

# The role and future of Poland, as the largest producer of blackcurrants in the world



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## EUROPE

1. POLAND
2. RUSSIA
3. UKRAINE
4. U.K.
5. DENMARK
6. LITHUANIA
7. FRANCE
8. GERMANY
9. HOLLAND
10. FINLAND
11. LATVIA
12. SWEDEN
13. HUNGARY
14. NORWAY
15. ESTONIA
16. AUSTRIA

## Where are blackcurrants grown?

This species is native in areas of temperate climate of Europe, Asia, New Zealand and North America.

It needs chilling requirements and dormancy period for proper development, growth and yielding.

## OTHER CONTRIES

1. NEW ZEALAND
2. CHINA
3. JAPAN
4. AUSTRALIA
5. CANADA
6. USA



## Statistical data - Polish position in the world - 2013

According to Eurostat/FAOSTAT data, **Russia** is the largest producer of blackcurrant fruit in the world with the participation of **51.0%**, **Poland** ranks second (**30.7%**),

By the International Blackcurrant Association (IBA) data **Poland** has recently been the largest producer of this fruit with participation of **48.5%** in a global production,

**Poland** is a world leader not only in the production of fruit, but also in the export of fresh fruit and processed berries, we export about 80% of frozen fruit and nearly 90% of fruit juice concentrates.

## Blackcurrant fruit production in 2010-2013

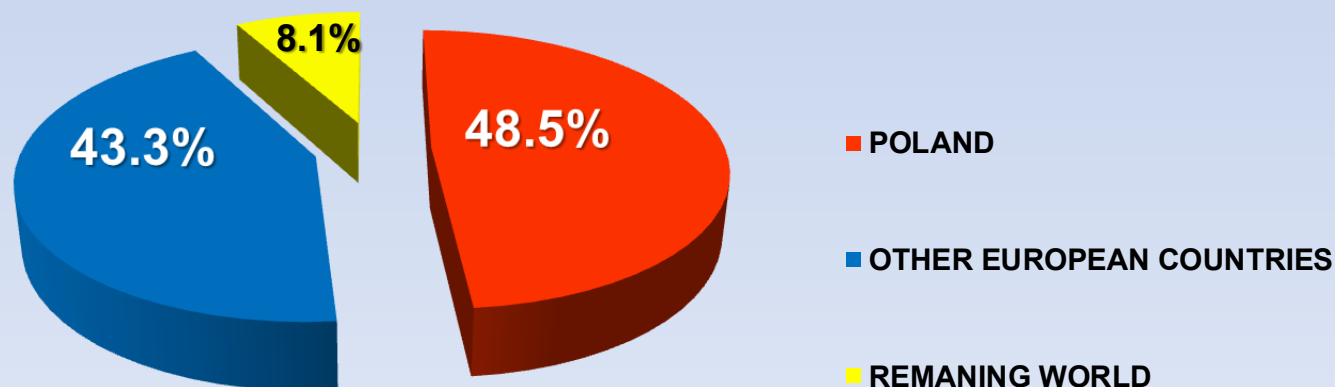
[in Metric Tones –MT], (based on the IBA data)

COUNTRY/YEAR	2010	2011	2012	2013
<b>1. POLAND</b>	<b>110 000</b>	<b>80 000</b>	<b>95 000</b>	<b>105 000</b>
2. UKRAINE	25 830	25 700	28 000	35 000
3. U.K.	12 300	10 750	9 500	14 000
4. DENMARK	10 900	8 400	8900	12 039
5. GERMANY	6 000	4 500	5 000	9 000
6. LITHUANIA	7 000	7 000	8 000	8 000
7. FRANCE	7 500	7 500	5 664	7 000
8. HOLLAND	2 800	2 000	2 600	3 100
9. FINLAND	2 200	2 500	1 700	2 200
<b>EUROPE</b>	<b>180 320</b>	<b>150 321</b>	<b>167 037</b>	<b>198 638</b>
CHINA	-	15 000	11 000	9 000
NEW ZEALAND	6 500	9 000	7 900	8 400
<b>WORLD</b>	<b>187 320</b>	<b>174 321</b>	<b>186 542</b>	<b>216 228</b>

## Polish participation in the blackcurrant fruit production in Europe and worldwide in 2010-2013 (based on the IBA data) [%]

