	2.0	89.0	60.0	1.0	0.2	0.1	0.0	0.3
Fodder, perennial (other)	80.0	30.0	2.0	2.0	2.4	0.2	0.2	2.7
Grassland	517.0	18.0			9.3	0.0	0.0	9.3
Green fodder, annual (other)	44.0	37.0	14.0	7.0	1.6	0.6	0.3	2.6
Hop	8.0	128.0	42.0	47.0	1.0	0.3	0.4	1.7
Maize (for corn)	11.0	83.0	22.0	24.0	0.9	0.2	0.3	1.4
Maize, silage	263.0	103.0	22.0	13.0	27.1	5.8	3.4	36.3
Mustard	13.0	57.0	6.0	6.0	0.7	0.1	0.1	0.9
Oat	26.0	43.0	7.0	4.0	1.1	0.2	0.1	1.4
Orchards	7.0	5.0	15.0	4.0	0.0	0.1	0.0	0.2
Pasture	214.0	4.0			0.9	0.0	0.0	0.9
Pea	32.0	10.0	15.0	23.0	0.3	0.5	0.7	1.5
Poppy	49.0	48.0	13.0	17.0	2.4	0.6	0.8	3.8
Potato (early)	2.0	76.0	66.0	30.0	0.2	0.1	0.1	0.3
Potato (for starch industry)	4.0	110.0	81.0	19.0	0.4	0.3	0.1	0.8
Potato (ware)	35.0	95.0	55.0	63.0	3.3	1.9	2.2	7.5
Rapeseed	334.0	147.0	19.0	12.0	49.1	6.3	4.0	59.5
Rye	51.0	70.0	7.0	4.0	3.6	0.4	0.2	4.1
Sugar beet	52.0	90.0	29.0	56.0	4.7	1.5	2.9	9.1
Sunflower seed	8.0	59.0	5.0	4.0	0.5	0.0	0.0	0.5
Triticale	37.0	70.0	8.0	3.0	2.6	0.3	0.1	3.0
Vineyard	1.0		65.0	100.0	0.0	0.1	0.1	0.2
Wheat (spring)	40.0	68.0	10.0	8.0	2.7	0.4	0.3	3.4
Wheat (winter)	725.0	106.0	17.0	13.0	76.9	12.3	9.4	98.6
Other crops	12.0	41.0	13.0	12.0	0.5	0.2	0.1	0.8
Total	3145.0				219.4	39.2	30.7	289.3
2000 Overall consumption estimate (IFA)					235.7	43.3	24.7	303.7
1999 Overall consumption estimate (FAO)					209.6	35.4	24.0	269.0

Denmark								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	826.0	78.0	16.0	30.0	64.0	13.0	25.0	102.0
Fodder (legumes)	228.0	110.0	10.0	65.0	25.0	2.0	15.0	42.0
Fodder (other)	60.0	150.0	22.0	75.0	9.0	1.0	5.0	15.0
Grassland (fertilized)	100.0	130.0	15.0	30.0	13.0	2.0	3.0	18.0
Maize, silage	59.0	30.0	25.0	10.0	2.0	1.0	1.0	4.0
Oilseed rape	77.0	100.0	16.0	48.0	8.0	1.0	4.0	13.0
Other (including tobacco)	82.0	95.0	16.0	35.0	8.0	1.0	3.0	12.0
Potato	40.0	120.0	35.0	83.0	5.0	1.0	3.0	9.0
Pulses (pea, bean)	53.0		16.0	55.0		1.0	3.0	4.0
Rye, oat, rice	159.0	80.0	13.0	32.0	13.0	2.0	5.0	20.0
Set-aside, industrial crops	24.0	40.0			1.0			1.0
Sugar beet	58.0	100.0	35.0	70.0	6.0	2.0	4.0	12.0
Sunflower, soya, linseed	6.0	70.0	10.0	45.0	0.0	0.0	0.0	0.0
Vegetables	21.0	140.0	40.0	100.0	3.0	1.0	2.0	6.0
Wheat	639.0	150.0	17.0	40.0	96.0	11.0	26.0	133.0
Total	2432.0				253.0	39.0	99.0	391.0
1999/2000 Overall consumption estimate (EFMA)					253.0	41.0	98.0	392.0
1999 Overall consumption estimate (FAO)					252.0	41.0	98.0	391.0

El Salvador								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1998/99		Average (Kg/Ha)			Consumption (000Mt)			
Banana	1.7	72.0		7.9	0.1	0.0	0.0	0.1
Beans	78.0	13.5	60.7		1.1	4.7	0.0	5.8
Cabbage	0.9	263.0		94.1	0.2	0.0	0.1	0.3
Coconut	5.6			3.3	0.0	0.0	0.0	0.0
Coffee	162.1	50.6	84.0	17.4	8.2	13.6	2.8	24.6
Maize	295.1	76.0	33.0		22.4	9.7	0.0	32.2
Orange	5.1	178.0	86.0	32.2	0.9	0.4	0.2	1.5
Plantain	2.2	145.0	40.0	10.2	0.3	0.1	0.0	0.4
Potato	0.6	43.0	40.0	4.0	0.0	0.0	0.0	0.1
Rice	10.3	89.7	66.0		0.9	0.7	0.0	1.6
Sesame	12.6	92.0	16.0	4.6	1.2	0.2	0.1	1.4
Sugar cane	72.7	133.4	49.0	14.8	9.7	3.6	1.1	14.3
Tomato	1.2	237.0	158.0	98.7	0.3	0.2	0.1	0.6
Watermelon	2.2	82.0	132.0	30.3	0.2	0.3	0.1	0.5
Total	650.3				45.5	33.6	4.4	83.6
1998 Overall consumption estimate (FAO)					56.8	16.0	9.8	84.2

Ethiopia								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1995		Average (Kg/Ha)			Consumption (000Mt)			
Barley	880.0	8.5	17.0		7.5	15.0	0.0	22.5
Coffee	350.0	1.4	1.4		0.5	0.5	0.0	1.0
Ensete	130.0	3.8	7.7		0.5	1.0	0.0	1.5
Maize	1100.0	6.8	13.6		7.5	15.0	0.0	22.5
Oils crops & Nuts	385.0	2.6	5.2		1.0	2.0	0.0	3.0
Pulses	880.0	1.1	2.8		1.0	2.5		3.5
Teff	1900.0	12.1	23.7		23.0	45.0	0.0	68.0
Wheat	770.0	13.0	26.0		10.0	20.0	0.0	30.0
Total	6395.0				51.0	101.0	0.0	152.0
1995 Overall consumption estimate (IFA)					45.5	88.8	0.0	134.3
1995 Overall consumption estimate (FAO)					19.0	3.8	0.0	22.8

