## Vegetables

## **The Families**

The plant families from which vegetables have been developed are listed below, with notes on what parts of the plant are naturally or have been developed to be edible. As will be seen, the Chinese have been particularly innovative and clever in developing, by selection, different vegetables from the same plant. Europeans have been much less creative /or just had less time  $\odot$ /, only beet and the common cabbage having been developed into several distinct vegetables.

## Amaryllidaceae /Old: Alliaceae, Liliaceae /

**Onions, garlic,** leeks and chives belong to this family. In most cases it is their bulbs which are eaten, but in leeks and spring onions the elongated leaf bases are also edible, and the Chinese eat the blanched flowering stems of both garlic and Chinese chives. The characteristic onion and garlic smells are caused by alkyl-sulphides which are found throughout the genus *Allium* and in other genera of the *Alliaceae* such as *Tulbaghia*.

#### Amaranthaceae /Old: Chenopodiaceae/

**Spinach** and **leaf beet** are the most common green vegetables in this family. Beet has also been developed as **sugar beet** and **beetroot**, in which the edible part is the swollen base of the stem. Many of these leaf vegetables, particularly **spinach**, are very high in vitamins and minerals such as iron, and should be cooked so that the water is absorbed, not thrown away.

## Asteraceae /Old: Compositae /

The daisy family contains such widely different vegetables as the Jerusalem artichoke, with its potatolike tubers, the Globe artichoke with its edible thistle-like flower heads, the chicory with its blanched leaves and the lettuce. The Chinese, ever ingenious, have developed celtuce or asparagus lettuce, with a thickened edible stem, and in France dandelions are grown for salad, looking not unlike the weed though leafier and tasting less bitter. Sunflowers are grown for their large, edible seeds. The tubers of Jerusalem artichoke (and those of the rare Andean vegetable yacon), contain inulin, rather than the commoner starch or sugar, and are suitable for diabetics, or as a substitute for potatoes.

#### *Brassicaceae* /Old: *Cruciferae*/

The cabbage family contains a great range of vegetables, developed in both Europe and China. In most it is the leaves (cabbage), flowering stems (cauliflower) or swollen roots (radish) which are eaten, but there is a radish with edible fruits in central Asia. In Europe, rape is grown for the oil in its seeds, and the same species has been developed into the turnip, but in China it has also been developed into different leafy vegetables.

#### Cucurbitaceae

**Marrows, courgettes** and **cucumbers** belong to this family. Most of the species are tropical American and it is the fruits that are eaten, often when immature and including the seeds. The large flowers of the marrows are edible though insubstantial. In other tropical species such as the Oyster nut, *Telfairia pedata*, the seeds are the main edible portion of the plant, and some varieties of **water melon** are grown primarily for their huskless seeds.

## *Poaceae* /Old: *Graminae* /

The grass family contains the staple crops of all the advanced civilizations: wheat, maize and rice. Few, however, are eaten fresh as vegetables, except for the different varieties of sweetcorn. The swollen leaf bases of two other grasses are eaten in eastern Asia. Lemon grass, Cymbopogon citratus, is chopped finely and used as a flavouring, and Zizania aquatica, the wild rice, is eaten when its leaf bases are swollen due to infection by a fungus. **Bamboo** shoots are also commonly eaten in China, not only the young shoots of the giant tropical *Dendrocalamus latiflorus,* but also the thinner shoots of the temperate Phyllostachys.

### *Lamiaceae* /Old: *Labiatae* /

Rich though it is in species of herbs used for flavouring, such as **thyme, mint, sage** and **oregano,** the family *Labiatae* has produced few vegetables. Edible tuberous roots are found in species of Woundwort i.e. *Stachys affinis,* the Chinese artichoke, and in the African genus *Plectranthus.* 

#### *Fabaceae* / Old: *Leguminosae* /

Most of the edible legumes produce pods of large seeds, which may be poisonous until cooked. In several species, such as **snowpeas** and **French beans**, the young pods are edible, and in China, peas and alfalfa are also grown for their young leafy shoots. A few species also produce edible root tubers -most common being the North American Apios tuberosa and the Mexican jicama, Pachyrrhizus erosus, which has a root like a turnip. The use of sprouting beans and peas is traditional in China, and the sprouts contain large quantities of vitamins not present in the dried seeds. Sprouts are edible both raw or quickly cooked, whereas many beans must be boiled until well cooked to break down poisonous alkaloids in the dry bean.

## Solanaceae

The nightshade family produces a very valuable range of vegetables, almost all developed in Central and South America. Potatoes, tomatoes and peppers were all unknown in Europe and Asia until the Spaniards brought seeds back from Mexico and Columbia in the late fifteenth century (1493, Chanca). Even then many were at first viewed with considerable suspicion, as the European members of the family were mostly extremely poisonous. The only edible *Solanum* which originated outside America was the **aubergine (eggplant)**, thought to be a native of India. Potatoes, even when boiled, are very rich in vitamins, especially vitamin C and niacin.

## Apiaceae / Old: Umbelliferae/

The carrot family has been developed to produce edible roots, fleshy leafstalks as in **celery** and **Florence fennel** and a swollen stem base in **celeriac**. Both **parsley** and a *leaf variety* of **celery** provide edible and aromatic leaves for salads. **Carrots** are a traditional and very rich source of vitamin A (carotene). **Lesser families** The following families have provided only one or two vegetables each, and most are grown in small quantities only. The most important are the *Araceae*, *Convolvulaceae* and *Dioscoriaceae* which produce Taro, Sweet potatoes and Yams, tubers which are widely grown in the tropics. *Aizoaceae* - New Zealand spinach