	2010	2011	2012	2013	2010-2013
EUROPE	61.0%	53.2%	55.3%	52.8%	56.0%
WORLD	58.7%	45.9%	49.7%	48.5%	51.0%

Polish participation in the blackcurrant fruit production in the world - 2013



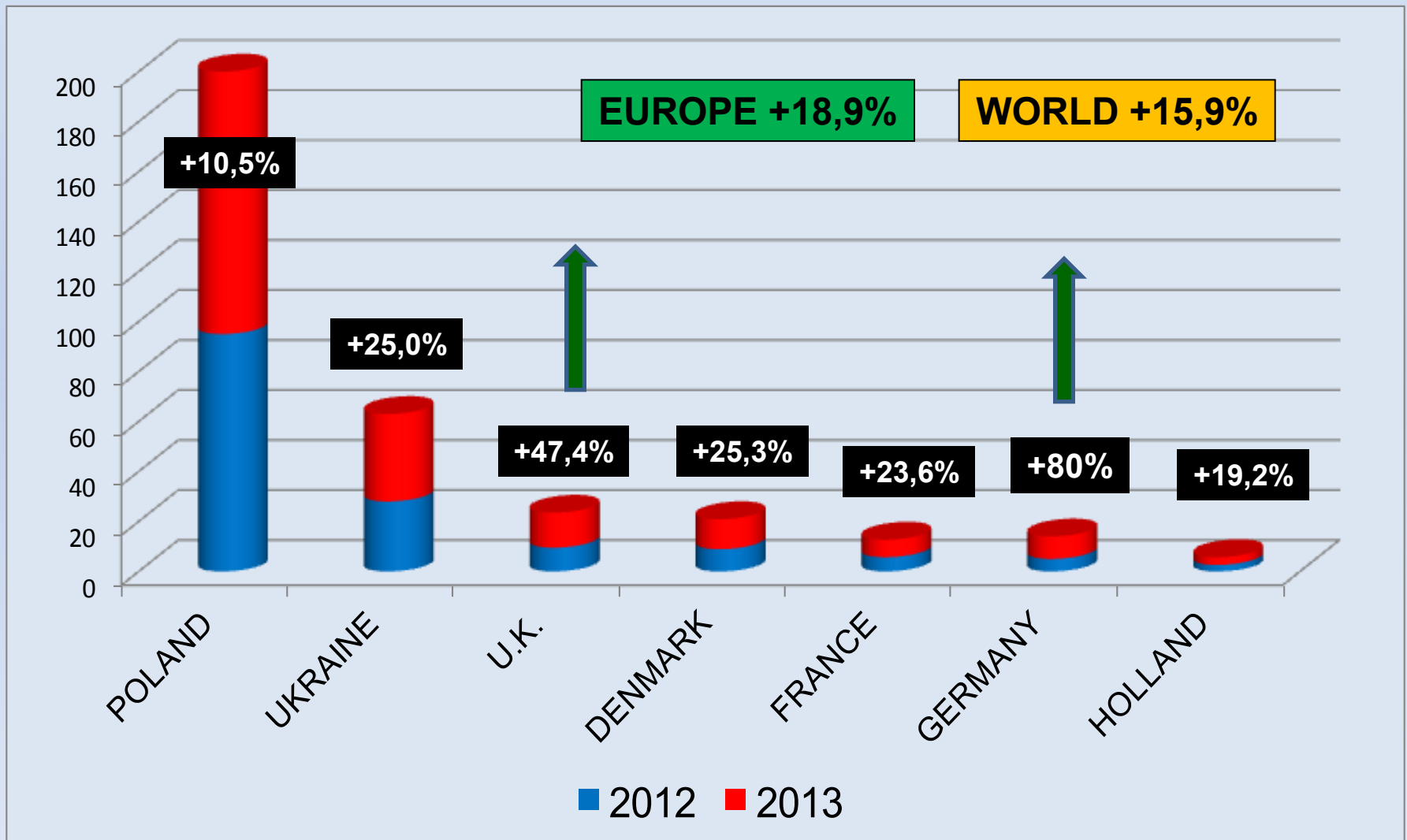
# REMARKS & COMMENTS

- In **2010** and **2012** in most countries the blackcurrant fruit production remained at a stable level,
- In **2011** it was the low blackcurrant production in the world, as a consequence of low fruit crop in Poland (**c. 30.000 MT less compared to 2010**),
- In **2013**, some countries (except Poland, New Zealand, Lithuania, Finland and France) had the higher blackcurrant fruit crops compared to last four years,