Fiji								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1994		Average (Kg/Ha)			Consumption (000Mt)			
Cocoa	2.0	70.0	60.0	120.0	0.1	0.1	0.2	0.4
Coconut	60.0	20.0	0.0	70.0	1.2	0.0	4.2	5.4
Rice	15.0	60.0	30.0	70.0	0.9	0.5	1.1	2.5
Sugar cane	75.0	100.0	40.0	81.0	7.5	3.0	6.1	16.6
Total	152.0				9.7	3.6	11.6	24.9
1994 Overall consumption estimate (FAO)					9.0	3.0	6.0	18.0

Finland								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	620.0	72.0	21.0	27.0	45.0	13.0	17.0	75.0
Grassland (fertilized)	660.0	113.0	25.0	59.0	75.0	17.0	39.0	131.0
Oilseed rape	60.0	80.0	30.0	30.0	5.0	2.0	2.0	9.0
Other (including tobacco)	10.0	40.0	30.0	50.0	0.0	0.0	1.0	1.0
Permanent Crops (fruits, vineyard)	3.0	40.0	50.0	80.0	0.0	0.0	0.0	0.0
Potato	32.0	70.0	115.0	100.0	2.0	4.0	3.0	9.0
Pulses (pea, bean)	5.0	40.0	25.0	30.0	0.0	0.0	0.0	0.0
Rye, oat, rice	420.0	70.0	23.0	27.0	29.0	11.0	50.0	90.0
Sugar beet	35.0	120.0	80.0	70.0	4.0	3.0	2.0	9.0
Vegetables	15.0	80.0	80.0	100.0	1.0	1.0	2.0	4.0
Wheat	150.0	85.0	24.0	30.0	13.0	4.0	5.0	22.0
Total	2010.0				174.0	55.0	121.0	350.0
1999/2000 Overall consumption estimate (EFMA)					176.0	53.0	82.0	311.0
1999 Overall consumption estimate (FAO)					176.0	53.0	82.0	311.0

France								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	1546.0	120.0	48.0	25.0	186.0	74.0	39.0	299.0
Fodder (legumes)	448.0		50.0	75.0		22.0	34.0	56.0
Fodder (other)	50.0	52.0	27.0	30.0	3.0	1.0	2.0	6.0
Grain maize (including CCM)	1808.0	170.0	59.0	36.0	307.0	107.0	65.0	479.0
Grassland, fertilized	10270.0	68.0	25.0	48.0	698.0	257.0	493.0	1448.0
Maize, silage	1403.0	46.0	22.0	30.0	65.0	31.0	42.0	138.0
Oilseed rape	1050.0	155.0	45.0	80.0	163.0	47.0	84.0	294.0
Permanent Crops (fruits, vineyard)	300.0	50.0	20.0	40.0	15.0	6.0	12.0	33.0
Potato	1130.0	35.0	30.0	40.0	40.0	34.0	45.0	119.0
Pulses (pea, beans)	150.0	150.0	85.0	180.0	23.0	13.0	27.0	63.0
Rye, oat, rice	481.0		40.0	80.0		19.0	38.0	57.0
Set-aside, industrial crops	460.0	110.0	48.0	35.0	22.0	16.0	89.0	127.0
Sugar beet	190.0	145.0	38.0	35.0	28.0	7.0	7.0	42.0
Sunflower, soya, linseed	426.0	130.0	80.0	180.0	55.0	34.0	77.0	166.0
Vegetables	1100.0	45.0	40.0	80.0	50.0	44.0	88.0	182.0
Wheat	320.0	80.0	80.0	70.0	26.0	26.0	22.0	74.0
Other (including tobacco)	5229.0	165.0	43.0	24.0	863.0	225.0	125.0	1213.0
Total	26361.0				2544.0	963.0	1289.0	4796.0
1999/2000 Overall consumption estimate (EFMA)					2570.0	969.0	1216.0	4755.0
1999 Overall consumption estimate (FAO)					2571.0	966.0	1216.0	4753.0

Germany								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	2050.0	150.0	30.0	32.0	308.0	62.0	66.0	436.0
Fodder (legumes)	225.0	30.0	30.0	50.0	7.0	7.0	11.0	25.0
Fodder (other)	260.0	150.0	35.0	50.0	39.0	9.0	13.0	61.0
Grain maize, including CCM	350.0	150.0	50.0	90.0	53.0	18.0	32.0	103.0
Grassland (fertilized)	5010.0	102.0	7.0	9.0	511.0	35.0	45.0	591.0
Maize, silage	1190.0	85.0	30.0	30.0	101.0	36.0	36.0	173.0
Oilseed rape	739.0	170.0	45.0	90.0	126.0	33.0	67.0	226.0
Other (including tobacco)	120.0	80.0	30.0	55.0	10.0	4.0	7.0	21.0
Permanent Crops (fruit, vineyard)	227.0	40.0	25.0	60.0	9.0	6.0	14.0	29.0
Potato	285.0	140.0	70.0	170.0	40.0	20.0	48.0	108.0
Pulses (peas, beans)	190.0	25.0	30.0	45.0	5.0	6.0	9.0	20.0
Rye, oat, rice	1554.0	115.0	25.0	30.0	179.0	39.0	47.0	265.0
Set-aside, industrial crops	350.0	100.0	35.0	40.0	35.0	12.0	14.0	61.0
Sugar beet	457.0	145.0	70.0	155.0	66.0	32.0	71.0	169.0
Sunflower, soya, linseed	192.0	50.0	30.0	40.0	10.0	6.0	8.0	24.0
Vegetables	107.0	165.0	40.0	140.0	18.0	4.0	15.0	37.0
Wheat	2921.0	165.0	30.0	40.0	482.0	88.0	117.0	687.0
Total	16227.0				1999.0	417.0	620.0	3036.0
1999/2000 Overall consumption estimate (EFMA)					1996.0	415.0	617.0	3027.0
1999 Overall consumption estimate (FAO)					2014.4	420.3	599.2	3033.9

Greece								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	130.0	75.0	18.0		10.0	2.0		12.0
Grain maize, including CCM	210.0	190.0	45.0	5.0	40.0	9.0	1.0	50.0
Grassland (fertilized)	75.0	40.0	20.0	5.0	3.0	2.0	0.0	5.0
Maize, silage	7.0	80.0	50.0		1.0	0.0		1.0
Other (including tobacco)	490.0	130.0	50.0	35.0	64.0	25.0	17.0	106.0
Permanent Crops (fruit, vineyard)	1095.0	57.0	34.0	9.0	62.0	37.0	10.0	109.0
Potato	50.0	200.0	115.0	120.0	10.0	6.0	6.0	22.0
Pulses (pea, bean)	28.0	40.0	20.0	15.0	1.0	1.0	0.0	2.0
Rye, oat, rice	85.0	85.0	33.0	5.0	7.0	3.0	0.0	10.0
Sugar beet	40.0	140.0	65.0	50.0	6.0	3.0	2.0	11.0
Sunflower, soya, linseed	32.0	50.0	30.0	15.0	2.0	1.0	0.0	3.0
Vegetables	160.0	170.0	90.0	130.0	27.0	14.0	21.0	62.0
Wheat	840.0	70.0	20.0		59.0	17.0		76.0
Total	3242.0				292.0	120.0	57.0	469.0
1999/2000 Overall consumption estimate (EFMA)					291.0	119.0	59.0	469.0
1999 Overall consumption estimate (FAO)					298.0	120.0	60.0	478.0