Amaranthaceae - Chinese spinach, Pigweed

Araceae - Taro,

Convolvulaceae - Sweet potato, Water spinach

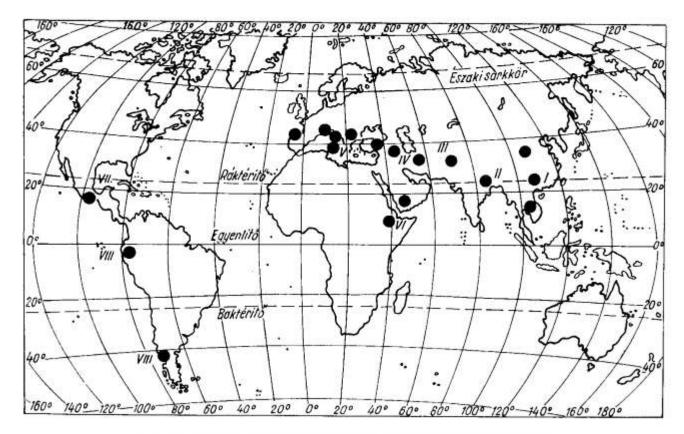
Dioscoriaceae - Yams

*Malvaceae* - Okra, Mallow

Nymphaeaceae - Lotus root

Valerianaceae - Lamb's lettuce

*Zingiberaceae -* Ginger, Turmeric



1. ábra. A zöldségnövények származási övezetei VAVILOV nyomán

I. Kinai övezet (tojásgyümölcs, uborka, retek). II. Indiai övezet (tojásgyümölcs, uborka, sütőtök). III. Közép-ázsiai övezet (lóbab, hagyma, sárgarépa, sárgadinnye, spenót). IV. Nyugat-ázsiai övezet (lóbab, sütötök, sárgarépa, saláta, petrezselyem). V. Földközi-tengeri övezet (cékla, káposztafélék, petrezselyem, sárgarépa, pasztinák, zeller, saláta, cikória, spárga, feketegyökér, sóska, fokhagyma, póréhagyma, vöröshagyma, borsó). VI. Abesszíniai övezet (borsó, görögdinnye). VII. Dél-mexikói övezet (bokor- és karósbab, kukorica, paprika, paradicsom). VIII. Dél-merikai övezet (paradicsom, burgonya, kukorica) (CHROBOCEK

1957)

#### The origin of vegetables

# Vegetable production in the World in 2009.

http://faostat.fao.org/site/339/default.aspx

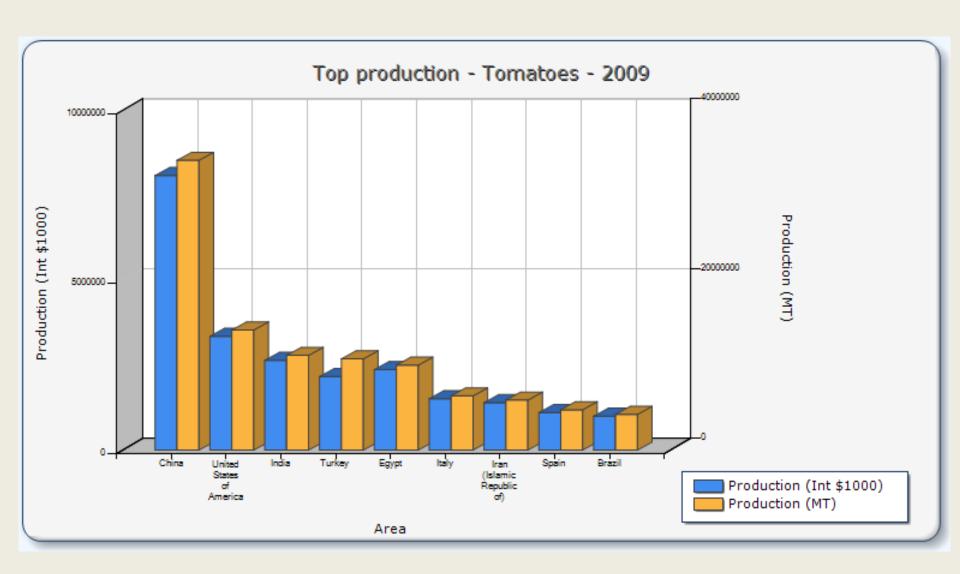
|  | Area Harvested (Ha)         | Production (tonnes)          |  |  |  |
|--|-----------------------------|------------------------------|--|--|--|
|  |                             |                              |  |  |  |
| Africa                                       | 6,100,174 (2)               | 64,137,609                   |  |  |  |
| Americas                                     | 3,953,351                   | 81,616,504 (3)               |  |  |  |
| Asia   | <mark>40,230,828</mark> (1) | <mark>695,200,994</mark> (1) |  |  |  |
| Europe                                       | 4,294,713 (3)               | 96,745,596 (2)               |  |  |  |
| Oceania (AU, NZ)                             | 159,664                     | 3,448,201                    |  |  |  |
|  |                             |                              |  |  |  |
| World: Vegetables&Melons,<br>Total + (Total) | 54,738,730                  | 941,148,905                  |  |  |  |

| Item                | Area Harv              | ested | Production     |                 | Yield (t/Ha) |
|---------------------|------------------------|-------|----------------|-----------------|--------------|
|                     | (Ha)                   |       | (tonnes)       |                 |              |
| Cabbages and other  | 3,229,146              | (6)   | 71,342,347 (   | 5)              | 22.0932      |
| brassicas           |                        |       |                |                 |              |
| Carrots and turnips | 1,211,573              |       | 28,028,042 (1  | 0)              | 23.1335      |
| Chillies and        | 1,832,471              | (10)  | 2,959,283      |                 | 1.6149       |
| peppers, dry        |                        |       |                |                 |              |
| Chillies and        | 1,879,078              | (9)   | 28,483,822 (   | 9)              | 15.1583      |
| peppers, green      |                        |       |                |                 |              |
| Cucumbers and       | 2,699,920              | (7)   | 39,320,705 (   | 7)              | 14.5636      |
| gherkins            |                        |       |                |                 |              |
| Eggplants           | 1,974,920              | (8)   | 35,326,379 (   | 8)              | 17.8874      |
| (aubergines)        |                        |       |                |                 |              |
| Onions, dry         | 3,691,855              | (5)   | 72,313,493 (4  | 4)              | 19.5873      |
| Sweet potatoes      | <mark>8,510,621</mark> | (1)   | 107,642,391 (2 | 2)              | 12.6480      |
| Tomatoes            | 4,980,424              | (3)   | 141,400,629 (  | <mark>1)</mark> | 28.3912      |
| Watermelons         | 3,810,535              | (4)   | 100,687,056 (  | 3)              | 26.4233      |
| Yams                | 5,035,358              | (2)   | 54,098,112 (   | 6)              | 10.7436      |



