

UPDATE OF THE WORLD'S ASPARAGUS PRODUCTION AREAS, SPEAR UTILIZATION AND PRODUCTION PERIODS

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Abstract

The estimates of asparagus producing areas, the periods of spear production and the utilization of spears are presented for the world's asparagus producing countries. These data are based on contacts with international asparagus researchers, growers and industry representatives. This poster presentation was a working poster display affording the participants of the 10th International Asparagus Symposium the opportunity to update and amend the presented data. The amended data is presented in this paper.

Table 1. Estimates of the world asparagus production areas, area increases and decreases and the type of spear utilization, by the participants of the 10th International Asparagus Symposium (2001).

| <u>Countries</u> | <u>Hectares</u> | <u>Area¹</u> | <u>Spear Utilization</u> |
|----------------------|-----------------|-------------------------|--------------------------|
| <u>EUROPE</u> | | | |
| Austria | 250 | + | 95% white, 5% green |
| Belgium | 300 | 0 | 99% white, 1% green |
| Cyprus | 200 | 0 | 100% white |
| Denmark | 200 | 0 | 100% white |
| France | 10,500 | - | 95% white, 5% green |
| Germany | 14,500 | + | 98% white, 2% green |
| Greece | 6,000 | + | 95% white, 5% green |
| Hungary | 500 | + | 100% white |
| Italy | 6,000 | - | 15% white, 85% green |
| Netherlands | 2,275 | - | 98% white, 2% green |
| Poland | 1,500 | + | 98% white, 2% green |
| Portugal | 200 | 0 | 90% white, 10% green |
| Romania | 50 | + | 100% white |
| Spain | 17,000 | + | 80% white, 20% green |
| Switzerland | 200 | 0 | 35% white, 65% green |
| United Kingdom | 900 | + | 100% green |
| TOTAL | 60,575 | | |
| <u>ASIA</u> | | | |
| China | 90,000 | + | 70% white, 30% green |
| India | 100 | + | no data available |
| Indonesia | 100 | + | 10% white, 90% green |
| Israel | 150 | 0 | no data available |
| Japan | 6,700 | + | 3% white, 97% green |
| Malaysia | 200 | + | no data available |
| Philippines | 1,200 | + | 100% green |
| Sri Lanka | 50 | + | no data available |
| Taiwan | 1,500 | 0 | 95% white, 5% green |
| Thailand | 1,568 | + | 100% green |
| Turkey | 50 | 0 | no data available |
| Vietnam | 10 | + | 100% green |
| TOTAL | 101,628 | | |

AUSTRALIAN AREA

| | | | |
|---------------|--------------|---|----------------------|
| Australia | 4,500 | + | 100% green |
| New Zealand | 2,177 | - | 99% green, 1% purple |
| Western Samoa | 10 | 0 | 100% green |
| TOTAL | 6,687 | | |

Area¹, + increasing, - decreasing, 0 stable

Table 1. (Cont.) Estimates of the world asparagus production areas, area increases and decrease and the type of spear utilization by the participants of the 10th International Asparagus Symposium (2001).

| <u>Countries</u> | <u>Hectares</u> | <u>Area¹</u> | <u>Spear Utilization</u> |
|-----------------------------|-----------------|-------------------------|--------------------------|
| <u>NORTH AMERICA</u> | | | |
| Canada | 1,500 | + | 1% white, 99% green |
| Costa Rica | 20 | + | 100% green |
| El Salvador | 50 | + | 100% green |
| Guatemala | 400 | + | 3% white, 97% green |
| Honduras | 10 | + | 100% green |
| Mexico | 15,000 | + | 2% white, 98% green |
| Nicaragua | 210 | + | 100% green |
| Panama | 50 | + | 100% green |
| United States | 33,500 | 0 | 100% green |
| Hawaii | 70 | + | 100% green |
| TOTAL | 50,810 | | |
| <u>SOUTH AMERICA</u> | | | |
| Argentina | 2,000 | + | 50% white, 50% green |
| Brazil | 600 | + | 80% white, 20% green |
| Chile | 4,200 | 0 | 1% white, 99% green |
| Colombia | 800 | + | 60% white, 40% green |
| Ecuador | 550 | + | 10% white, 90% green |
| Peru | 20,000 | + | 50% white, 50% green |
| Uruguay | 600 | + | 100% green |
| Venezuela | 50 | 0 | 100% green |
| TOTAL | 28,800 | | |
| <u>AFRICA</u> | | | |
| Egypt | 50 | 0 | 20% white, 80% green |
| Ethiopia | 20 | 0 | no data available |
| Ghana | 10 | 0 | no data available |
| Kenya | 200 | + | no data available |

