

## Small Fruit Berry Crops:

Production and marketing overview

Mark Gaskell, Ph.D.
University of California Cooperative Extension





Blueberry (Les myrtilles)



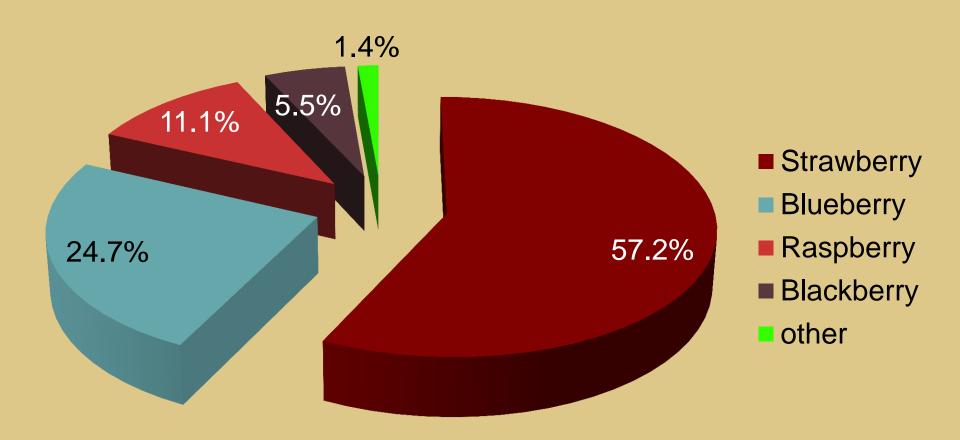
Blackberry(Les mûres)



Raspberry(Les framboises)

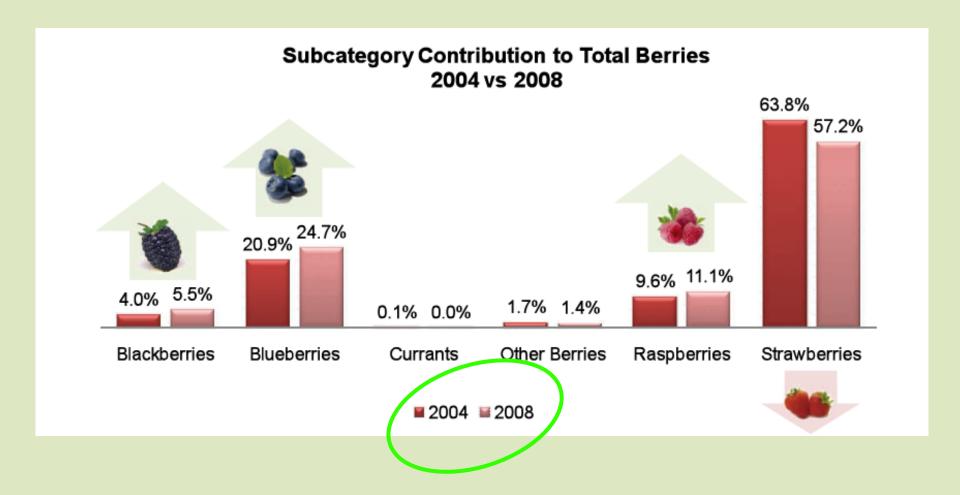


#### U.S. Sales of Small Fruits - 2008





#### Consumer demand for small fruits - US



source: FreshFacts- www.perishablesgroup.com



## United Kingdom Small Fruit Market

|            | 2009          | 2010          |
|------------|---------------|---------------|
|            | (million pour | nds)          |
| Strawberry | 383.4 (61.5%) | 394.1 (60%)   |
| RASPBERRY  | 117.1 (18.8%) | 124.2 (18.7%) |
| BLUEBERRY  | 96.4 (15.5%)  | 117.6 (17.7%) |
| BLACKBERRY | 25.9 (4.1%)   | 25.9 (3.9%)   |
| TOTALS     | 622.8         | 661.8         |



#### United Kingdom Small Fruit Market

|            | 2009          | 2010          |
|------------|---------------|---------------|
|            | (million poun | ds)           |
| Strawberry | 383.4 (61.5%) | 394.1 (60%)   |
| RASPBERRY  | 117.1 (18.8%) | 124.2 (18.7%) |
| BLUEBERRY  | 96.4 (15.5%)  | 117.6 (17.7%) |
| BLACKBERRY | 25.9 (4.1%)   | 25.9 (3.9%)   |
|            |               |               |
| TOTALS     | 622.8         | 661.8         |

January 2012 UK supermarket chains reporting weekly sales for blackberrries up 98% and blueberries up 16% over same time prior year



Small perennial shrubs or vines









- Small perennial shrubs or vines.
- Share many production and marketing characteristics with strawberry.
- Raspberries, blueberries, and blackberries increasing importance over past 10-15 years.
- Historically cultivated in temperate cold areas.
  - > now also into subtropical areas of US, Spain, Morocco and highland tropics in Mexico and Central America



- Small perennial shrubs or vines.
- Share many production and marketing characteristics with strawberry.
- Raspberries, blueberries, and blackberries increasing importance over past 10-15 years.
  - Historically cultivated in temperate cold areas.
    - > now also into subtropical areas of US, Spain, Morocco and highland tropics in Mexico and Central America



- Small perennial shrubs or vines
- Share many production and marketing characteristics with strawberry
- Raspberries, blueberries, and blackberries increasing importance over past 10-15 years.
  - Historically cultivated in temperate cold areas
     > now also into subtropical areas of US, Spain,
     Portugal, Morocco and highland tropics in
     Mexico and Central America



#### Opportunities for small fruit crops

 Out of season production > October to May / June > investigate other mid season markets?

Create jobs in rural areas – high labor requirement.