Hungary								
Commodity (IPI)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Apple	99.0	54.0	24.0	42.0	5.3	2.4	4.2	11.9
Barley (summer)	40.0	51.0	10.0	15.0	2.0	0.4	0.6	3.0
Barley (winter)	333.0	74.0	19.0	21.0	24.6	6.3	7.0	38.0
Corn	120.0	115.0	20.0	24.0	13.8	2.4	2.9	19.1
Grape	99.0	28.0	9.0	33.0	2.8	0.9	3.3	6.9
Pea	58.0	54.0	25.0	23.0	3.1	1.5	1.3	5.9
Potato	56.0	133.0	71.0	183.0	7.4	4.0	10.2	21.7
Rapeseed	52.0	105.0	23.0	23.0	5.5	1.2	1.2	7.9
Soybean	18.0	52.0	19.0	21.0	0.9	0.3	0.4	1.7
Sugar beet	54.6	63.0	53.0	113.0	3.4	2.9	6.2	12.5
Sunflower	520.0	50.0	13.0	15.0	26.0	6.8	7.8	40.6
Wheat	734.0	103.0	30.0	27.0	75.6	22.0	19.8	117.4
Total	2183.6				170.6	51.0	64.8	286.5
1999/00 Overall consumption estimate (IFA)					320.6	48.6	63.4	432.6
1999 Overall consumption estimate (FAO)					300.0	40.0	47.0	387.0

Ireland								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	181.0	110.0	60.0	70.0	20.0	11.0	13.0	44.0
Fodder (other)	12.0	120.0	150.0	195.0	1.0	2.0	2.0	5.0
Grassland (fertilized)	2967.0	127.0	30.0	40.0	377.0	89.0	119.0	585.0
Oilseed rape	3.0	150.0	70.0	45.0	0.0	0.0	0.0	0.0
Potato	20.0	120.0	225.0	288.0	2.0	5.0	6.0	13.0
Pulses (pea, bean)	5.0		40.0	48.0		0.0	0.0	0.0
Rye, oat, rice	18.0	96.0	60.0	70.0	2.0	1.0	1.0	4.0
Sugar beet	33.0	180.0	130.0	245.0	6.0	4.0	8.0	18.0
Wheat	80.0	160.0	60.0	80.0	13.0	5.0	6.0	24.0
Total	3319.0				421.0	117.0	155.0	693.0
1999/2000 Overall consumption estimate (EFMA)					421.0	117.0	156.0	694.0
1999 Overall consumption estimate (FAO)					429.0	115.0	156.0	700.0

Israel								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1997		Average (Kg/Ha)			Consumption (000Mt)			
Almond	2.0	120.0	0.0	100.0	0.2	0.0	0.2	0.4
Apple & Pear	7.0	150.0	30.0	200.0	1.1	0.2	1.4	2.7
Avocado	7.0	180.0	30.0	300.0	1.3	0.2	2.1	3.6
Banana	2.0	500.0	100.0	800.0	1.0	0.2	1.6	2.8
Barley	10.0	50.0	0.0	0.0	0.5	0.0	0.0	0.5
Chickpea	8.0	0.0	60.0	0.0	0.0	0.5	0.0	0.5
Citrus fruits	23.0	200.0	30.0	200.0	4.6	0.7	4.6	9.9
Cotton	23.0	180.0	50.0	150.0	4.1	1.2	3.5	8.7
Crops (other)	30.0	120.0	50.0	100.0	3.6	1.5	3.0	8.1
Date	2.0	300.0	50.0	250.0	0.6	0.1	0.5	1.2
Grape	6.0	150.0	25.0	180.0	0.9	0.2	1.1	2.1
Groundnut	5.0	80.0	50.0	100.0	0.4	0.3	0.5	1.2
Horticulture	3.0	700.0	150.0	700.0	2.1	0.5	2.1	4.7
Maize	20.0	250.0	80.0	200.0	5.0	1.6	4.0	10.6
Mango	3.0	200.0	30.0	250.0	0.6	0.1	0.8	1.4
Olive	15.0	100.0	15.0	50.0	1.5	0.2	0.8	2.5
Peach & Plum	5.0	200.0	30.0	250.0	1.0	0.2	1.3	2.4
Potato	7.0	350.0	200.0	400.0	2.5	1.4	2.8	6.7
Vegetables	40.0	300.0	100.0	300.0	12.0	4.0	12.0	28.0
Wheat	70.0	90.0	20.0	0.0	6.3	1.4	0.0	7.7
Total	288.0				49.2	14.3	42.1	105.6
1997 Overall consumption estimate (IFA)					61.0	23.0	36.0	120.0
1997 Overall consumption estimate (FAO)					61.0	23.0	36.0	120.0

Italy								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	360.0	70.0	50.0	25.0	25.0	18.0	9.0	52.0
Fodder (legumes)	955.0	5.0			5.0			5.0
Fodder (other)	1377.0	10.0	5.0	5.0	14.0	7.0	7.0	28.0
Grain maize, including CCM	1200.0	184.0	80.0	35.0	221.0	96.0	42.0	359.0
Grassland (fertilized)	2400.0	15.0	5.0		36.0	12.0		48.0
Maize, silage	289.0	85.0			25.0			25.0
Oilseed rape	26.0	80.0	40.0	40.0	2.0	1.0	1.0	4.0
Other (including tobacco)	279.0	45.0	35.0	45.0	13.0	10.0	13.0	36.0
Permanent Crops (fruit, vineyard)	2686.0	58.0	40.0	55.0	156.0	107.0	148.0	411.0
Potato	90.0	110.0	70.0	80.0	10.0	6.0	7.0	23.0
Pulses (pea, bean)	58.0	30.0	40.0	40.0	2.0	2.0	2.0	6.0
Rye, oat, rice	395.0	95.0	70.0	35.0	38.0	28.0	14.0	80.0
Set-aside, industrial crops	48.0	20.0	5.0	5.0	1.0	0.0	0.0	1.0
Sugar beet	270.0	90.0	60.0	55.0	24.0	16.0	15.0	55.0
Sunflower, soya, linseed	472.0	40.0	50.0	40.0	19.0	24.0	19.0	62.0
Vegetables	470.0	110.0	70.0	75.0	52.0	33.0	35.0	120.0
Wheat	2300.0	82.0	60.0	35.0	189.0	138.0	81.0	408.0
Total	13675.0				832.0	498.0	393.0	1723.0
1999/2000 Overall consumption (EFMA)					829.0	498.0	392.0	1720.0
1999 Overall consumption estimate (FAO)					866.0	514.0	392.0	1772.0