| | | | | | |
|--------------|--------------|-----|---|---|----------------------|
| Lesotho | 300 | | + | | 100% white |
| Malawi | | 10 | | 0 | no data available |
| Morocco | 600 | | + | | no data available |
| Namibia | 15 | | + | | 60% white, 40% green |
| South Africa | 2,500 | | 0 | | 85% white, 15% green |
| Tunisia | 100 | | + | | 50% white, 50% green |
| Uganda | 40 | | 0 | | 100% green |
| Zambia | | 150 | | + | 100% green |
| Zimbabwe | 0 | | - | | 100% green |
| TOTAL | 3,945 | | | | |

WORLD TOTAL 253,445 Hectares

Area¹, + increasing, - decreasing, 0 stable

Table 2. Estimations of the utilization of spears by asparagus producing countries by the participants of the 10th International Asparagus Symposium (2001). Those countries whose data were not available were omitted from this table.

Percentages of spears marketed or utilized for:

| COUNTRY | Fresh | Canned | Frozen | Domestic | Export |
|-------------------|--------------|---------------|---------------|-----------------|---------------|
| EUROPE | | | | | |
| Austria | 100 | | | 100 | |
| Belgium | 98 | 2 | | 80 | 20 |
| France | 100 | | | 80 | 20 |
| Germany | 100 | | | 95 | 5 |
| Greece | 100 | | | 10 | 90 |
| Hungary | 100 | | | 10 | 90 |
| Israel | 100 | | | 100 | |
| Italy | 100 | | | 95 | 5 |
| Netherlands | 90 | 10 | | 20 | 80 |
| Poland | 90 | 10 | | 50 | 50 |
| Spain | No Data | | | 50 | 50 |
| United Kingdom | 100 | | | 100 | |
| ASIA | | | | | |
| China | 25 | 55 | 20 | 35 | 65 |
| Indonesia | 100 | | | 100 | |
| Japan | 90 | 10 | | 50 | 50 |
| Malaysia | 100 | | | 100 | |
| Philippines | 100 | | | 1 | 99 |
| Thailand | 98 | 2 | | 35 | 65 |
| AUSTRALIAN | | | | | |

| AREA | | | | | |
|-------------------|-----|----|----|-----|-----|
| Australia | 90 | 10 | | 40 | 60 |
| New Zealand | 44 | 28 | 28 | 50 | 50 |
| Western Samoa | 100 | | | 100 | |
| SO.AMERICA | | | | | |
| Argentina | 70 | 30 | | 40 | 60 |
| Chile | 50 | | 50 | 30 | 70 |
| Colombia | 30 | 70 | | 10 | 90 |
| Ecuador | 90 | 10 | | | 100 |
| Peru | 45 | 50 | 5 | 1 | 99 |
| Uruguay | 80 | | 20 | 80 | 20 |
| Venezuela | 100 | | | 100 | |
| NO.AMERICA | | | | | |
| Canada | 88 | 12 | | 100 | |
| Costa Rica | 100 | | | | 100 |
| El Salvador | 100 | | | | 100 |
| Guatemala | 100 | | | | 100 |
| Mexico | 90 | | 10 | 5 | 95 |
| United States | 50 | 40 | 10 | 80 | 20 |

Table 2. (Cont.) Estimations of the utilization of spears by asparagus producing countries by the participants of the 10th International Asparagus Symposium (2001). Those countries whose data were not available were omitted from this table.