Well adapted to many mild, coastal areas for offseason production



- Out of season production > October to May / June > investigate other mid season markets?
- Create jobs in rural areas high labor requirement.

Well adapted to many mild, coastal areas for offseason production



- Out of season production > October to May / June > investigate other mid season markets?
- Create jobs in rural areas high labor requirement.
- Well adapted to many mild, coastal areas for offseason production



#### Fresh market or processing?

- Best opportunities are for <u>fresh</u> market emphasis.
  - > best utilizes geographic, climate advantages
- Use processing market for volume of product that cannot be marketed fresh.





#### Small fruit berry crops - need for research

- New varieties constantly with improved productivity and quality.
  - need to be evaluated in specific environments especially with regard to the market
- Need for continuing research on variety development, cultural practices, pests / disease management.
- Use of field tunnels improves yield / quality during off season.
   not always justified





- Other small fruit crops can also utilize infrastructure and experience from existing strawberry industry.
- Important for employment and rural economies.
- Especially important for unemployed women.
- Additional options:
  - summer and autumn exports,
  - domestic sales, tourism
  - organic (biologique) production



- Other small fruit crops can also utilize infrastructure and experience from existing strawberry industry.
- Important for employment and rural economies.
- Especially important for unemployed women.
- Additional options:
  - summer and autumn exports,
  - domestic sales, tourism
  - organic (biologique) production



- Other small fruit crops can also utilize infrastructure and experience from existing strawberry industry.
- Important for employment and rural economies.
- Especially important for unemployed women.
- Additional options:
  - summer and autumn exports,
  - domestic sales, tourism
  - organic (biologique) production





- Other small fruit crops can also utilize infrastructure and experience from existing strawberry industry.
- Important for employment and rural economies.
- Especially important for unemployed women.
- Additional options:
  - summer and autumn exports,
  - domestic sales, tourism
  - organic (biologique) production





- Growing demand in EU and concentrated effort among EU supermarkets
  - > more specialized market with premium prices
- Higher costs of production and more demanding management
  - > specialized skills and special research needs
- Important to have close connection with production and specialized post harvest handling and marketing.

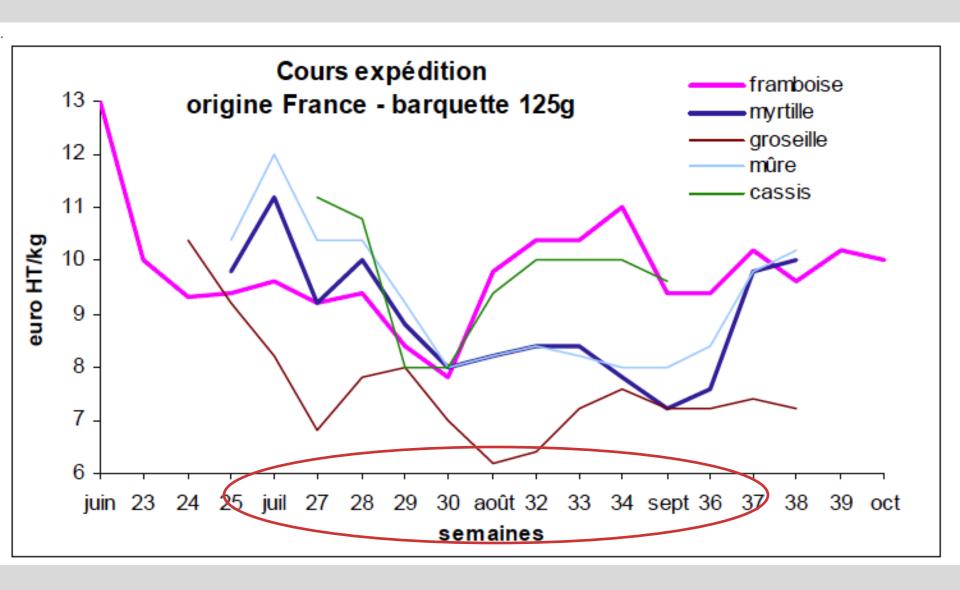




#### Current market sources for small fruits

- Growing market in EU supplied by Chile, Argentina, Mexico, South Africa, Spain + recently Morocco.
- Popular fruits in many areas of Europe where production limited to June and July.
- Mild climates and established market channels offer many advantages for Portugal.

#### 2010 France – wholesale price in domestic market





# Blueberry situation





#### Blueberry nutraceutical value

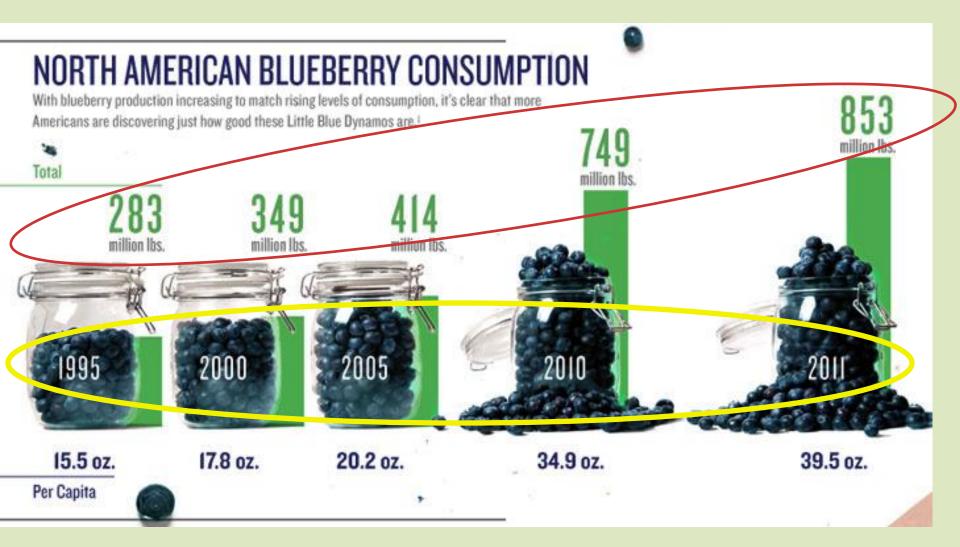
# BLUEBERRIES A Handful of Health

Plump, juicy, and sweet, with vibrant colors ranging from deep purple-blue to blue-black and highlighted by a silvery sheen called a bloom, blueberries are one of nature's great treasures. Though miniature in size, they are also proof that, when it comes to health benefits, good things really do come in small packages.