Japan								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1998		Average (Kg/Ha)			Consumption (000Mt)			
Apple	48.3	104.0	87.0	65.0	5.0	4.2	3.1	12.3
Azuhi bean	46.7	30.0	120.0	80.0	1.4	5.6	3.7	10.7
Barley	49.3	77.0	72.0	64.0	3.8	3.5	3.2	10.5
Cereals (other)	41.6	34.0	73.0	69.0	1.4	3.0	2.9	7.3
Citrus fruits	64.2	191.0	172.0	146.0	12.3	11.0	9.4	32.7
Forestry	10.7	54.0	38.0	31.0	0.6	0.4	0.3	1.3
Fruits (other)	0.8	289.0	144.0	289.0	0.2	0.1	0.2	0.5
Grape	22.2	72.0	144.0	75.0	1.6	3.2	1.7	6.5
Groundnut	11.8	40.0	80.0	100.0	0.5	0.9	1.2	2.6
Maize	0.1	200.0	200.0	150.0				
Onion	26.7	218.0	435.0	192.0	5.8	11.6	5.1	22.5
Pasture & Fodder	965.2	106.0	106.0	106.0	102.3	102.3	102.3	306.9
Peach	11.9	121.0	117.0	93.0	1.4	1.4	1.1	3.9
Potato	99.9	110.0	174.0	109.0	11.0	17.4	10.9	39.3
Potato sweet	45.6	52.0	98.0	101.0	2.4	4.5	4.6	11.5
Pulses (other)	13.3	30.0	120.0	80.0	0.4	1.6	1.1	3.1
Radish	48.5	118.0	155.0	101.0	5.7	7.5	4.9	18.1
Rapeseed	0.6	118.0	216.0	107.0	0.1	0.1	0.1	0.3
Rice	1801.0	78.0	92.0	72.0	140.5	165.7	129.7	435.9
Roots & Tubers (other)	20.8	178.0	180.0	177.0	3.7	3.7	3.7	11.1
Rusk	4.7	576.0	302.0	473.0	2.7	1.4	2.2	6.3
Soybean	109.1	30.0	100.0	100.0	3.3	10.9	10.9	25.1
Strawberry	7.7	223.0	247.0	203.0	1.7	1.9	1.6	5.2
Sugar beet	70.2	176.0	324.0	160.0	12.4	22.7	11.2	46.3
Sugar cane	22.4	226.0	91.0	61.0	5.1	2.0	1.4	8.5
Tea	51.2	661.0	360.0	277.0	33.8	18.4	14.2	66.4
Tobacco	25.3	280.0	531.0	407.0	7.1	13.4	10.3	30.8
Tomato	13.6	243.0	301.0	226.0	3.3	4.1	3.1	10.5
Vegetables (other)	334.0	235.0	229.0	191.0	78.5	76.5	63.8	218.8
Wheat	162.2	117.0	93.0	74.0	19.0	15.1	12.0	46.1
Yam	8.9	270.0	373.0	292.0	2.4	3.3	2.6	8.3
Others	18.3	313.0	207.0	202.0	5.7	3.8	3.7	13.2
Total	4156.8				475.1	521.2	426.2	1422.5
1998 Overall consumption estimate (FAO)					476.0	561.3	381.3	1418.6

Korea Republic								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1996		Average (Kg/Ha)			Consumption (000Mt)			
Apple	44.0	68.0	34.0	52.0	3.0	1.5	2.3	6.8
Barley	95.0	120.0	110.0	70.0	11.4	10.5	6.7	28.5
Cabbage (chinese)	54.0	320.0	78.0	198.0	17.3	4.2	10.7	32.2
Cereals (other)	27.0	180.0	150.0	150.0	4.9	4.1	4.1	13.0
Fruits (other)	85.0	120.0	63.0	105.0	10.2	5.4	8.9	24.5
Garlic	42.0	250.0	77.0	128.0	10.5	3.2	5.4	19.1
Orange	25.0	209.0	323.0	209.0	5.2	8.1	5.2	18.5
Others	246.0	123.0	135.0	105.0	30.3	33.2	25.8	89.3
Pepper, red	96.0	190.0	112.0	149.0	18.2	10.8	14.3	43.3
Potato	32.0	100.0	88.0	130.0	3.2	2.8	4.2	10.2
Potato, sweet	16.0	55.0	63.0	156.0	0.9	1.0	2.5	4.4
Pulses	122.0	40.0	70.0	60.0	4.9	8.5	7.3	20.7
Radish	45.0	280.0	59.0	154.0	12.6	2.7	6.9	22.2
Rice	1050.0	110.0	70.0	80.0	115.5	73.5	84.0	273.0
Vegetables (other)	163.0	223.0	95.0	155.0	36.3	15.5	25.3	77.1
Total	2142.0				284.4	184.8	213.5	682.7
1996 Overall consumption estimate (IFA)					456.0	209.0	244.0	909.0
1996 Overall consumption estimate (FAO)					455.9	208.5	262.0	926.4

Kuwait								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999		Average (Kg/Ha)			Consumption (000Mt)			
Barley	0.9	120.0	120.0	120.0	0.1	0.1	0.1	0.3
Bean	0.1	150.0	150.0	150.0				
Forage products nes	1.3	150.0	300.0	150.0	0.2	0.4	0.2	0.8
Leafy Vegetables	0.3	250.0	250.0	250.0	0.1	0.1	0.1	0.3
Onion	0.1	150.0	150.0	150.0				
Potato	0.8	150.0	150.0	150.0	0.1	0.1	0.1	0.3
Tomato	0.5	450.0	375.0	300.0	0.2	0.2	0.1	0.5
Wheat	0.2	150.0	150.0	150.0				
Total	4.2				0.7	0.9	0.6	2.2
1998 Overall consumption estimate (FAO)					1.0	0.0	0.0	1.0

Lithuania								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1996		Average (Kg/Ha)			Consumption (000Mt)			
Barley	224.0	22.0	9.0	12.0	4.9	2.0	2.7	9.6
Fodder	1122.0	21.0	6.0	16.0	23.6	6.7	18.0	48.2
Grassland (fertilized)	814.0	26.0	10.0	19.0	21.2	8.1	15.5	44.8
Maize & Grain	59.0	16.0	6.0	10.0	0.9	0.4	0.6	1.9
Potato	125.0	27.0	16.0	39.0	3.4	2.0	4.9	10.3
Pulses	37.0	0.0	12.0	17.0	0.0	0.4	0.6	1.1
Rapeseed	12.0	11.0	10.0	18.0	0.1	0.1	0.2	0.5
Rye & Oat	214.0	21.0	13.0	10.0	4.5	2.8	2.1	9.4
Sugar beet	31.0	57.0	24.0	46.0	1.8	0.7	1.4	3.9
Sunflower	6.0	10.0	12.0	24.0	0.1	0.1	0.1	0.3
Vegetables	29.0	73.0	22.0	32.0	2.1	0.6	0.9	3.7
Wheat	619.0	24.0	15.0	11.0	14.9	9.3	6.8	31.0
Total	3292.0				77.4	33.3	53.9	164.6
1996 Overall consumption estimate (IFA)					79.0	10.0	30.0	119.0
1996 Overall consumption estimate (FAO)					79.0	10.0	30.0	119.0