## Tomato (*Solanum lycopersicum*)

/Paradicsom /

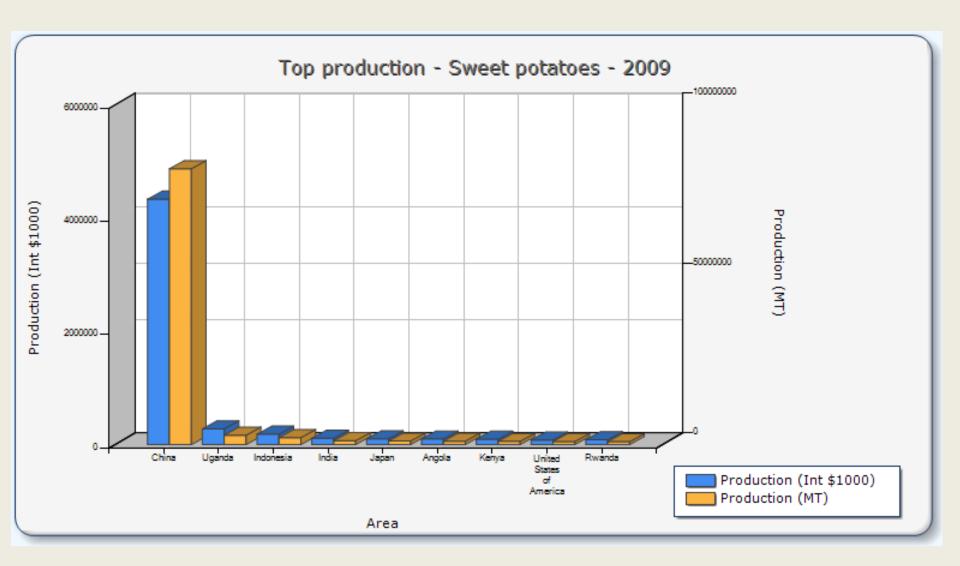


| Rank | Area                       | Production (Int \$1000) | Flag | Production (MT) |
|------|----------------------------|-------------------------|------|-----------------|
| 1    | China                      | 8084061                 | *    | 34120040        |
| 2    | United States of America   | 3350628                 | *    | 14141850        |
| 3    | India                      | 2641532                 | *    | 11149000        |
| 4    | Turkey                     | 2164053                 | *    | 10745572        |
| 5    | Egypt                      | 2369300                 | *    | 1000000         |
| 6    | Italy                      | 1512253                 | *    | 6382700         |
| 7    | Iran (Islamic Republic of) | 1394976                 | *    | 5887714         |
| 8    | Spain                      | 1101534                 | *    | 4749200         |
| 9    | Brazil                     | 996204                  | *    | 4204638         |
| 10   | Russian Federation         | 514230                  | *    | 2170390         |
| 11   | Uzbekistan                 | 499922                  | *    | 2110000         |
| 12   | Ukraine                    | 483526                  | *    | 2040800         |
| 13   | Greece                     | 319855                  | *    | 1350000         |
| 14   | Portugal                   | 319074                  | *    | 1346702         |
| 15   | Morocco                    | 308009                  | *    | 1300000         |
| 16   | Tunisia                    | 284316                  | *    | 1200000         |
| 17   | Syrian Arab Republic       | 276168                  | *    | 1165611         |
| 18   | Iraq                       | 216433                  | *    | 913493          |
| 19   | Indonesia                  | 196634                  | *    | 829927          |
| 20   | Romania                    | 179023                  | *    | 755596          |

Tomatoes

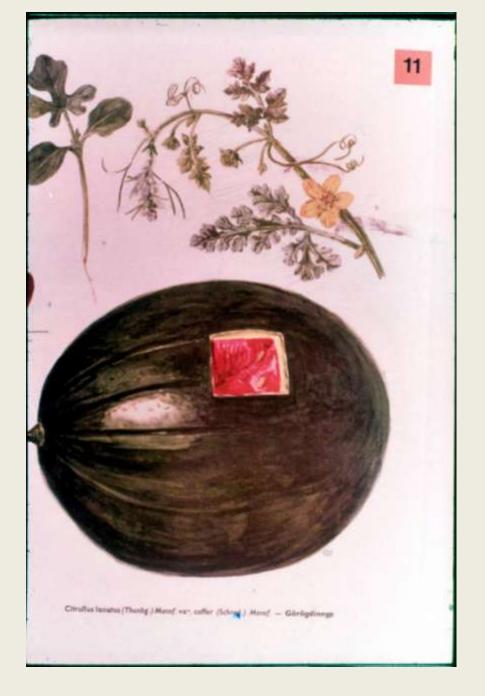


## Sweet potato (Ipomoea batatas) /Édes burgonya/



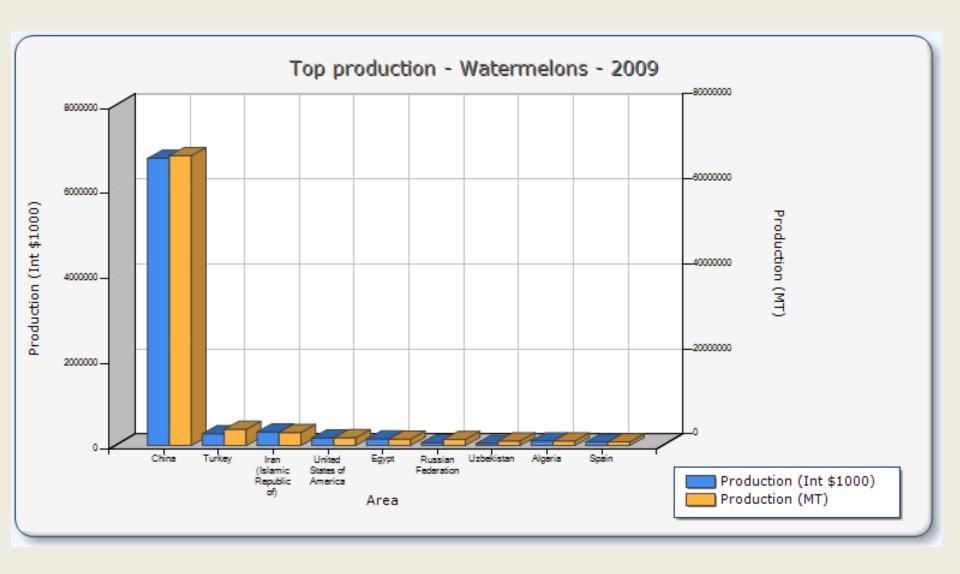
| Rank | Area                     | Production (Int \$1000) | Flag | Production (MT) |
|------|--------------------------|-------------------------|------|-----------------|
| 1    | China                    | 4333856                 | *    | 81212926        |
| 2    | Uganda                   | 277955                  | *    | 2766000         |
| 3    | Indonesia                | 183664                  | *    | 2057913         |
| 4    | India                    | 112548                  | *    | 1120000         |
| 5    | Japan                    | 100810                  | *    | 1026000         |
| 6    | Angola                   | 98740                   | *    | 982588          |
| 7    | Kenya                    | 93534                   | *    | 930784          |
| 8    | United States of America | 79598                   | *    | 883099          |
| 9    | Rwanda                   | 85416                   | *    | 850000          |
| 10   | Philippines              | 57279                   | *    | 600000          |
| 11   | Cuba                     | 39531                   | *    | 437100          |
| 12   | Egypt                    | 26629                   | *    | 265000          |
| 13   | Ethiopia                 | 26414                   | *    | 262854          |
| 14   | Peru                     | 23030                   | *    | 260761          |
| 15   | Cameroon                 | 19696                   | *    | 200000          |
| 16   | Paraguay                 | 16341                   | *    | 173000          |
| 17   | Zambia                   | 10049                   | *    | 100000          |
| 18   | South Africa             | 5998                    | *    | 62688           |
| 19   | Sri Lanka                | 3562                    | *    | 47270           |
| 20   | Australia                | 4052                    | *    | 42460           |