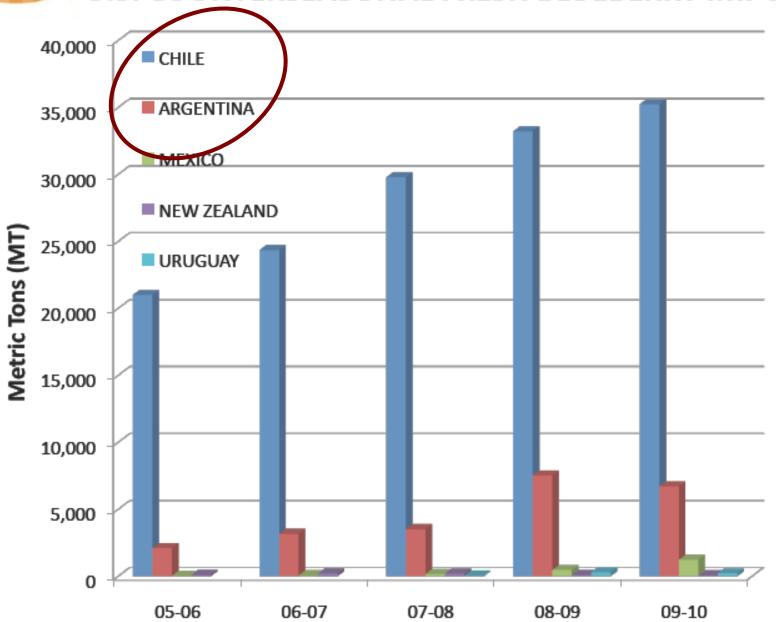








#### U.S. COUNTERSEASONAL FRESH BLUEBERRY IMPORTS



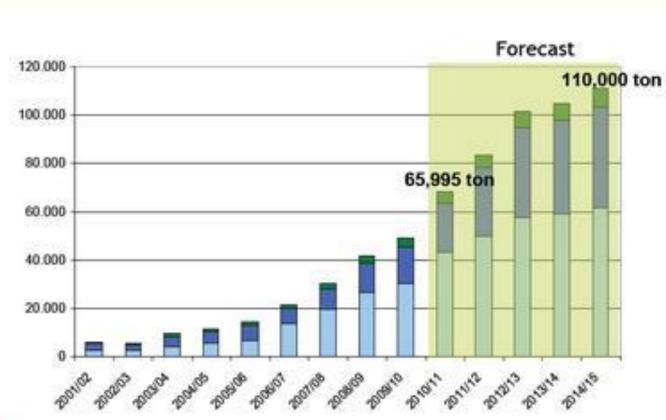
Source: Honigberg (Sunbelle Mktg) GBC Monterey, CA 2011