Moldova								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999		Average (Kg/Ha)			Consumption (000Mt)			
Cereals (other)	121.4	0.8			0.1			0.1
Maize	87.0	1.1			0.1			0.1
Soybean	13.0	7.7			0.1			0.1
Sugar beet	48.1	14.6			0.7			0.7
Tobacco	14.6	6.8			0.1			0.1
Vegetables	14.2	7.0			0.1			0.1
Wheat	241.2	7.5	0.4		1.8	0.1		1.9
Total	539.5				3.0	0.1	0.0	3.1
1999 Overall consumption estimate (IFA)					3.1	0.1	0.1	3.3
1999 Overall consumption estimate (FAO)					60.0	40.0	15.0	115.0

Morocco								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1998		Average (Kg/Ha)			Consumption (000Mt)			
Apple	63.3	65.0	46.0	47.0	4.1	2.9	3.0	10.0
Cereals	4800.0	12.0	10.0	2.0	57.6	48.0	9.6	115.2
Citrus fruits	74.4	201.0	112.0	150.0	15.0	8.3	11.2	34.5
Cotton	2.3	92.0	84.0	42.0	0.2	0.2	0.1	0.5
Grape	49.0	97.0	56.0	28.0	4.8		1.4	6.2
Oil crops (other)	50.0	3.0	7.0	28.0	0.2	0.4	1.4	2.0
Olive	500.0	7.0	7.0	3.0	3.5	3.5	1.5	8.5
Others	50.0	3.0	7.0	3.0	0.2	0.4	0.2	0.8
Pasture & Fodder	341.0	51.0	39.0	14.0	17.4	13.3	4.8	35.5
Pulses	340.0	8.0	35.0	7.0	2.7	11.9	2.4	17.0
Sugar beet	70.0	143.0	126.0	63.0	10.0	8.8	4.4	23.2
Sugar cane	11.1	123.0	58.0	98.0	1.4	0.6	1.1	3.1
Sunflower	120.0	24.0	21.0	10.0	2.9	2.5	1.2	6.6
Vegetables	242.0	66.0	59.0	75.0	16.0	14.3	18.2	48.5
Total	6713.1				136.0	115.1	60.5	311.6
1998 Overall consumption estimate (FAO)					174.2	98.0	51.0	323.2

Netherlands								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	35.0	85.0	9.0	10.0	3.0	0.0	0.0	3.0
Fodder (legume)	6.0		25.0	75.0		0.0	0.0	0.0
Fodder (other)	1.0	30.0	10.0	50.0	0.0	0.0	0.0	0.0
Grain maize (including CCM)	20.0	44.0	30.0	20.0	1.0	1.0	0.0	2.0
Grassland (fertilized)	1013.0	240.0	23.0	4.0	243.0	23.0	4.0	270.0
Maize, silage	225.0	34.0	28.0	25.0	8.0	6.0	6.0	20.0
Oilseed rape	1.0	180.0	25.0	30.0	0.0	0.0	0.0	0.0
Other (including tobacco)	82.0	90.0	26.0	80.0	7.0	2.0	7.0	16.0
Permanent crops (fruit, vineyard)	21.0	60.0	37.0	78.0	1.0	1.0	2.0	4.0
Potato	175.0	168.0	68.0	177.0	29.0	12.0	31.0	72.0
Pulses (pea, bean)	4.0	20.0	54.0	80.0	0.0	0.0	0.0	0.0
Rye, oat, rice	12.0	85.0	7.0	10.0	1.0	0.0	0.0	1.0
Sugar beet	115.0	108.0	50.0	70.0	12.0	6.0	8.0	26.0
Vegetables	76.0	125.0	78.0	175.0	10.0	6.0	13.0	29.0
Wheat	145.0	190.0	9.0	10.0	28.0	1.0	1.0	30.0
Total	1931.0				343.0	58.0	72.0	473.0
1999/2000 Overall consumption (EFMA)					343.0	59.0	73.0	476.0
1999 Overall consumption estimate (FAO)					343.0	59.0	73.0	475.0

New Zealand								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	56.0	65.0	68.0	60.0	3.6	3.8	3.4	10.8
Clover, seed	5.0	0.0	45.0	24.0	0.0	0.2	0.1	0.3
Grass, seed	12.0	120.0	68.0	66.0	1.4	0.8	0.8	3.0
Hop	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lentil	2.0	0.0	45.0	0.0	0.0	0.1	0.0	0.1
Maize	20.0	120.0	136.0	90.0	2.4	2.7	1.8	6.9
Oat	10.0	60.0	57.0	30.0	0.6	0.6	0.3	1.5
Potato	12.0	140.0	113.0	175.0	1.7	1.4	2.1	5.1
Rapeseed	1.0	60.0	45.0	0.0	0.1	0.0	0.0	0.1
Tomato	2.0	100.0	113.0	100.0	0.2	0.2	0.2	0.6
Wheat	53.0	100.0	57.0	60.0	5.3	3.0	3.2	11.5
Other	10900.0	16.7	41.2	14.7	182.0	449.1	159.7	790.8
Total	11073.2				197.3	462.0	171.6	830.9
2000 Overall consumption estimate (IFA)					242.0	458.0	138.0	838.0
1999 Overall consumption estimate (FAO)					156.0	380.0	133.0	669.0

Nigeria								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1996		Average (Kg/Ha)			Consumption (000Mt)			
Cassava	3639.0	2.7	1.1		9.8	4.0	0.0	13.8
Cotton	368.0	35.1	0.0		12.9	0.0	0.0	12.9
Cowpea	5390.0	0.5	0.6		2.7	3.2	0.0	5.9
Groundnut	2997.0	1.0	0.7		3.0	2.1	0.0	5.1
Maize	4203.0	5.9	1.4		24.8	5.9	0.0	30.7
Millet	5528.0	1.8	0.7		10.0	3.9	0.0	13.9
Potato	80.0	1.3	1.3		0.1	0.1	0.0	0.2
Potato, sweet	386.0	1.0	0.3		0.4	0.1	0.0	0.5
Rice	2097.0	4.8	1.9		10.1	4.0	0.0	14.1
Sorghum	7338.0	1.4	0.4		10.3	2.9	0.0	13.2
Soybean	467.0	2.6	2.1		1.2	1.0	0.0	2.2
Taro	555.0	2.2	0.9		1.2	0.5	0.0	1.7
Yam	2847.0	3.9	1.4		11.1	4.0	0.0	15.1
Total	35895.0				97.6	31.7	0.0	129.3
1996 Overall consumption estimate (FAO)					105.0	32.5	36.0	173.5