**Average fruit production of blackcurrants in 2012 and 2013  
and changes compared to 2013** (based on the IBA data)

COUNTRY	Average Production in 2010-2012 [MT]	Production in 2013 [MT]	Changes in comparison to 2010-2012 [%]
<b>1. POLAND</b>	<b>95 000</b>	<b>105 000</b>	<b>+10.5%</b>
2. UKRAINE	26 500	35 000	<b>+32.0%</b>
3. U.K.	10 850	14 000	<b>+29.0%</b>
4. DENMARK	9 400	12 039	<b>+28.1%</b>
5. GERMANY	5 166	9 000	<b>+74.2%</b>
6. LITHUANIA	7 333	8 000	<b>+9.1%</b>
7. FRANCE	6 888	7 000	<b>+1,6%</b>
8. HOLLAND	2 466	3 100	<b>+25.7%</b>
9. FINLAND	2 133	2 200	<b>+3.1%</b>
<b>EUROPA</b>	<b>165 892</b>	<b>198 638</b>	<b>+19.7%</b>
10. NEW ZEALAND	7 800	8 400	<b>+7.7%</b>
<b>WORLD</b>	<b>186 542</b>	<b>216 228</b>	<b>+15.9%</b>

# Blackcurrant fruit production in 2013 and changes compared to 2012 (based on the IBA data)





## Status of Polish plantation in spring 2013





**BEFORE**



**Hail stone**



**After**





**Spring frost injuries in 2014 (in different regions of Poland**



## Blackcurrant cultivation acreage in selected countries associated in the IBA [ha] (based on the IBA data)

COUNTRY/YEAR	2010	2011	2012	2013
<b>1. POLAND</b>	<b>25 000</b>	<b>25 000</b>	<b>26 000</b>	<b>27 000</b>
2. UKRAINE	5 200	5 100	5 500	5 800
3. U.K.	2 250	2 400	2 400	2 400
4. DENMARK	1 600	1 600	1 600	1 600
5. LITHUANIA	3 500	3 500	2 890	3 100
6. FRANCE	2 200	2 000	2 000	2 000
7. GERMANY	1 600	1 600	1 600	1 600
8. HOLLAND	470	420	370	325
9. FINLAND	1 730	1 650	1 600	1 600
<b>EUROPA</b>	<b>45 558</b>	<b>45 328</b>	<b>45 160</b>	<b>46 877</b>
CHINA	2 500	3 300	3 300	?
NEW ZEALAND	1 600	1 500	1 500	1 400
<b>WORLD</b>	<b>49 736</b>	<b>50 326</b>	<b>50 198</b>	<b>48 317</b>

# REMARKS & COMMENTS

- In **2013** the cultivation area of blackcurrant in Europe amounted to **46.877** hectares

**Poland - 57%**

According to the IBA data for **2013** in some countries plantation **area increased**:

Lithuania – 7.0%,

Ukraine - 5.4%,

and Poland - 3.8%

**decreased acreage**:

Hungary - 16.7%

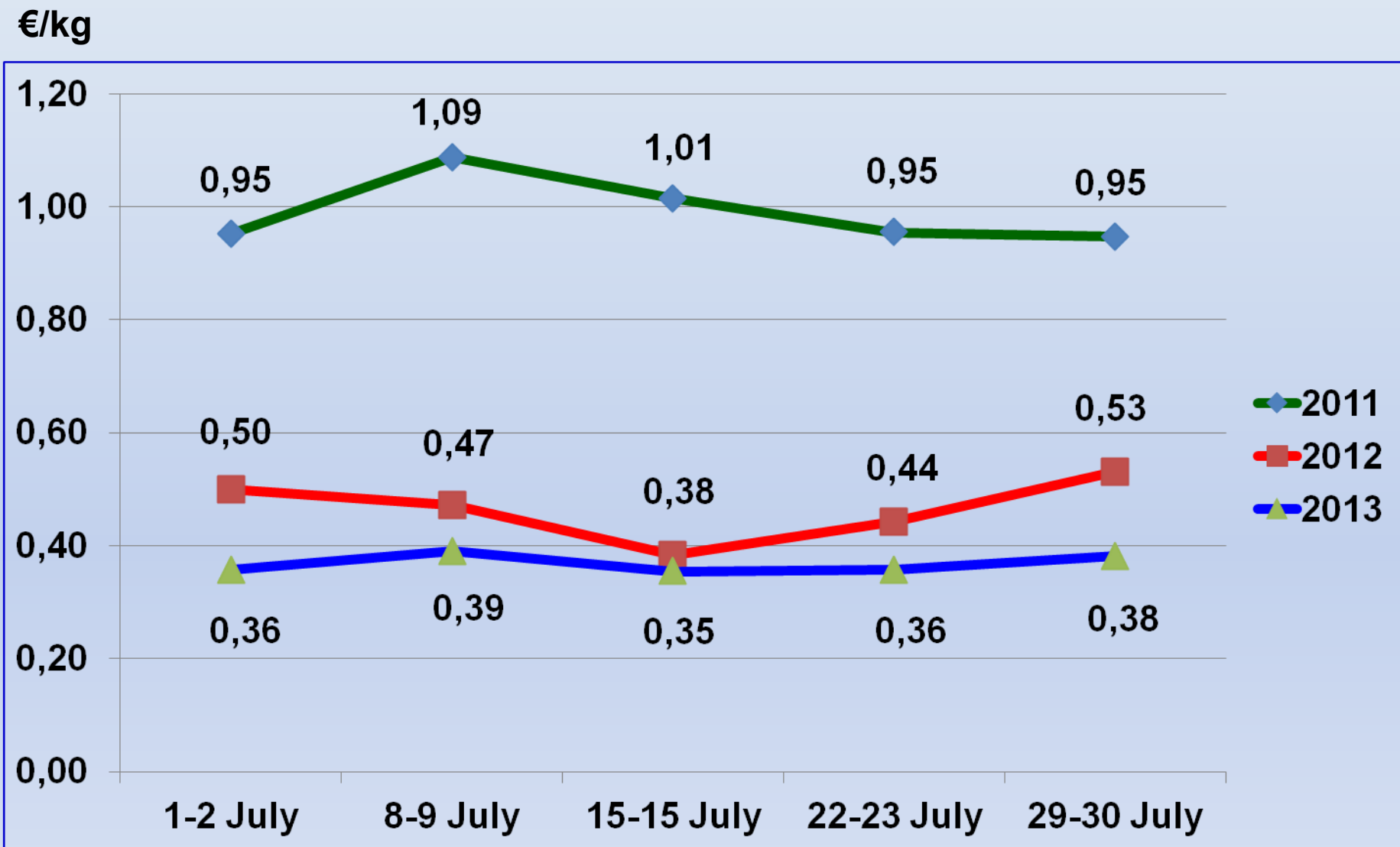
and Netherlands – 12.0%

**Statistical average of blackcurrant fruit yield calculated on the base of the cultivation acreage and fruit production in selected countries**  
(based on the IBA data)