#### Blueberry production and export - Chile

#### **Export Forecast**





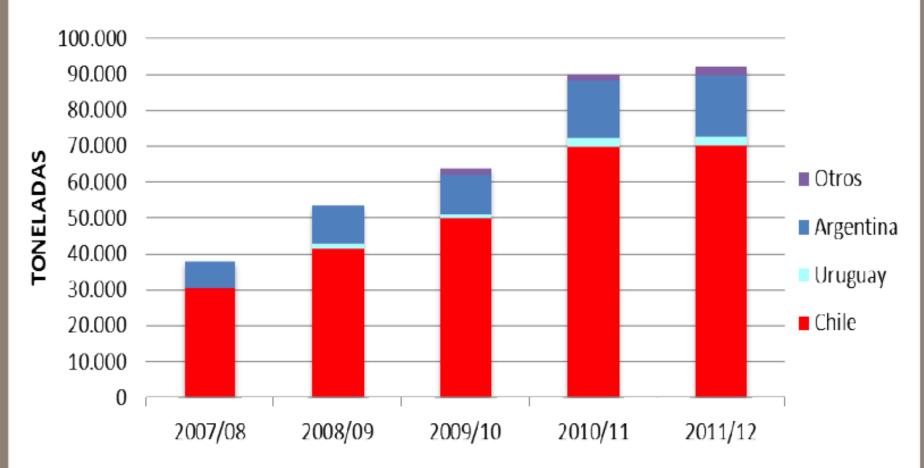






## Blueberry production and export - Chile

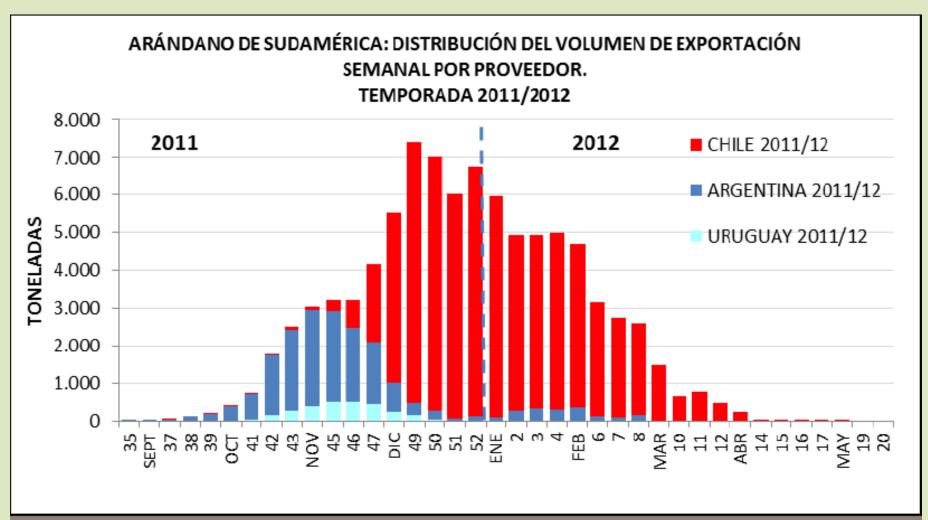




Fuente: MAG / SAG - ASOEX / iQonsulting.



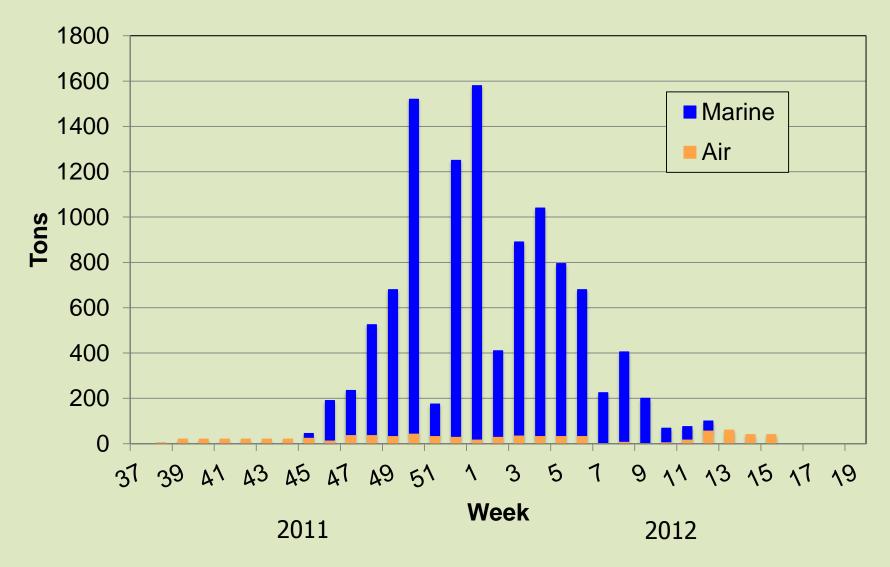
## Blueberry production and export - South America



Fuente: SAG - ASOEX / MAG / iQonsulting.



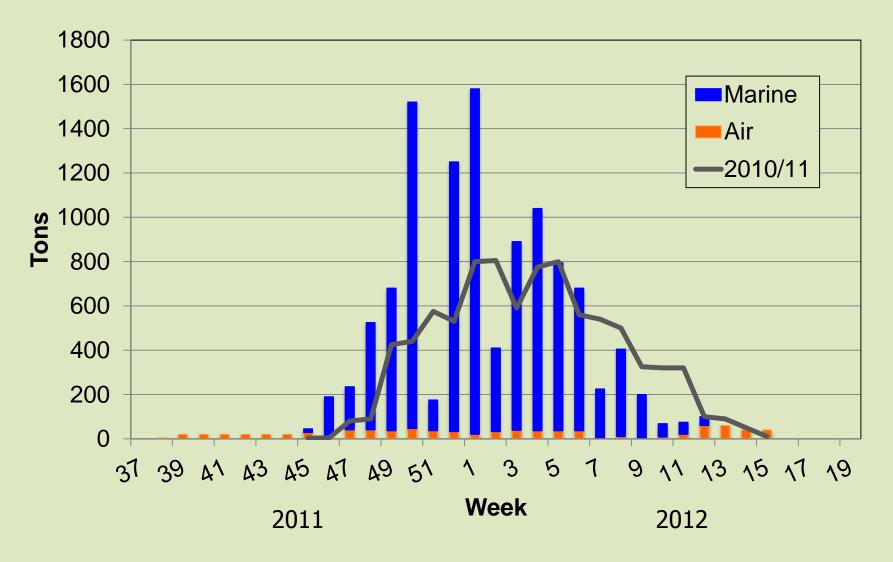
#### Weekly EU market Chilean blueberry shipping volume by mode of transport – 2011 / 2012 season



Source: ARANDANOS - MERCADO INTERNACIONAL Y EXPECTATIVAS PARA LA OFERTA DE CHILE, Quiros Consulting