### Sweet potatoe



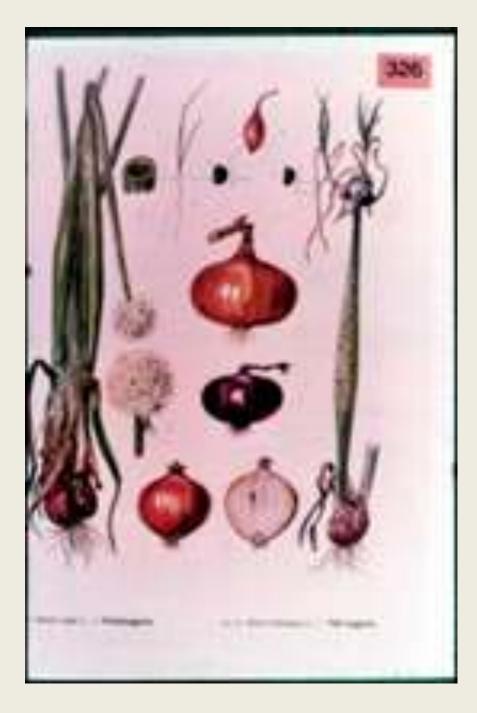
## Watermelon (Citrullus lanatus)

## Görögdinnye



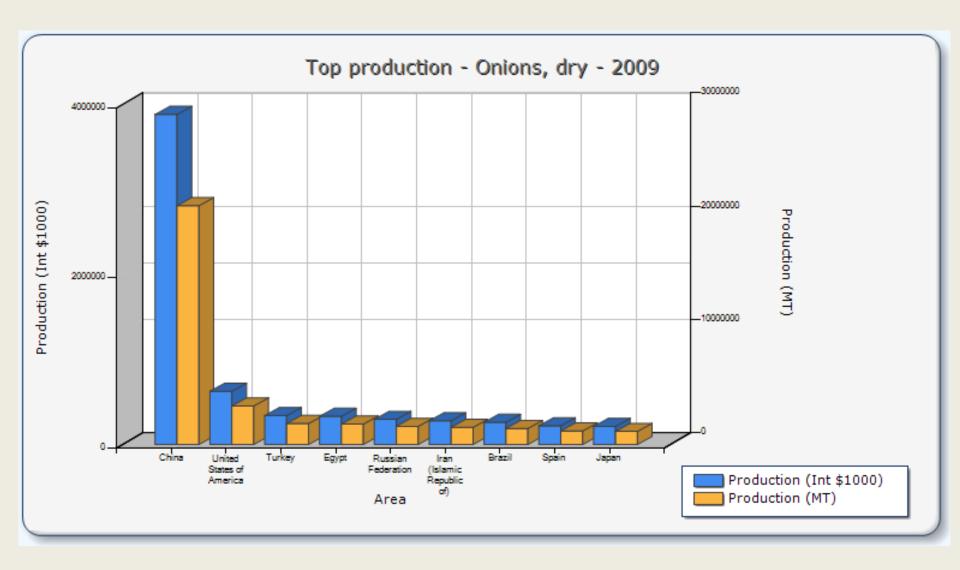
| Rank | Area                       | Production (Int \$1000) | Flag | Production (MT) |
|------|----------------------------|-------------------------|------|-----------------|
| 1    | China                      | 6756166                 | *    | 68203275        |
| 2    | Turkey                     | 277905                  | *    | 3810205         |
| 3    | Iran (Islamic Republic of) | 320586                  | *    | 3074581         |
| 4    | United States of America   | 177772                  | *    | 1819890         |
| 5    | Egypt                      | 156405                  | *    | 1500000         |
| 6    | Russian Federation         | 65067                   | *    | 1419030         |
| 7    | Uzbekistan                 | 48448                   | *    | 1071000         |
| 8    | Algeria                    | 107890                  | *    | 1034722         |
| 9    | Spain                      | 81786                   | *    | 826700          |
| 10   | Syrian Arab Republic       | 74246                   | *    | 749695          |
| 11   | Greece                     | 66211                   | *    | 660000          |
| 12   | Morocco                    | 67775                   | *    | 650000          |
| 13   | Kazakhstan                 | 59547                   | *    | 641000          |
| 14   | Romania                    | 39356                   | *    | 602813          |
| 15   | Ukraine                    | 24473                   | *    | 531000          |
| 16   | Indonesia                  | 47079                   | *    | 451519          |
| 17   | Italy                      | 31413                   | *    | 450000          |
| 18   | Azerbaijan                 | 41350                   | *    | 410803          |
| 19   | Japan                      | 40143                   | *    | 385000          |
| 20   | Iraq                       | 34069                   | *    | 326742          |