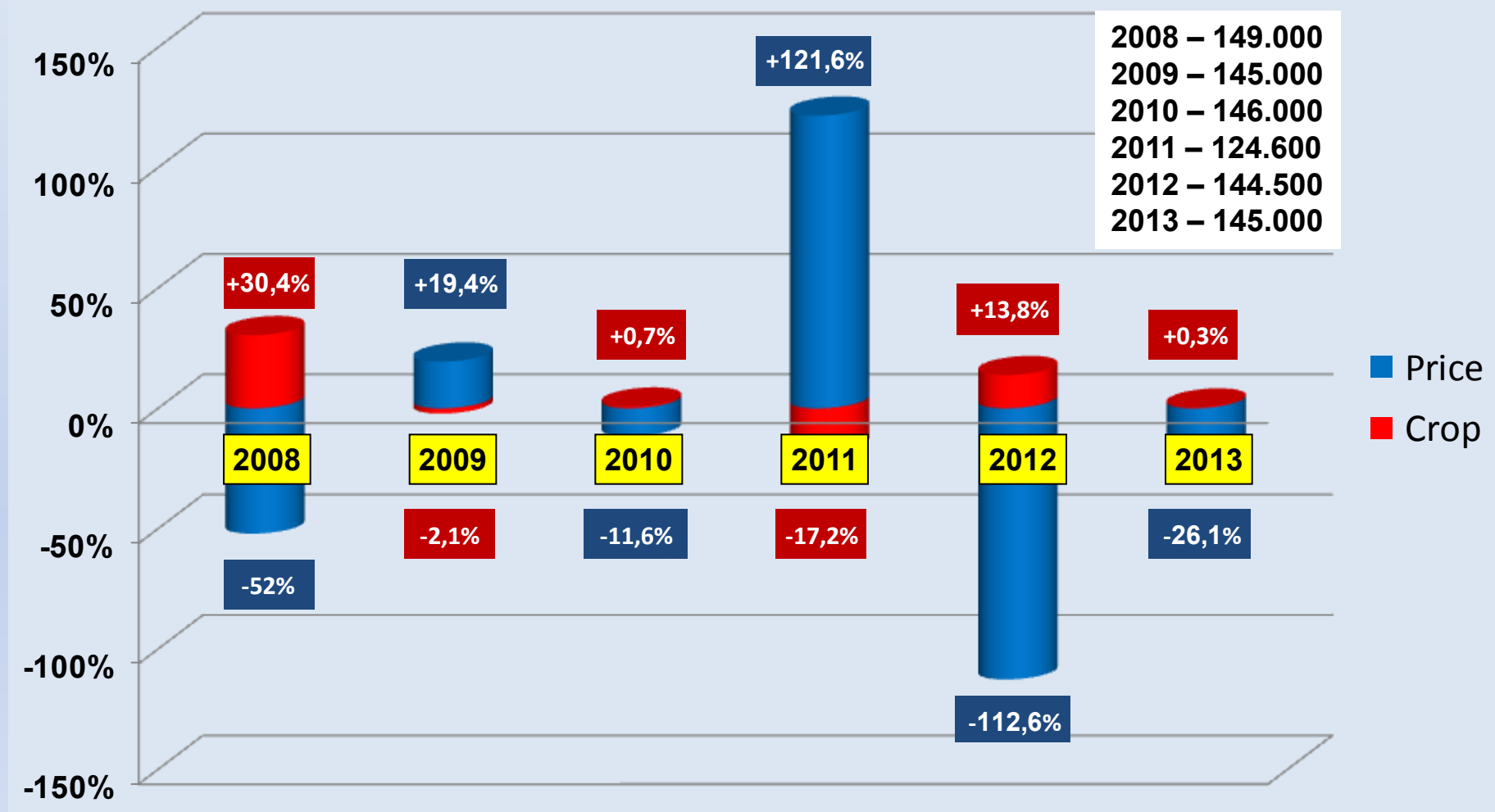
<b>COUNTRY</b>	<b>2010-2013 MT/ha</b>	<b>2013 MT/ha</b>
<b>1. POLAND</b>	<b>3.8</b>	<b>3.9</b>
2. UKRAINE	5.5	6.0
3. U.K.	4.9	5.8
4. DENMARK	<b>6.3</b>	<b>7.5</b>
5. LITHUANIA	2.2	2.6
6. FRANCE	3.4	3.5
7. GERMANY	3.8	5.6
8. HOLLAND	<b>6.6</b>	<b>9.5</b>
9. FINLAND	1.3	1.4
<b>EUROPE</b>	<b>3.8</b>	<b>4.2</b>
10. NEW ZEALAND	5.1	5.0
<b>WORLD</b>	<b>3.8</b>	<b>4.2</b>

## REMARKS & COMMENTS – 2010-2013

- The highest fruit yields of blackcurrant were obtained in **Denmark** (**6.3 MT/ha**) and in the **Netherlands** (**6.6 MT/ha**), so it is **65%** and **73%** more than in Europe or World (**3.8 MT/ha**).
- In **Poland** average fruit yields are comparable to those obtained in Europe and in the world (**c. 3.8 MT/ha**).
- Changes in the planting structure of new cultivars can contribute to increase the productivity on the **Polish** plantations in the nearest future.