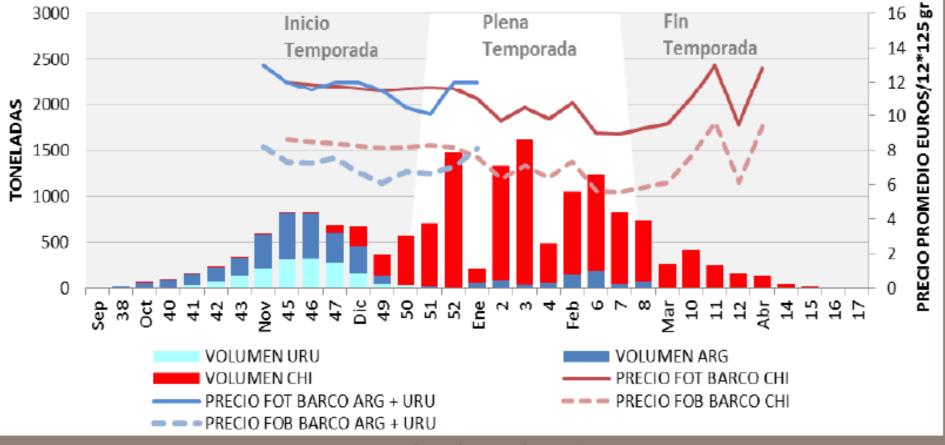


# Weekly EU market Chilean blueberry shipping volume by mode of transport – 2011 / 2012 season



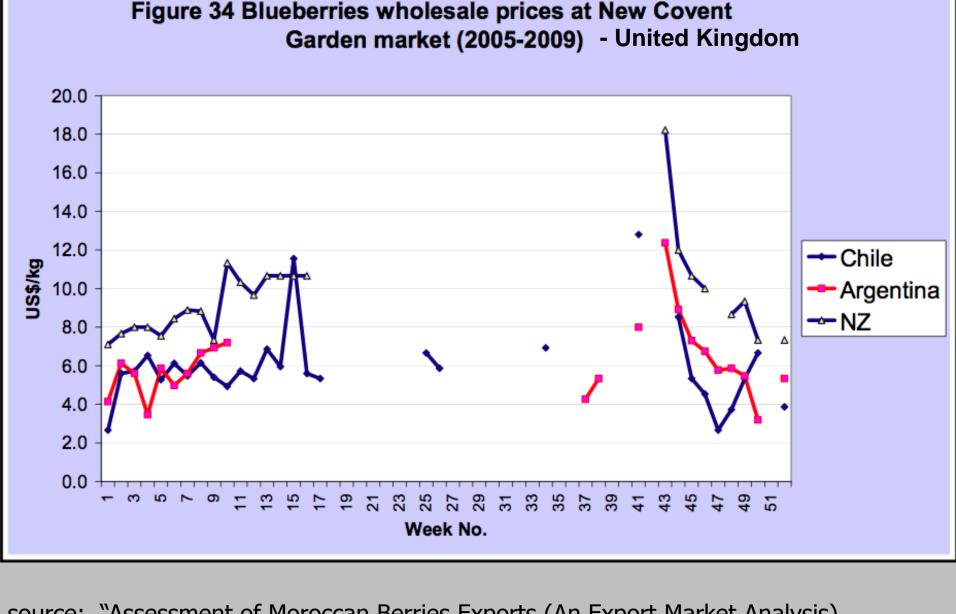
Source: ARANDANOS - MERCADO INTERNACIONAL Y EXPECTATIVAS PARA LA OFERTA DE CHILE, Quiros Consulting

# ARÁNDANO SUDAMÉRICA: ARRIBOS SEMANALES Y PRECIO FOT Y FOB AL MERCADO DE EUROPA TEMPORADA 2011/12



#### Fuente: MAG / SAG / ASOEX / iQonsulting.

| TEMPORADA | EE.UU. | CANADA | EUROPA | LEJANO ORIENTE | MEDIO ORIENTE | LATINOAMERICA | TOTAL  |
|-----------|--------|--------|--------|----------------|---------------|---------------|--------|
| 2009/10   | 40.807 | 409    | 7.124  | 1.481          | 66            | 3             | 49.890 |
| 2010/11   | 58.592 | 683    | 8.620  | 1.945          | 16            | 66            | 69.922 |
| 2011/12   | 54.862 | 816    | 11.363 | 2.884          | 98            | 79            | 70.102 |
| % VAR     | -6%    | 19%    | 32%    | 48%            | 513%          | 20%           | 0,3%   |



source: "Assessment of Moroccan Berries Exports (An Export Market Analysis), Moroccan Integrated Agriculture and Agribusiness Program, United States Agency for International Development, Rabat. 2010.



#### Off-season blueberry summary

- Argentina and Chile ship ~ 20,000 tonnes to EU.
- Moroccan blueberry acreage increasing + 500 ha planted or planned
  - 1000 ha within a decade





#### Off-season blueberry summary

- Argentina and Chile ship ~ 20,000 tonnes to EU.
- Moroccan blueberry acreage increasing + 500 ha planted or planned.
  - 1000 ha within a decade



### Off-season blueberry summary

- Argentina and Chile ship ~ 20,000 tonnes to EU
- Moroccan blueberry acreage increasing + 500 ha planted or planned.
  - 1000 ha within a decade