Norway								
Commodity (EFMA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	176.0	100.0	38.0	46.0	18.0	7.0	8.0	33.0
Fodder (other)	493.0	110.0	27.0	72.0	54.0	13.0	35.0	102.0
Grassland (fertilized)	145.0	100.0	19.0	57.0	15.0	3.0	8.0	26.0
Oilseed rape	6.0	110.0	45.0	48.0	1.0	0.0	0.0	1.0
Other (including tobacco)	5.0	80.0	40.0	90.0	0.0	0.0	0.0	0.0
Potato	15.0	100.0	90.0	160.0	2.0	1.0	2.0	5.0
Rye, oat, rice	94.0	96.0	38.0	46.0	9.0	4.0	4.0	17.0
Vegetables	6.0	150.0	75.0	200.0	1.0	0.0	1.0	2.0
Wheat	60.0	118.0	42.0	46.0	7.0	3.0	3.0	13.0
Total	1000.0				107.0	31.0	61.0	199.0
1999/2000 Overall consumption estimate (EFMA)					106.0	31.0	63.0	200.0
1999 Overall consumption estimate (FAO)					106.0	30.0	63.0	199.0

Pakistan								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1998/99		Average (Kg/Ha)			Consumption (000Mt)			
Cotton	2922.6	179.6	28.4	0.2	524.9	82.9	0.7	608.5
Maize	885.4	57.8	8.6	2.0	51.2	7.6	1.8	60.6
Rice	2422.2	52.2	6.9	0.2	126.5	16.6	0.5	143.6
Sugar cane	1155.1	195.9	40.3	3.1	226.3	46.6	3.6	276.5
Wheat	8332.2	107.3	29.6	0.7	894.0	247.0	6.1	1147.1
Others (fruits, vegetables, fodder, oilseeds ,etc.)	7322.5	37.4	8.7	1.1	274.1	63.9	8.3	346.3
Total	23040.0				2097.0	464.6	21.0	2582.6
1998 Overall consumption estimate (FAO)					2091.9	465.0	21.2	2578.1

Poland								
Commodity (IPI)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	1102.2	63.4	21.9	27.1	69.9	24.1	29.9	123.9
Buckwheat & millet	55.0	27.8	9.6	11.9	1.5	0.5	0.7	2.7
Cereals mixture	1430.9	46.2	15.9	19.8	66.1	22.8	28.3	117.2
Corn	128.7	81.8	28.2	35.0	10.5	3.6	4.5	18.6
Fodder (beet)	133.7	127.9	44.1	54.7	17.1	5.9	7.3	30.3
Fodder (pulses)	183.7	16.7	5.8	7.1	3.1	1.1	1.3	5.4
Leguminous, grasses	614.8	17.8	6.1	7.6	10.9	3.8	4.7	19.4
Maize, silage	153.7	81.8	28.2	35.0	12.6	4.3	5.4	22.3
Meadows (for hay)	2594.2	40.1	13.8	17.1	104.0	35.8	44.4	184.2
Oat	568.6	43.4	15.0	18.6	24.7	8.5	10.6	43.8
Orchards	267.0	74.0	25.5	31.6	19.8	6.8	8.4	35.0
Pasture	1464.4	20.0	6.9	8.6	29.3	10.1	12.6	52.0
Potato	1259.7	52.3	18.0	22.4	65.9	22.7	28.2	116.8
Pulses (for seed)	47.5	16.7	5.8	7.1	0.8	0.3	0.3	1.4
Rape	491.1	102.4	35.3	43.8	50.3	17.3	21.5	89.1
Rye	2186.9	27.8	9.6	11.9	60.8	21.0	26.0	107.8
Sugar beet	352.4	131.8	45.4	56.4	46.4	16.0	19.9	82.3
Triticale	677.3	65.1	22.4	27.8	44.1	15.2	18.8	78.1
Vegetables	244.9	74.0	25.5	31.6	18.1	6.2	7.7	32.1
Wheat (spring)	696.1	74.0	25.5	31.6	51.5	17.7	22.0	91.2
Wheat (winter)	1913.3	74.0	25.5	31.6	141.6	48.8	60.5	250.8
Other	257.4	48.1	16.6	20.6	12.4	4.3	5.3	22.0
Total	16823.5				861.3	296.7	368.2	1526.2
1999 Overall consumption estimate (FAO)					861.3	296.8	368.4	1526.5

Portugal								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	31.0	60.0	50.0	5.0	2.0	2.0	0.0	4.0
Fodder (legumes)	4.0	80.0	30.0	30.0	0.0	0.0	0.0	0.0
Fodder (other)	20.0	80.0	30.0	30.0	2.0	1.0	1.0	4.0
Grain maize, including CCM	190.0	160.0	60.0	55.0	30.0	11.0	10.0	51.0
Grassland (fertilized)	200.0	42.0	30.0	20.0	8.0	6.0	4.0	18.0
Maize, silage	176.0	80.0	30.0	30.0	14.0	5.0	5.0	24.0
Oilseed rape	2.0	100.0	70.0	50.0	0.0	0.0	0.0	0.0
Other (including tobacco)	3.0	40.0	120.0	180.0	0.0	0.0	1.0	1.0
Permanent crops (fruit, vineyard)	385.0	50.0	30.0	25.0	19.0	12.0	10.0	41.0
Potato	75.0	100.0	80.0	80.0	8.0	6.0	6.0	20.0
Pulses (pea, bean)	2.0	5.0	35.0	5.0	0.0	0.0	0.0	0.0
Rye, oat, rice	136.0	60.0	35.0		8.0	5.0		13.0
Set-aside, industrial crops	1.0	100.0	70.0	50.0	0.0	0.0	0.0	0.0
Sugar beet	8.0	150.0	90.0	120.0	1.0	1.0	1.0	3.0
Vegetables	110.0	120.0	80.0	75.0	13.0	9.0	8.0	30.0
Wheat	262.0	80.0	55.0	10.0	21.0	14.0	3.0	38.0
Total	1605.0				126.0	72.0	49.0	247.0
1999/2000 Overall consumption estimate (EFMA)					129.0	76.0	50.0	255.0
1998 Overall consumption estimate (FAO)					130.0	77.0	50.0	257.0

Saudi Arabia								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1996		Average (Kg/Ha)			Consumption (000Mt)			
Barley	78.0	330.0	300.0	25.0	15.0	23.4	2.0	40.4
Fodder	270.0	275.0	240.0	60.0	64.0	60.0	8.0	132.0
Fruits	130.0	200.0	200.0	230.0	21.0	23.0	10.0	54.0
Potato	21.0	190.0	140.0	90.0	4.0	2.9	1.9	8.8
Vegetables	115.0	260.0	160.0	330.0	20.0	18.4	17.0	55.4
Wheat	573.0	96.0	105.0	5.0	40.0	30.0	1.9	71.9
Total	1187.0				164.0	157.7	40.8	362.5
1996 Overall consumption estimate (FAO)					171.0	138.0	8.0	317.0