Percentages of spears marketed or utilized for:

| COUNTRY | Fresh | Canned | Frozen | Domestic | Export |
|----------------|--------------|---------------|---------------|-----------------|---------------|
| AFRICA | | | | | |
| Egypt | 100 | | | 5 | 95 |
| Lesotho | | 100 | | | 100 |
| Morocco | 100 | | | | 100 |
| Namibia | 100 | | | 40 | 60 |
| South Africa | 35 | 65 | | 15 | 85 |
| Zambia | 100 | | | | 100 |
| Zimbabwe | | | | 10 | 90 |

Table 3. Periods of spear production in asparagus producing countries.

[illegible]

Table 3. (Continued) Periods of spear production in asparagus producing countries.

| COUNTRY | J | F | M | A | M | J | J | A | S | O | N | D |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| AUSTRALIAN AREA | | | | | | | | | | | | |
| Australia | xxxx | xxxx | xxxx | xxxx | | | | xxxx | xxxx | xxxx | xxxx | xxxx |
| New Zealand | xxxx | | | | | | xx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Western Samoa | | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | | |
| SOUTH AMERICA | | | | | | | | | | | | |
| Argentina | | | | | | | | xx | xxxx | xxxx | xxxx | xxxx |
| Brazil | xxxx | xxxx | xxxx | | | | | | | | xxxx | xxxx |
| Chile | | | | | | | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Colombia | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Ecuador | xxxx | xxxx | | | | | xx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Peru | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Uruguay | | | | | | | | | xxxx | xxxx | xxxx | x |
| Venezuela | xxxx | | | | | | | | | | xxxx | xxxx |
| NORTH AMERICA | | | | | | | | | | | | |
| Canada | | | | | xxxx | xxx | | | | | | |
| Costa Rica | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| El Salvador | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Guatemala | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Honduras | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Mexico | xxxx | xxxx | xxxx | xxxx | | xxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx |
| Panama | xxxx | | | | | | | | xxxx | xxxx | xxxx | xxxx |
| United States | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | | |
| AFRICA | | | | | | | | | | | | |
| Egypt | xxxx | xxxx | xxxx | | | | | | | | | |
| Ethiopia | xxxx | xxxx | | | | | | | | xxxx | xxxx | xxxx |
| Kenya | xxxx | xxxx | | | | | | xxxx | xxxx | xxxx | xxxx | xxxx |
| Lesotho | xxxx | | | | | | | | xxxx | xxxx | xxxx | xxxx |
| Morocco | x | xxxx | xxxx | xxx | | | | | | | | |
| Namibia | | xxxx | xxxx | xxxx | | | | | xxxx | xxxx | xxxx | |
| South Africa | | | | | | | | | xxxx | xxxx | xxxx | |
| Tunisia | x | xxxx | xxxx | xx | | | | | | | | |
| Zambia | xxxx | xxxx | | | | | | | | | | |
| Zimbabwe | xxxx | xxxx | | | | | | xxxx | xxxx | xxxx | xxxx | xxxx |

Table 4. Estimated hectares of asparagus production separated by hemispheres and total world from Table 1. (countries without spear utilization data in Table 1 have been omitted from these data).

| <u>HEMISPHERES</u> | | | <u>HECTARES</u> | | | |
|--------------------|--------------|----------|-----------------|----------|--------------|----------|
| | <u>TOTAL</u> | <u>%</u> | <u>WHITE</u> | <u>%</u> | <u>GREEN</u> | <u>%</u> |
| NORTHERN | 213,163 | 84% | 115,272 | 54% | 97,891 | 46% |
| SOUTHERN | 37,744 | 16% | 14,063 | 37% | 23,681 | 63% |
| ----- | | | ----- | | | |
| WESTERN | 97,510 | 39% | 26,164 | 27% | 71,346 | 73% |
| EASTERN | 153,397 | 61% | 103,171 | 67% | 50,226 | 33% |
| ----- | | | ----- | | | |
| TOTAL WORLD | 250,907 | 100% | 129,335 | 52% | 121,572 | 48% |