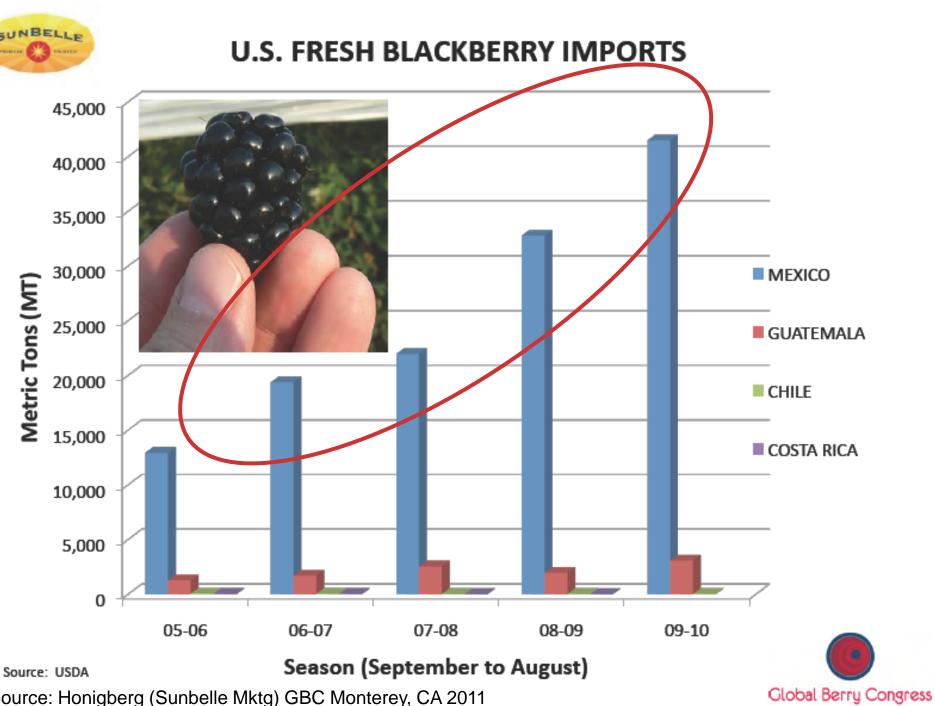
### Raspberry situation



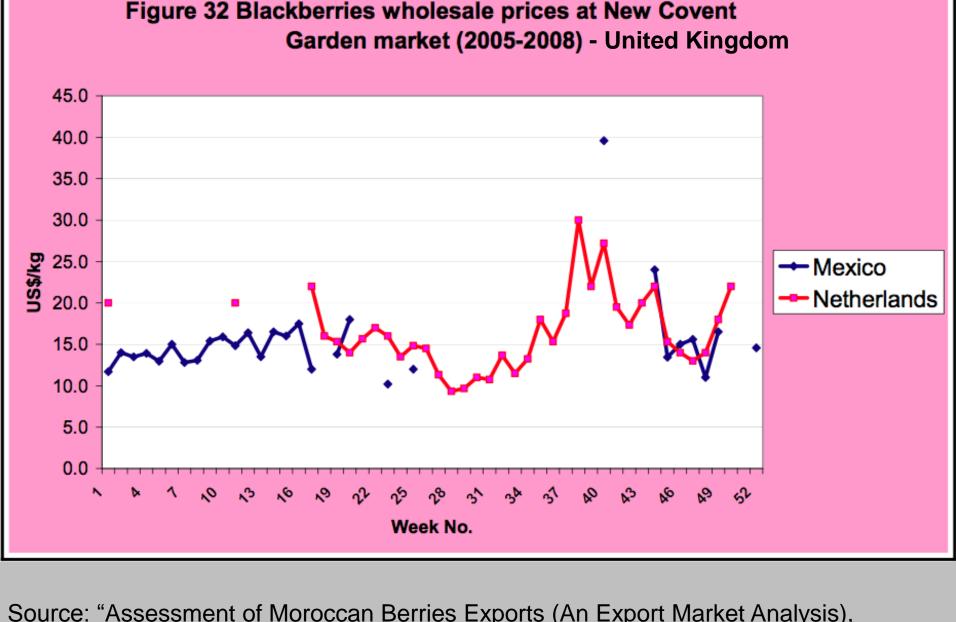


## Blackberry situation





Source: Honigberg (Sunbelle Mktg) GBC Monterey, CA 2011



Source: "Assessment of Moroccan Berries Exports (An Export Market Analysis), Moroccan Integrated Agriculture and Agribusiness Program, United States Agency for International Development, Rabat. 2010.



### Blackberry production in Mexico

- Considerable effort in recent years in improving production and management and breeding new varieties.
- 10,000 ha of blackberries in MX and
   expect to double in next 10 yrs.

>>> now 80,000 workers involved in berry production and marketing in Mexico.



### Off-season blackberry summary

- EU market heavily supplied by Mexico, some starting in Portugal from research underway.
- Blackberry still experimental in Morocco and Spain
- Blackberry production in Morocco promising and will expand based on research and experience in California, Portugal, Spain