Slovakia								
Commodity (IPI)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley (summer)	124.2	41.0	14.8	13.6	5.1	1.8	1.7	8.6
Barley (winter)	10.1	65.7	14.2	9.3	0.7	0.1	0.1	0.9
Flax	2.6	35.1	16.8	11.8	0.1	0.0	0.0	0.2
Fruits	4.5	29.2	9.0	10.2	0.1	0.0	0.0	0.2
Grain maize	105.1	85.8	9.8	8.8	9.0	1.0	0.9	11.0
Grassland	291.8	20.3	2.2	1.7	5.9	0.6	0.5	7.1
Maize, silage	83.6	69.1	6.1	6.1	5.8	0.5	0.5	6.8
Oat	13.9	35.9	8.8	7.4	0.5	0.1	0.1	0.7
Potato	11.5	84.9	30.9	45.9	1.0	0.4	0.5	1.9
Pulses	8.0	26.3	18.0	16.5	0.2	0.1	0.1	0.5
Rape seed & Mustard	84.8	97.7	16.9	11.5	8.3	1.4	1.0	10.7
Rye (winter)	23.7	55.9	12.0	9.2	1.3	0.3	0.2	1.8
Sugar beet	28.9	57.0	19.0	22.1	1.6	0.5	0.6	2.8
Sunflower	54.4	59.1	13.0	9.5	3.2	0.7	0.5	4.4
Tobacco	1.1	29.3	33.7	120.1	0.0	0.0	0.1	0.2
Triticale	7.1	62.4	13.9	10.1	0.4	0.1	0.1	0.6
Vegetables	10.5	75.6	40.2	52.3	0.8	0.4	0.5	1.8
Wheat (summer)	11.5	60.0	10.2	8.5	0.7	0.1	0.1	0.9
Wheat (winter)	326.7	76.9	14.8	11.8	25.1	4.8	3.9	33.8
Total	1203.8			386.4	69.9	13.4	11.6	94.9
1999 Overall consumption estimate (FAO)					65.4	13.1	10.6	89.1

South Africa								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999		Average (Kg/Ha)			Consumption (000Mt)			
Barley	110.0	20.9	14.3	3.2	2.3	1.6	0.4	4.2
Citrus fruits	46.0	80.4	33.9	60.0	3.7	1.6	2.8	8.0
Cotton	85.0	12.9	10.5	1.4	1.1	0.9	0.1	2.1
Deciduous fruits	52.0	109.6	30.1	83.0	5.7	1.6	4.3	11.6
Dry beans	75.0	14.7	20.7	6.4	1.1	1.6	0.5	3.1
Grain Sorghum	200.0	36.0	16.7	3.6	7.2	3.3	0.7	11.3
Grassland & Pasture	1750.0	15.0	12.7	2.2	26.3	22.2	3.9	52.3
Groundnut	135.0	5.2	9.8	1.8	0.7	1.3	0.2	2.3
Lucerne (Alfalfa)	214.0	13.6	52.2	21.4	2.9	11.2	4.6	18.7
Maize	3650.0	52.2	21.2	5.2	190.5	77.4	19.0	286.9
Oat	600.0	10.8	9.4	2.8	6.5	5.6	1.7	13.8
Other (tobacco)	16.0	37.5	139.4	97.6	0.6	2.2	1.6	4.4
Potato	60.0	170.0	156.1	120.0	10.2	9.4	7.2	26.8
Rye	45.0	13.3	14.9	2.6	0.6	0.7	0.1	1.4
Soybean	68.0	2.9	9.8	3.5	0.2	0.7	0.2	1.1
Sub-tropical fruits	20.0	180.0	55.8	240.0	3.6	1.1	4.8	9.5
Sugar cane	400.0	87.0	53.1	125.4	34.8	21.2	50.2	106.2
Sunflower	580.0	12.8	16.1	2.0	7.4	9.3	1.2	17.9
Vegetables	95.0	169.5	155.0	120.0	16.1	14.7	11.4	42.2
Vines (grape)	120.0	50.0	35.2	24.0	6.0	4.2	2.9	13.1
Wheat	1400.0	30.0	21.2	3.6	42.0	29.7	5.0	76.7
Total	9721.0				369.5	221.5	122.6	713.6
1999 Overall consumption estimate (IFA)					413.0	227.3	136.4	776.7
1999 Overall consumption estimate (FAO)					417.5	227.0	159.0	803.5

Spain								
Commodity (EFMA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	3204.0	90.0	51.0	29.0	288.0	163.0	93.0	544.0
Fodder (legumes)	310.0	19.0	46.0	45.0	6.0	14.0	14.0	34.0
Fodder (other)	430.0	32.0	20.0	20.0	14.0	9.0	9.0	32.0
Grain maize, including CCM	430.0	225.0	110.0	103.0	97.0	47.0	44.0	188.0
Grassland (fertilized)	210.0	39.0	32.0	29.0	8.0	7.0	6.0	21.0
Maize, silage	90.0	80.0	52.0	50.0	7.0	5.0	5.0	17.0
Oilseed rape	50.0	109.0	72.0	75.0	5.0	4.0	4.0	13.0
Other (including tobacco)	160.0	158.0	102.0	100.0	25.0	16.0	16.0	57.0
Permanent Crops (fruit, vineyard)	4975.0	57.0	24.0	26.0	282.0	119.0	129.0	530.0
Potato	132.0	142.0	81.0	95.0	19.0	11.0	13.0	43.0
Pulses (pea, bean)	505.0	9.0	11.0	8.0	5.0	6.0	4.0	15.0
Rye, oat, rice	641.0	80.0	34.0	24.0	51.0	22.0	16.0	89.0
Set-aside, industrial crops	50.0	30.0	20.0	20.0	2.0	1.0	1.0	4.0
Sugar beet	130.0	178.0	100.0	108.0	23.0	13.0	14.0	50.0
Sunflower, soya, linseed	900.0	14.0	6.0	6.0	12.0	5.0	5.0	22.0
Vegetables	440.0	205.0	95.0	103.0	90.0	42.0	45.0	177.0
Wheat	2392.0	95.0	53.0	31.0	227.0	127.0	74.0	428.0
Total	15049.0				1161.0	611.0	492.0	2264.0
1999/2000 Overall consumption estimate (EFMA)					1162.0	610.0	491.0	2263.0
1999 Overall consumption estimate (FAO)					1180.0	643.0	491.0	2314.0

Sri Lanka								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1998		Average (Kg/Ha)			Consumption (000Mt)			
Coconut	441.9	9.7	5.7	18.3	4.3	2.5	8.1	14.9
Food crops (other)	234.7	33.2	31.1	19.2	7.8	7.3	4.5	19.6
Other export agricultural crops	234.7	7.7	4.3	6.8	1.8	1.0	1.6	4.4
Rice	820.1	103.9	13.9	25.4	85.2	11.4	20.8	117.4
Rubber	158.7	12.6	12.0	12.6	2.0	1.9	2.0	5.9
Tea	189.0	210.6	36.5	122.8	39.8	6.9	23.2	69.9
Tobacco	6.7	44.8	74.6	74.6	0.3	0.5	0.5	1.3
Total	2085.8				141.2	31.5	60.7	233.4
1998 Overall consumption estimate (FAO)					142.2	29.1	61.6	232.9