## Watermelons



## **Onion** (Allium cepa)

## Vöröshagyma



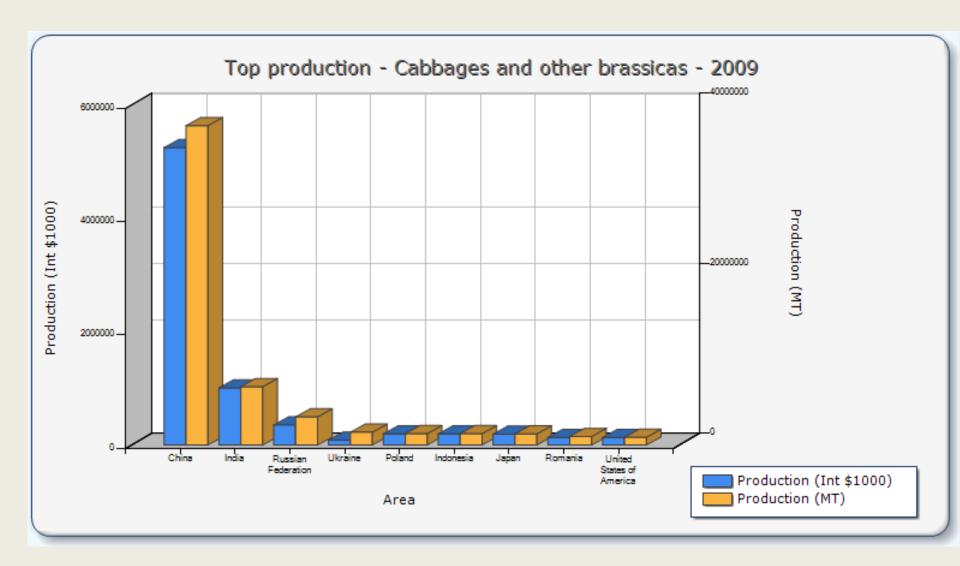
| Rank | Area                       | Production (Int \$1000) | Flag | Production (MT) |
|------|----------------------------|-------------------------|------|-----------------|
| 1    | China                      | 3882491                 | *    | 21067295        |
| 2    | United States of America   | 626689                  | *    | 3400560         |
| 3    | Turkey                     | 340859                  | *    | 1849582         |
| 4    | Egypt                      | 331722                  | *    | 1800000         |
| 5    | Russian Federation         | 295149                  | *    | 1601550         |
| 6    | Iran (Islamic Republic of) | 278673                  | *    | 1512147         |
| 7    | Brazil                     | 260390                  | *    | 1412938         |
| 8    | Spain                      | 220208                  | *    | 1194900         |
| 9    | Japan                      | 212670                  | *    | 1154000         |
| 10   | Algeria                    | 180633                  | *    | 980160          |
| 11   | Indonesia                  | 175561                  | *    | 952638          |
| 12   | Ukraine                    | 161364                  | *    | 875600          |
| 13   | Uzbekistan                 | 146510                  | *    | 795000          |
| 14   | Poland                     | 130438                  | *    | 707792          |
| 15   | Argentina                  | 129003                  | *    | 700000          |
| 16   | Morocco                    | 119788                  | *    | 650000          |
| 17   | Peru                       | 110934                  | *    | 601956          |
| 18   | South Africa               | 85128                   | *    | 461926          |
| 19   | Germany                    | 76406                   | *    | 414600          |
| 20   | Kazakhstan                 | 52706                   | *    | 406000          |

Onions (dry)



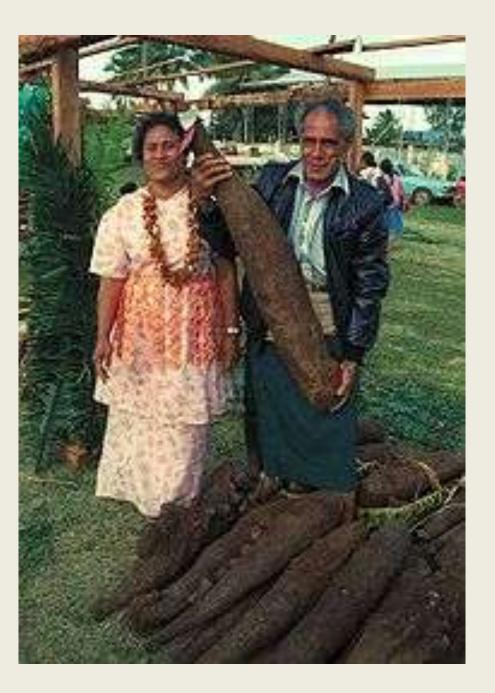
## Cabbage

## (Brassica oleracea)



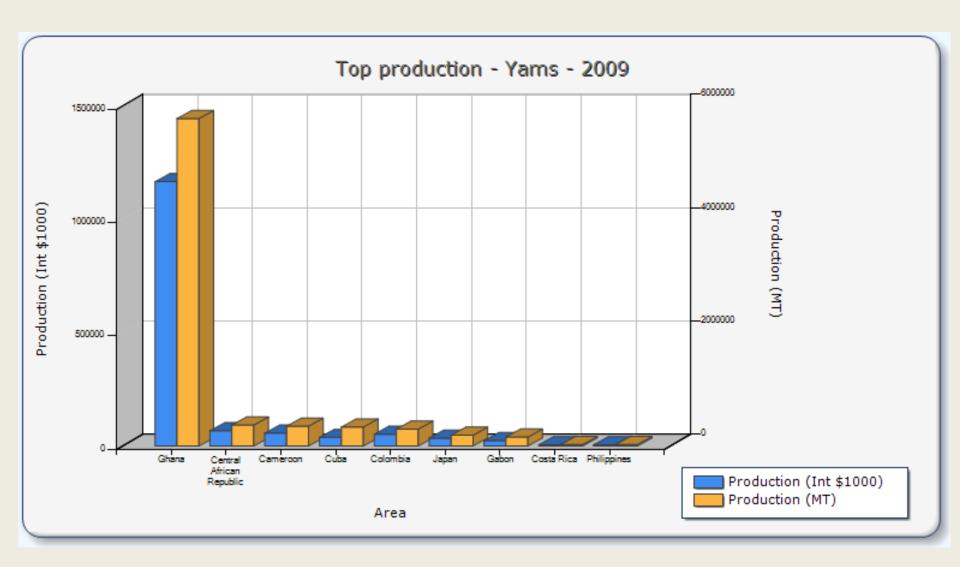
| Rank | Area                     | Production (Int \$1000) | Flag | Production (MT) |
|------|--------------------------|-------------------------|------|-----------------|
| 1    | China                    | 5247671                 | *    | 37572750        |
| 2    | India                    | 1009203                 | *    | 6870000         |
| 3    | Russian Federation       | 353199                  | *    | 3312090         |
| 4    | Ukraine                  | 86568                   | *    | 1509300         |
| 5    | Poland                   | 196456                  | *    | 1337348         |
| 6    | Indonesia                | 196133                  | *    | 1335149         |
| 7    | Japan                    | 190970                  | *    | 1300000         |
| 8    | Romania                  | 132825                  | *    | 1004191         |
| 9    | United States of America | 133598                  | *    | 909450          |
| 10   | Germany                  | 120296                  | *    | 818900          |
| 11   | Turkey                   | 72684                   | *    | 706855          |
| 12   | Egypt                    | 95485                   | *    | 650000          |
|      | Belarus                  | 33595                   | *    | 593053          |
| 14   | Thailand                 | 75101                   | *    | 511244          |
| 15   | Uzbekistan               | 65700                   | *    | 486000          |
| 16   | Kazakhstan               | 48330                   | *    | 389000          |
| 17   | Italy                    | 48888                   | *    | 332800          |
| 18   | Serbia                   | 47913                   | *    | 326162          |
| 19   | Ethiopia                 | 44907                   | *    | 305701          |
| 20   | France                   | 34521                   | *    | 235000          |

## Cabbages



#### Yams

Dioscorea rotundata D. cayenensis D. alata D. opposita D. bulbifera D. esculenta D. trifida D. dumetorum