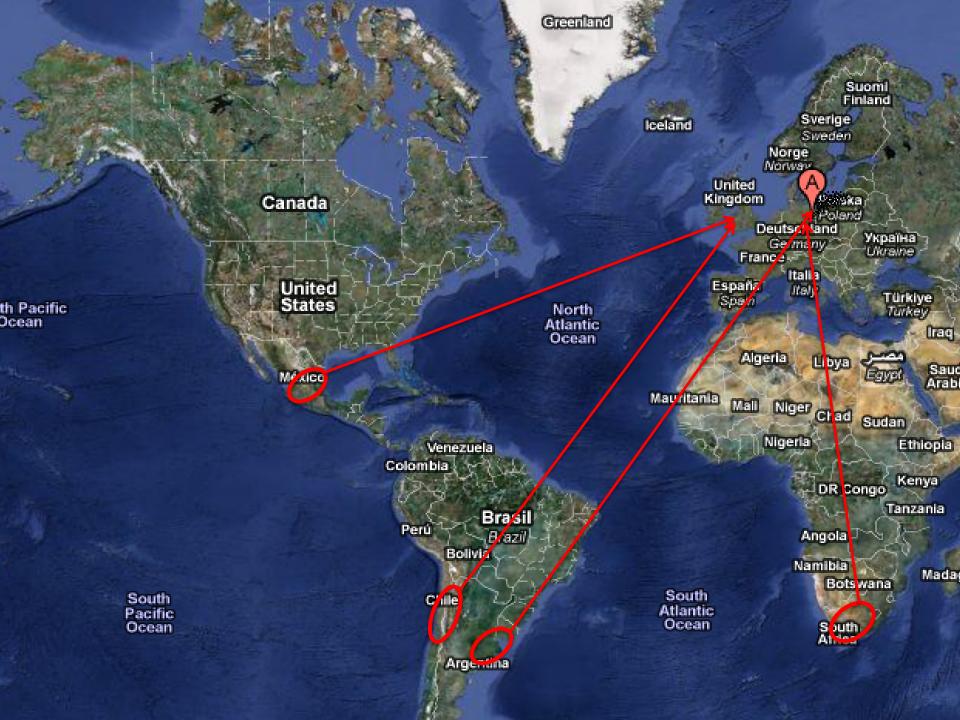
### Off-season blackberry summary

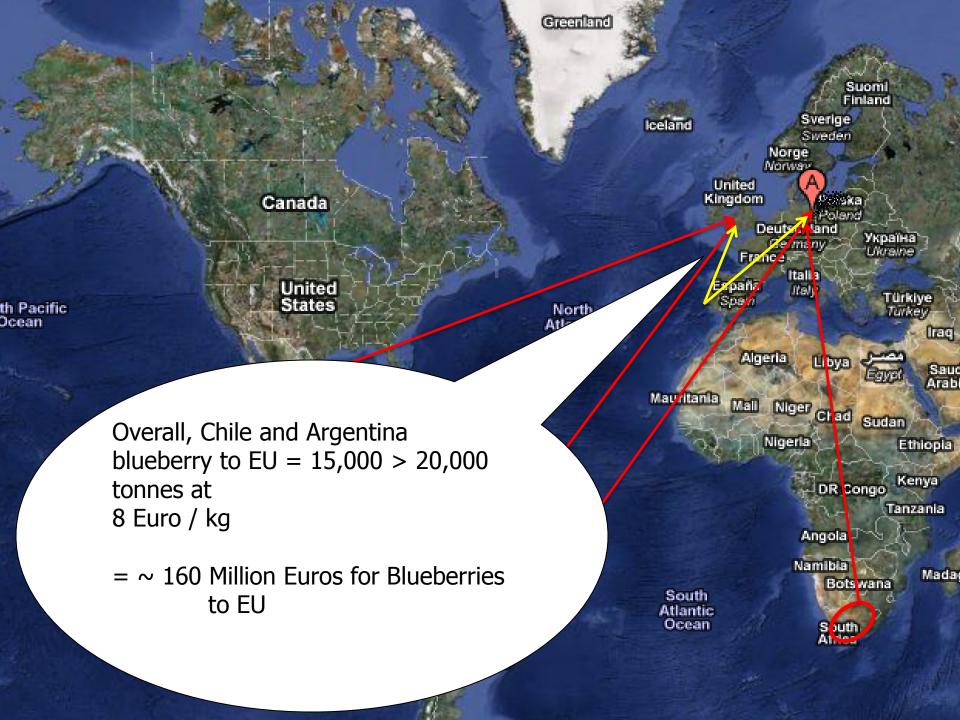
- EU market heavily supplied by Mexico, some starting in Portugal from research underway.
- Blackberry still experimental in Morocco and Spain.
- Blackberry production in Morocco promising and will expand based on research and experience in California, Portugal, Spain



### Off-season blackberry summary

- EU market heavily supplied by Mexico, some starting in Portugal from research underway.
- Blackberry still experimental in Morocco and Spain.
- Blackberry production in Morocco promising and will expand based on research and experience in California, Portugal, Spain.