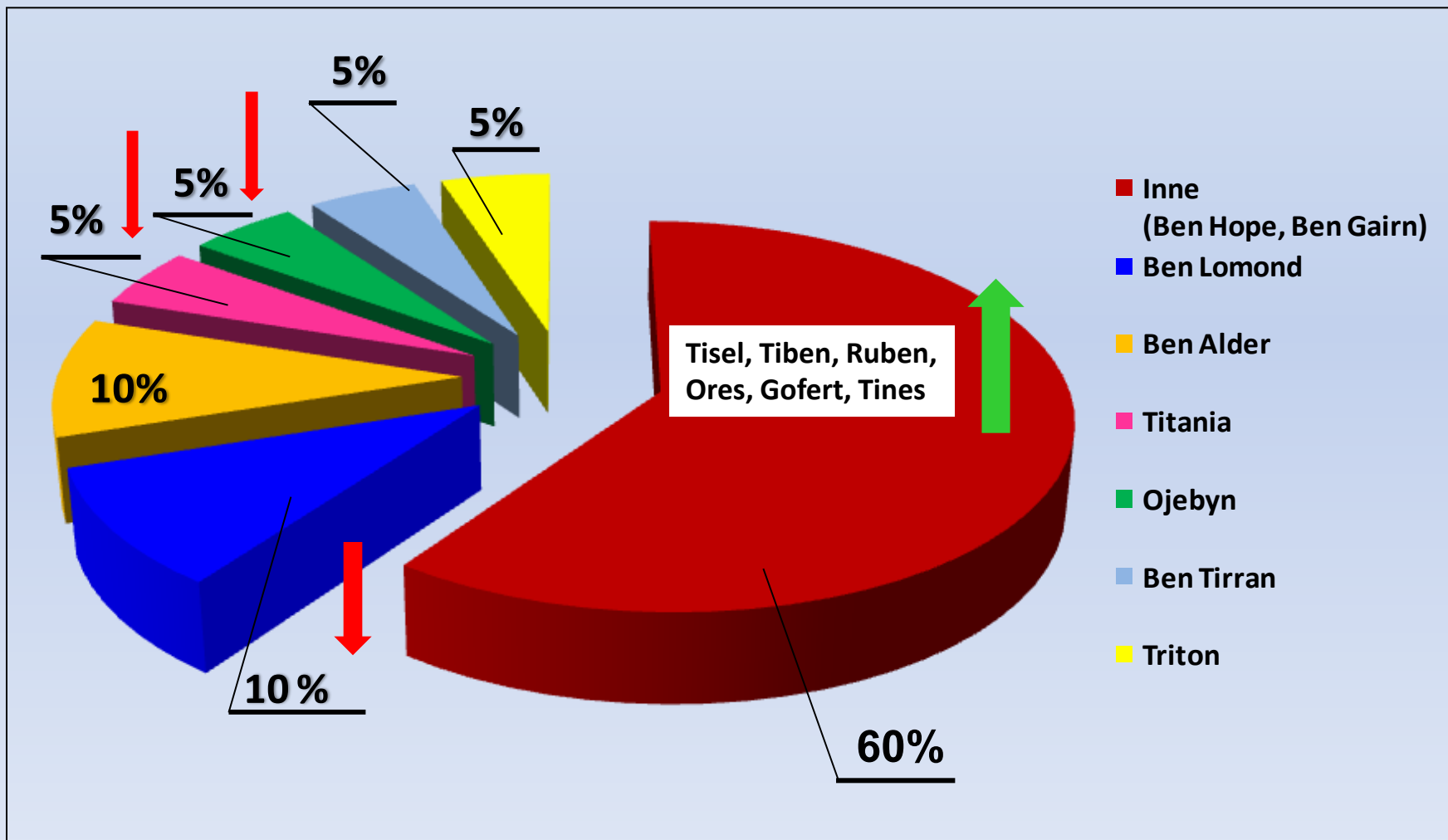
**Average prices of blackcurrant fruit for processing in Poland (Euro/kg)**  
(according to data of the Institute of Agricultural and Food Economics - National Research Institute)