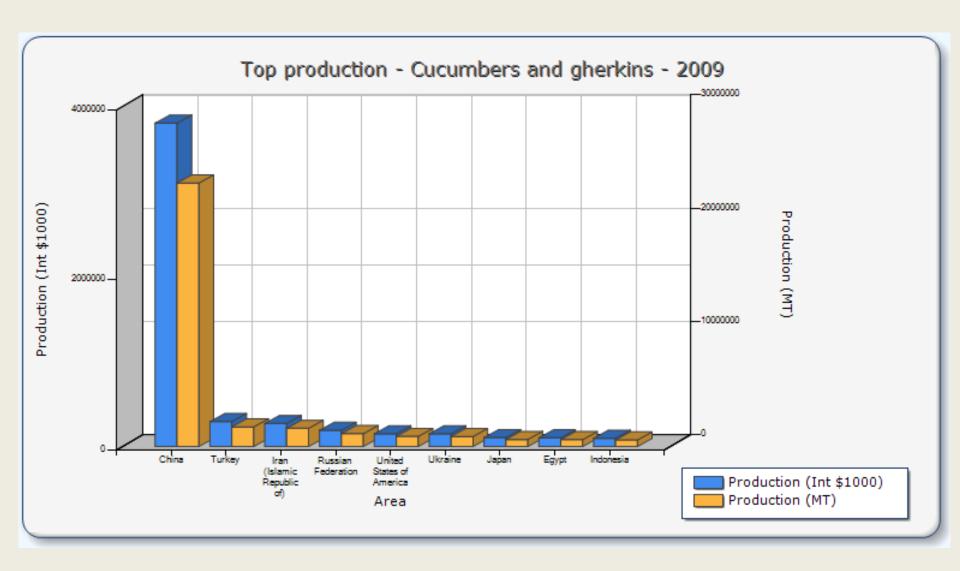


| Rank | Area                     | Production (Int \$1000) | Flag | Production (MT) |
|------|--------------------------|-------------------------|------|-----------------|
| 1    | Ghana                    | 1165922                 | *    | 5777900         |
| 2    | Central African Republic | 67196                   | *    | 370000          |
| 3    | Cameroon                 | 56501                   | *    | 350000          |
| 4    | Cuba                     | 37879                   | *    | 334716          |
| 5    | Colombia                 | 52201                   | *    | 297350          |
| 6    | Japan                    | 34808                   | *    | 190000          |
| 7    | Gabon                    | 23407                   | *    | 158000          |
| 8    | Costa Rica               | 5154                    | *    | 25542           |
| 9    | Philippines              | 3682                    | *    | 25000           |
| 10   | Comoros                  | 847                     | *    | 4200            |
| 11   | Kenya                    | 803                     | *    | 3984            |
| 12   | Samoa                    | 536                     | *    | 2953            |
| 13   | Portugal                 | 532                     | *    | 2700            |
| 14   | Fiji                     | 246                     | *    | 1222            |
| 15   | Barbados                 | 175                     | *    | 870             |
| 16   | Belize                   | 13                      | *    | 65              |
| 17   | Cayman Islands           | 3                       | *    | 18              |
| 18   | Armenia                  | 0                       |      | 0               |
| 18   | Afghanistan              | 0                       |      | 0               |
| 18   | Albania                  | 0                       |      | 0               |



## **Cucumber** (*Cucumis sativus*)

## Uborka



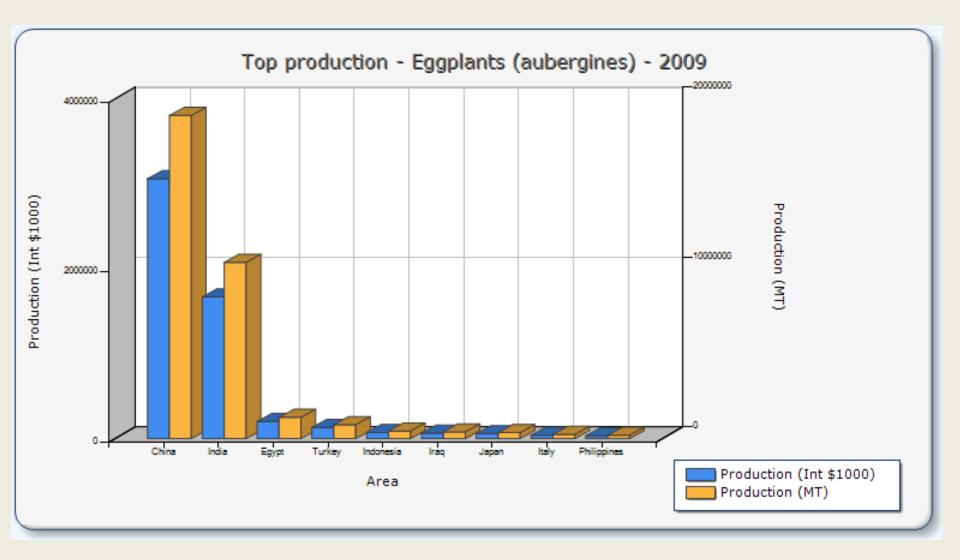
| Rank | Area                       | Production (Int \$1000) | Flag | Production (MT) |
|------|----------------------------|-------------------------|------|-----------------|
| 1    | China                      | 3804191                 | *    | 23247373        |
| 2    | Turkey                     | 292678                  | *    | 1735010         |
| 3    | Iran (Islamic Republic of) | 270534                  | *    | 1603737         |
| 4    | Russian Federation         | 191080                  | *    | 1132730         |
| 5    | United States of America   | 149827                  | *    | 888180          |
| 6    | Ukraine                    | 148953                  | *    | 883000          |
| 7    | Japan                      | 104621                  | *    | 620200          |
| 8    | Egypt                      | 101214                  | *    | 600000          |
| 9    | Indonesia                  | 97164                   | *    | 575995          |
| 10   | Spain                      | 89405                   | *    | 530000          |
| 11   | Poland                     | 81064                   | *    | 480553          |
| 12   | Iraq                       | 71009                   | *    | 420945          |
| 13   | Uzbekistan                 | 59041                   | *    | 350000          |
| 14   | Belarus                    | 34047                   | *    | 318179          |
| 15   | Kazakhstan                 | 48751                   | *    | 289000          |
| 16   | Azerbaijan                 | 32305                   | *    | 191507          |
| 17   | Germany                    | 31038                   | *    | 184000          |
| 18   | Romania                    | 29770                   | *    | 176482          |
| 19   | Cameroon                   | 23616                   | *    | 140000          |
| 20   | Jordan                     | 23225                   | *    | 137681          |