### Small Fruit Berry Crops:

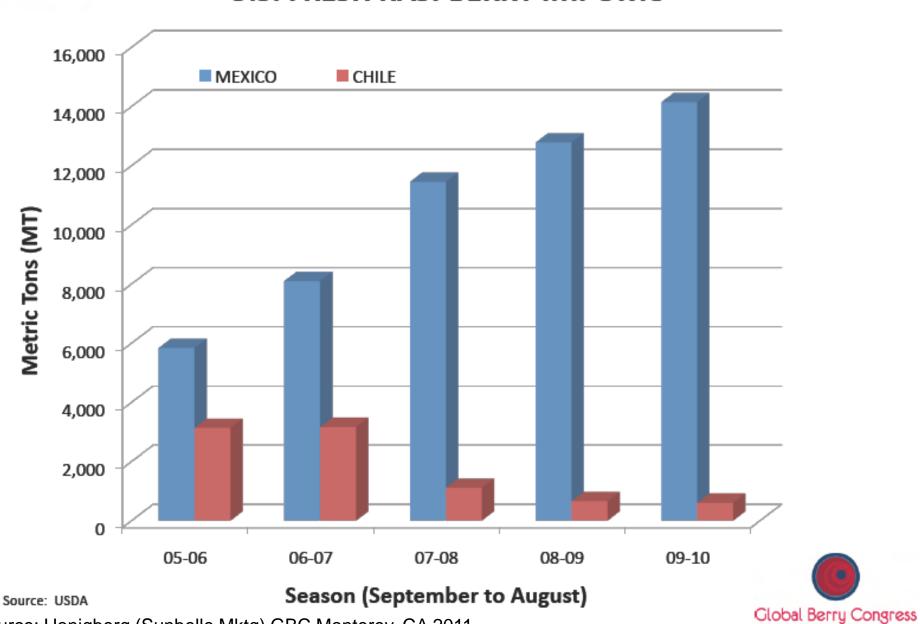
Production and marketing overview

Mark Gaskell, Ph.D.
University of California Cooperative Extension

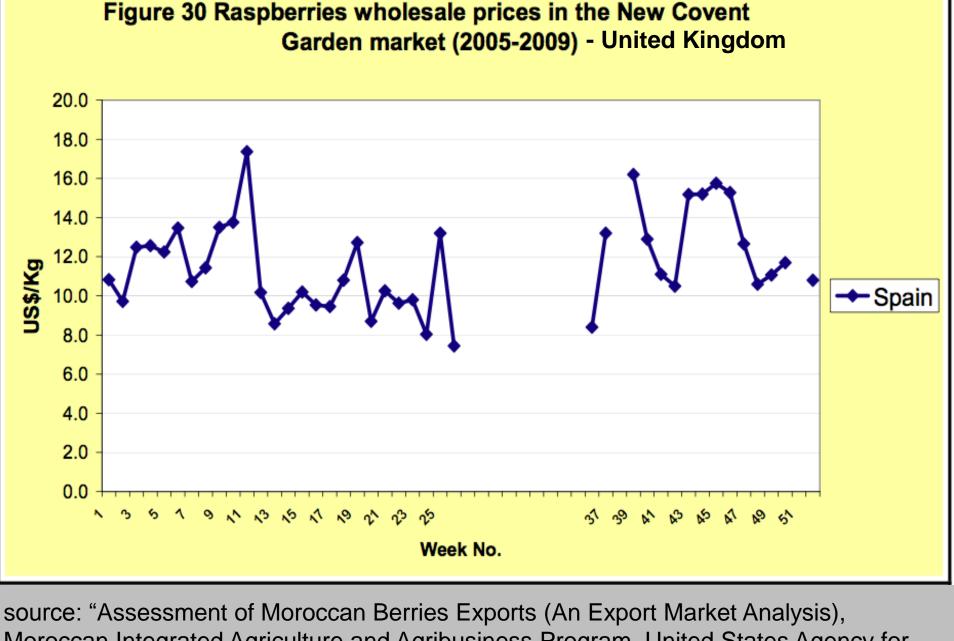




#### U.S. FRESH RASPBERRY IMPORTS



Source: Honigberg (Sunbelle Mktg) GBC Monterey, CA 2011



Moroccan Integrated Agriculture and Agribusiness Program, United States Agency for International Development, Rabat. 2010.



# Seasonal area planted (ha) to strawberry and raspberry Huelva, Spain

| Season   | Strawberry |     | Raspberry |
|----------|------------|-----|-----------|
| 2009/10  | 6.500      | 910 |           |
| 2010/11  | 6.400      |     | 943       |
| 2011/12  | 7.150      |     | 1320      |
| % change | +11,7%     |     | +40,0%    |
|          |            |     |           |



## Seasonal strawberry and raspberry production (tonnes) Huelva, Spain

| Season   | Strawberry | Raspberry |  |
|----------|------------|-----------|--|
| 2009/10  | 264.355    | 8.250     |  |
| 2010/11  | 252.250    | 8.460     |  |
| 2011/12  | 280.000    | 12.091    |  |
| % change | +11,0%     | +42,9%    |  |
|          |            |           |  |

Source: CAPMA: Anuarios y Avances de superficie y producción de Octubre 2012 .



### Weekly shipping point prices for raspberry - Huelva



Source: Chancellery for Agriculture, Fisheries, and Environment, Spain



### Volume of fresh raspberry exports (ton) - Spain

|           | 011 / 12 Season | variation from average of last 3 seasons |
|-----------|-----------------|--|
| Huelva    | 11.829,8        | +7,75%                                   |
| Andalucía | 12.205,8        | +8,12%                                   |
| España    | 12.824,2        | +0,47%                                   |

Source: Chancellery for Agriculture, Fisheries, and Environment, Spain



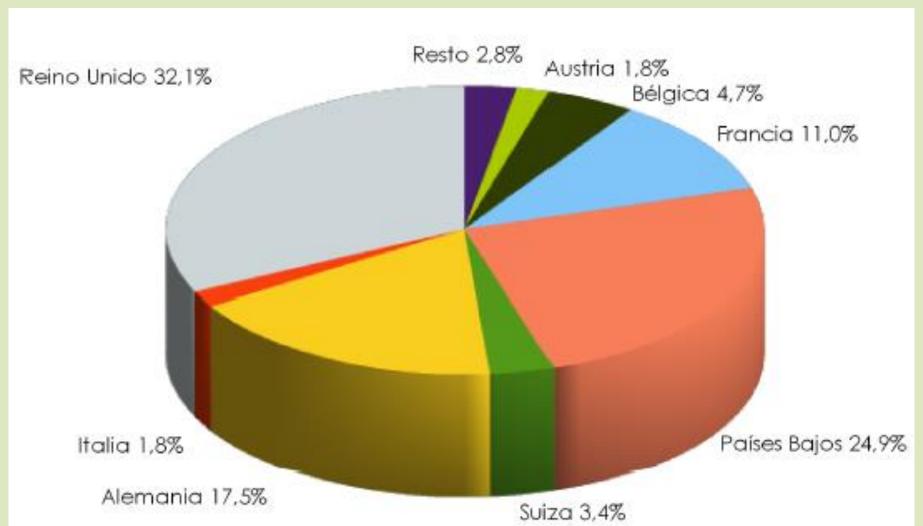
### Value of fresh raspberry exports – Spain (000s Euros)

| 2         | 011 / 12 Season | variation from average of last 3 seasons |
|-----------|-----------------|--|
| Huelva    | 92.583,7        | +16,35%                                  |
| Andalucía | 96.232,1        | +16,65%                                  |
| España    | 101.091,5       | +9,85%                                   |

Source: Observatorio de Mercados y Precios. Junta de Andalucia



#### Destinations of fresh raspberry exports from Huelva



Source: Observatorio de Mercados y Precios. Junta de Andalucia



### Off-season raspberry summary

- EU market heavily supplied by Spain, some Portugal.
- Moroccan raspberry acreage increasing > + 1000 ha planted or planned.
  - 2500 ha within a decade



### Off-season raspberry summary

- EU market heavily supplied by Spain, some Portugal.
- Moroccan raspberry acreage increasing > + 1000 ha planted or planned.
  - 2500 ha within a decade



### Off-season raspberry summary

- EU market heavily supplied by Spain, some Portugal.
- Moroccan raspberry acreage increasing > + 1000 ha planted or planned.
  - 2500 ha within a decade