Sweden								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	459.0	78.0	19.0	10.0	36.0	9.0	5.0	50.0
Fodder (legumes)	27.0		10.0	10.0		0.0	0.0	0.0
Fodder (other)	683.0	85.0	17.0	35.0	58.0	12.0	24.0	94.0
Grassland (fertilized)	150.0	60.0	14.0	10.0	9.0	2.0	2.0	13.0
Oilseed rape	50.0	110.0	36.0	30.0	6.0	2.0	2.0	10.0
Potato	35.0	83.0	75.0	120.0	3.0	3.0	4.0	10.0
Pulses (pea, bean)	38.0		40.0	10.0		2.0	0.0	2.0
Rye, oat, rice	408.0	68.0	15.0	10.0	28.0	6.0	4.0	38.0
Sugar beet	55.0	100.0	40.0	70.0	6.0	2.0	4.0	12.0
Sunflower, soya, linseed	13.0	60.0	20.0	10.0	1.0	0.0	0.0	1.0
Vegetables	13.0	100.0	70.0	110.0	1.0	1.0	1.0	3.0
Wheat	388.0	120.0	20.0	10.0	47.0	8.0	4.0	59.0
Total	2319.0				195.0	47.0	50.0	292.0
1999/2000 Overall consumption estimate (EFMA)					197.0	46.0	50.0	292.0
1999 Overall consumption estimate (FAO)					189.4	40.4	46.8	276.6

Switzerland								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	47.0	123.0	39.0	52.0	6.0	2.0	2.0	10.0
Fodder (legumes)	2.0		45.0	33.0		0.0	0.0	0.0
Fodder (other)	4.0	62.0	43.0	55.0	0.0	0.0	0.0	0.0
Grain maize, including CCM	29.0	160.0	80.0	119.0	5.0	2.0	3.0	10.0
Grassland (fertilized)	360.0	45.0	18.0	20.0	16.0	6.0	7.0	29.0
Maize, silage	43.0	72.0	47.0	62.0	3.0	2.0	3.0	8.0
Oilseed rape	16.0	172.0	72.0	113.0	3.0	1.0	2.0	6.0
Permanent Crops (fruit, vineyard)	21.0	71.0	51.0	78.0	1.0	1.0	2.0	4.0
Potato	16.0	161.0	77.0	218.0	3.0	1.0	3.0	7.0
Pulses (pea, bean)	3.0	23.0	61.0	48.0	0.0	0.0	0.0	0.0
Rye, oat rice	14.0	111.0	38.0	50.0	2.0	1.0	1.0	4.0
Set-aside, industrial crops	16.0	70.0	20.0	20.0	1.0	0.0	0.0	1.0
Sugar beet	18.0	143.0	75.0	204.0	3.0	1.0	4.0	8.0
Sunflower, soya, linseed	4.0	41.0	47.0	58.0	0.0	0.0	0.0	0.0
Vegetables	9.0	164.0	145.0	169.0	1.0	1.0	2.0	4.0
Wheat (soft + durum)	91.0	155.0	41.0	59.0	14.0	4.0	5.0	23.0
Other (including tobacco)	3.0	53.0	43.0	131.0	0.0	0.0	0.0	0.0
Total	696.0				58.0	22.0	34.0	114.0
1999/2000 Overall consumption estimate (EFMA)					58.0	24.0	35.0	117.0
1999 Overall consumption estimate (FAO)					58.7	24.0	35.0	117.7

Syria								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1995		Average (Kg/Ha)			Consumption (000Mt)			
Barley	1963.0	30.0	30.0	0.0	58.9	58.9	0.0	117.8
Cotton	204.0	50.0	50.0	0.0	10.2	10.2	0.0	20.4
Grape	67.0	35.0	30.0	0.0	2.3	2.0	0.0	4.3
Maize	69.0	35.0	30.0	0.0	2.4	2.1	0.0	4.5
Olive	422.0	35.0	30.0	0.0	14.8	12.7	0.0	27.5
Potato	23.0	35.0	30.0	5.0	0.8	0.7	0.1	1.6
Sugar beet	31.0	60.0	60.0	0.0	1.9	1.9	0.0	3.8
Tomato	20.0	50.0	30.0	0.0	1.0	0.6	0.0	1.6
Wheat	1644.0	30.0	30.0	0.0	49.3	49.3	0.0	98.6
Total	4443.0				141.6	138.4	0.1	280.1
1995 Overall consumption estimate (FAO)					236.3	99.0	6.5	341.5

United Kingdom								
Commodity (EFMA-IFA)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1999/2000		Average (Kg/Ha)			Consumption (000Mt)			
Barley	1065.0	118.0	44.0	55.0	126.0	47.0	59.0	232.0
Fodder (other)	60.0	75.0	55.0	60.0				0.0
Grassland (fertilized)	5500.0	105.0	18.0	26.0	578.0	99.0	143.0	820.0
Maize, silage	110.0	52.0	48.0	42.0	6.0	5.0	5.0	16.0
Oilseed rape	400.0	185.0	45.0	48.0	74.0	18.0	19.0	111.0
Other (including tobacco)	50.0	45.0	20.0	30.0	2.0	1.0	2.0	5.0
Permanent Crops (fruit, vineyard)	38.0	50.0	25.0	40.0	2.0	1.0	2.0	5.0
Potato	170.0	155.0	163.0	240.0	26.0	28.0	41.0	95.0
Pulses (pea, bean)	205.0	5.0	30.0	35.0	1.0	6.0	7.0	14.0
Rye, oat, rice	120.0	100.0	47.0	55.0	12.0	6.0	7.0	25.0
Set-aside, industrial crops	72.0	170.0	40.0	43.0	12.0	3.0	3.0	18.0
Sugar beet	173.0	100.0	50.0	120.0	17.0	9.0	21.0	47.0
Sunflower, soya, linseed	90.0	50.0	20.0	25.0	5.0	2.0	2.0	9.0
Vegetables	125.0	125.0	65.0	115.0	16.0	8.0	14.0	38.0
Wheat (soft + durum)	2100.0	183.0	40.0	45.0	384.0	84.0	95.0	563.0
Total	10278.0				1261.0	317.0	420.0	1998.0
1999/2000 Overall consumption estimate (EFMA)					1266.0	321.0	423.0	2010.0
1999 Overall consumption estimate (FAO)					1303.0	320.0	423.0	2046.0

Zambia								
Commodity (FAO)	Area (000Ha)	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Total
Year 1996		Average (Kg/Ha)			Consumption (000Mt)			
Maize	649.0	15.7	5.3	2.7	10.2	3.4	1.7	15.3
Millet	79.0	6.3	0.1	0.0	0.5	0.0	0.0	0.5
Soybean	17.0	6.6	7.9	4.0	0.1	0.1	0.1	0.3
Total	745.0				10.8	3.5	1.8	16.1
1996 Overall consumption estimate (FAO)					27.5	13.9	10.0	51.4