# Cucumbers



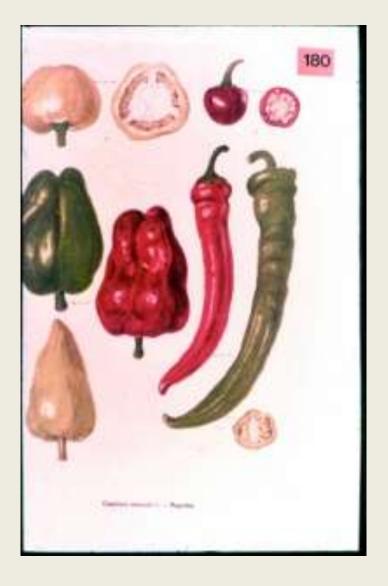
Eggplant (aubergine) (Solanum melongena)

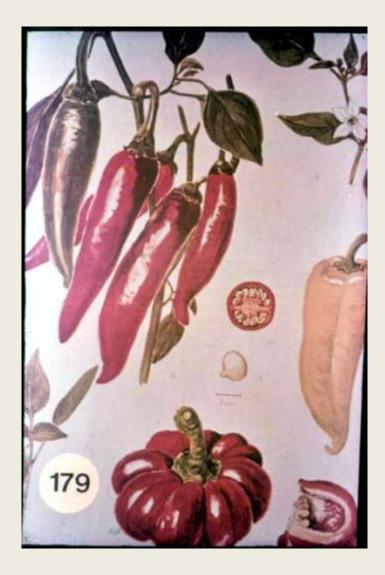
# Tojásgyümölcs / Padlizsán



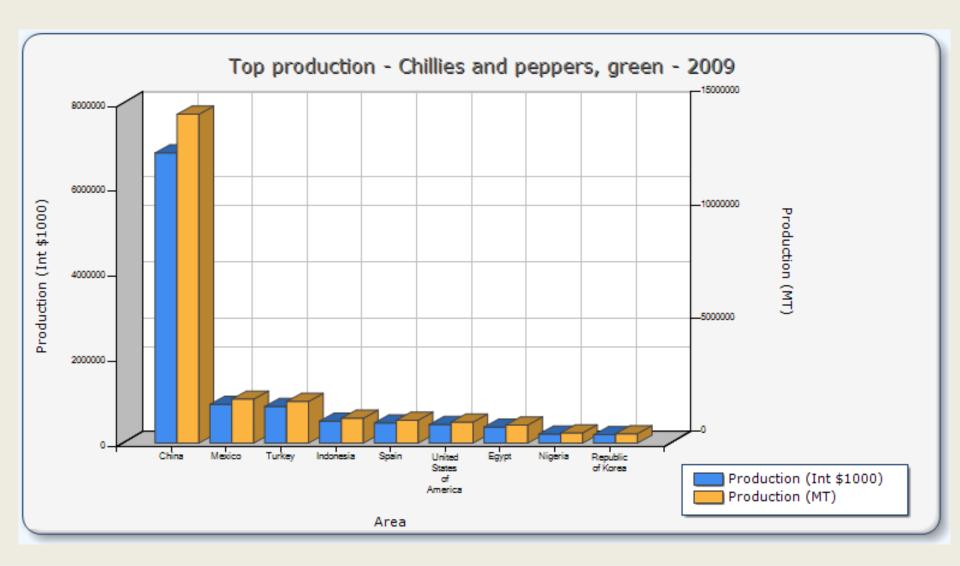
| Rank | Area                 | Production (Int \$1000) | Flag | Production (MT) |
|------|----------------------|-------------------------|------|-----------------|
| 1    | China                | 3060166                 | *    | 19026154        |
| 2    | India                | 1669197                 | *    | 10378000        |
| 3    | Egypt                | 201050                  | *    | 1250000         |
| 4    | Turkey               | 131266                  | *    | 816134          |
| 5    | Indonesia            | 72377                   | *    | 449997          |
| 6    | Iraq                 | 63717                   | *    | 396155          |
| 7    | Japan                | 56165                   | *    | 349200          |
| 8    | Italy                | 39454                   | *    | 245300          |
| 9    | Philippines          | 32319                   | *    | 200942          |
| 10   | Spain                | 28147                   | *    | 175000          |
| 11   | Romania              | 27115                   | *    | 168588          |
| 12   | Syrian Arab Republic | 23650                   | *    | 147041          |
| 13   | Jordan               | 17176                   | *    | 106793          |
| 14   | Sri Lanka            | 17110                   | *    | 106380          |
| 15   | Azerbaijan           | 16475                   | *    | 102433          |
| 16   | Greece               | 13671                   | *    | 85000           |
| 17   | Algeria              | 12274                   | *    | 76317           |
| 18   | Sudan                | 12159                   | *    | 75600           |
| 19   | Ukraine              | 11741                   | *    | 73000           |
| 20   | Kazakhstan           | . 7720                  | *    | 48000           |

# Eggplants



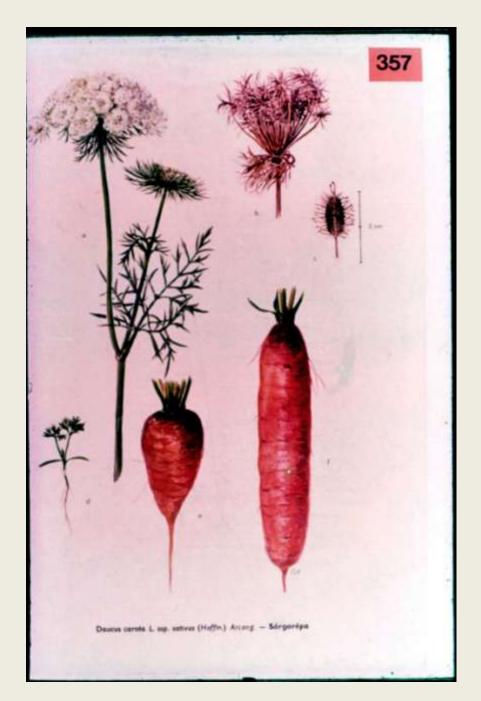


# **Paprika** (Capsicum annuum)



| Rank | Area                                      | Production (Int \$1000) | Flag | Production (MT) |
|------|---|-------------------------|------|-----------------|
| 1    | China                                     | 5012148                 | *    | 14524178        |
| 2    | Turkey                                    | 633931                  | *    | 1837003         |
| 3    | Spain                                     | 349127                  | *    | 1011700         |
| 4    | United States of America                  | 319788                  | *    | 926680          |
| 5    | Egypt                                     | 276072                  | *    | 800000          |
| 6    | Algeria                                   | 110066                  | *    | 318949          |
| 7    | Tunisia                                   | 100076                  | *    | 290000          |
| 8    | Ethiopia                                  | 86022                   | *    | 249276          |
| 9    | Romania                                   | 84775                   | *    | 245661          |
| 10   | Italy                                     | 79577                   | *    | 230600          |
| 11   | Serbia                                    | 59136                   | *    | 171366          |
| 12   | Hungary                                   | 58300                   | *    | 168944          |
| 13   | Ukraine                                   | 53592                   | *    | 155300          |
| 14   | The former Yugoslav Republic of Macedonia | 53409                   | *    | 154771          |
| 15   | Japan                                     | 49244                   | *    | 142700          |
| 16   | Argentina                                 | 43826                   | *    | 127000          |
| 17   | Greece                                    | 41410                   | *    | 120000          |
| 18   | Kazakhstan                                | 30367                   | *    | 88000           |
| 19   | Bulgaria                                  | 24663                   | *    | 71469           |
| 20   | Cuba                                      | 19556                   | *    | 56672           |

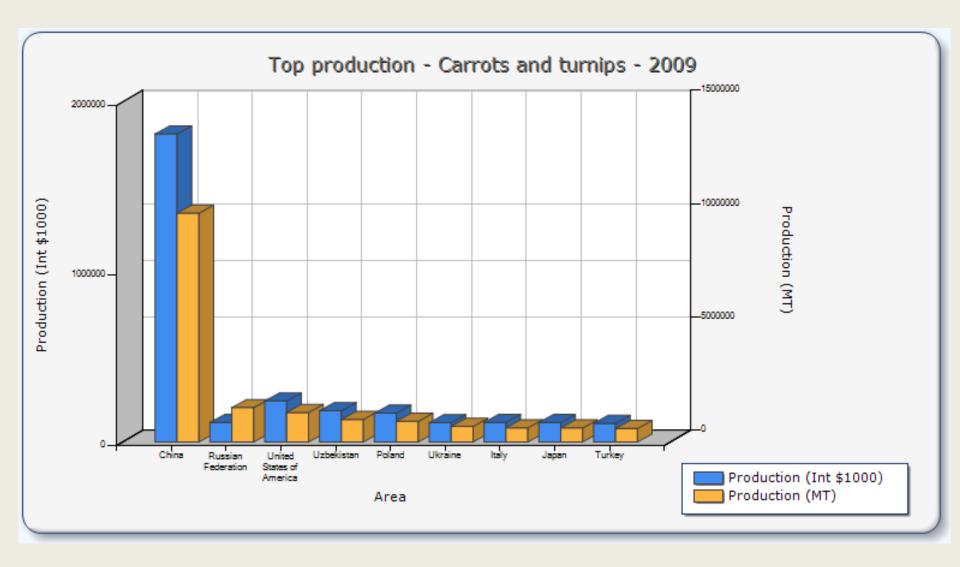
#### Peppers, green



#### Carrot

# (Daucus carota subsp. sativus

## Sárgarépa



| Rank | Area                     | Production (Int \$1000) | Flag | Production (MT) |
|------|--------------------------|-------------------------|------|-----------------|
| 1    | China                    | 1811969                 | *    | 10092319        |
| 2    | Russian Federation       | 114475                  | *    | 1518650         |
| 3    | United States of America | 241319                  | *    | 1304150         |
| 4    | Uzbekistan               | 184114                  | *    | 995000          |
| 5    | Poland                   | 168997                  | *    | 913304          |
| 6    | Ukraine                  | 113318                  | *    | 686400          |
| 7    | Italy                    | 115372                  | *    | 623500          |
| 8    | Japan                    | 1 <mark>1</mark> 4724   | *    | 620000          |
| 9    | Turkey                   | 109844                  | *    | 593628          |
| 10   | Germany                  | 90577                   | *    | 569500          |
| 11   | Spain                    | 99664                   | *    | 550000          |
| 12   | Belarus                  | 10208                   | *    | 360984          |
| 13   | Canada                   | 63335                   | *    | 358991          |
| 14   | Indonesia                | 65312                   | *    | 352963          |
| 15   | France                   | 55512                   | *    | 300000          |
| 16   | Colombia                 | 47052                   | *    | 299170          |
| 17   | Kazakhstan               | 54031                   | *    | 292000          |
| 18   | Morocco                  | 51811                   | *    | 280000          |
| 19   | Algeria                  | 50186                   | *    | 271219          |
| 20   | Australia                | 48763                   | *    | 263527          |

#### Carrots

Rank of Hungary by the vegetable production in the World

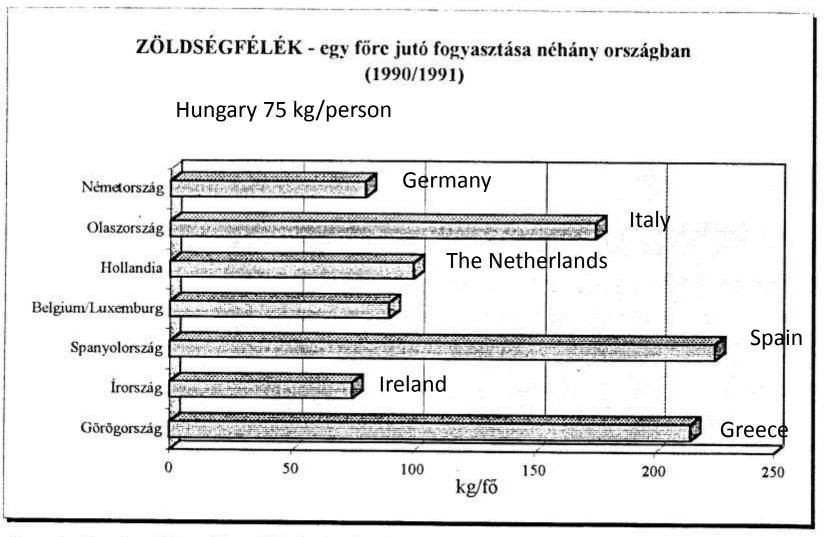
#### Rank Commodity by quantity

| 4 | Maize, green |
|---|--------------|
|---|--------------|

- 10 Peas, green
- 19 Chillies and peppers, dry
- 19 Mushrooms and truffles
- 20 Asparagus
- 20 Chillies and peppers, green
- 28 Beans, green
- 29 Leeks, other alliaceous veg

# Vegetable Consumption /1974, FAO/

| /Level of development/                       | Mass of consumpt   | Rate (%)         |     |
|--|--------------------|------------------|-----|
|  | kg/year/<br>person | g/day/pe<br>rson |     |
| World Average                                | 58                 | 158              | 100 |
| Developing countries'<br>average consumption | 46                 | 126              | 79  |
| Developed countries'<br>average consumption  | 92                 | 252              | 158 |



Forrás: Tendenciák a friss zöldségek piacain

3. ábra

Vegetable consumption in European countries