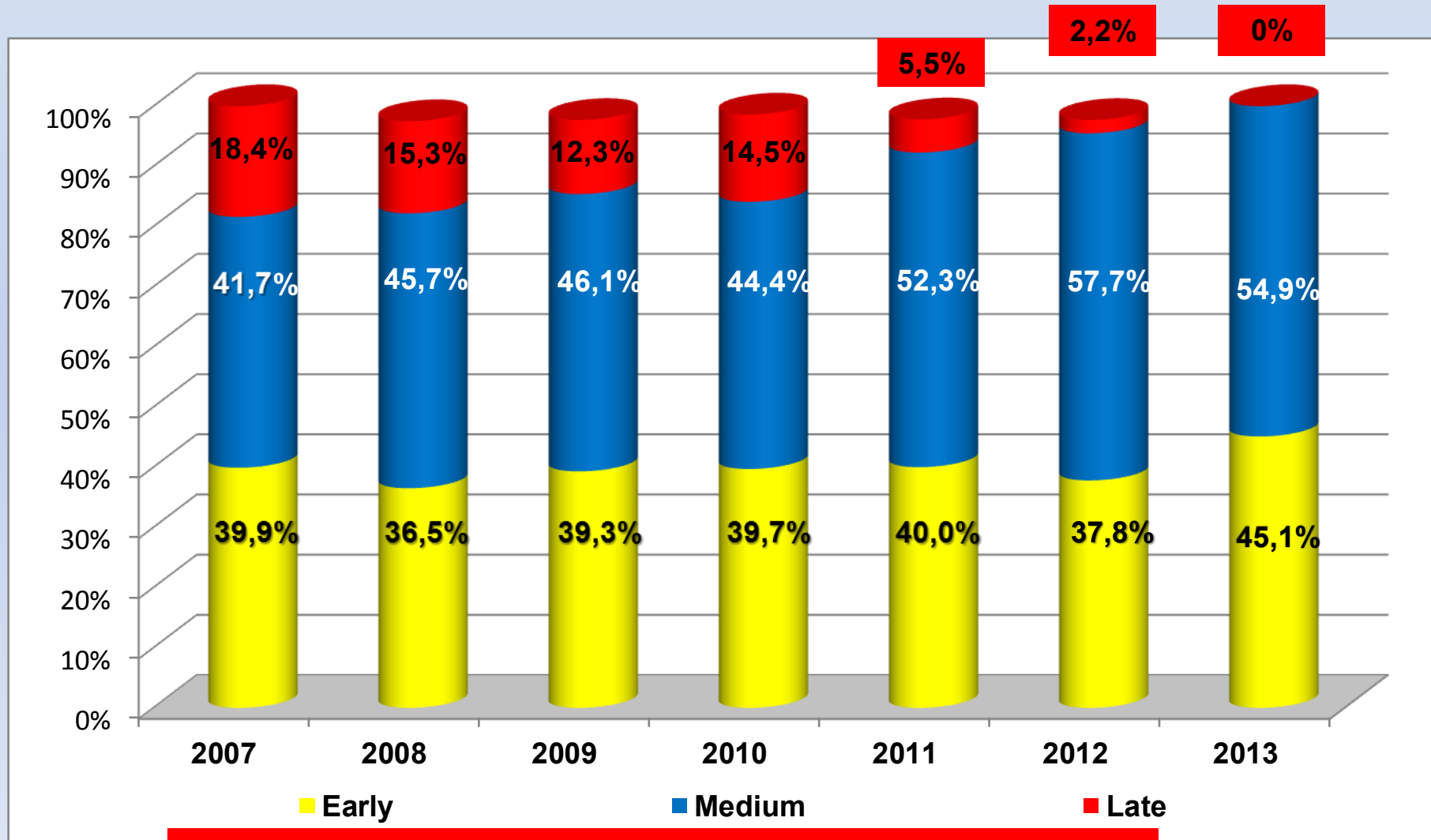
**The dynamics of changes in price and production volumes of blackcurrant fruit in Poland in comparison to the previous year ([2008-2013](#))**

(according to data of the Institute of Agricultural and Food Economics - National Research Institute)

# The actual structure of blackcurrant cultivars grown on commercial plantations in Poland



# Share of blackcurrant cultivars with different ripening time in qualifications of nursery stock (according to the official data of PIORIN - the State Plant Health and Seed Inspection Service qualification reports in 2007-2013)



**Shortening the period of fruit harvest !!!**

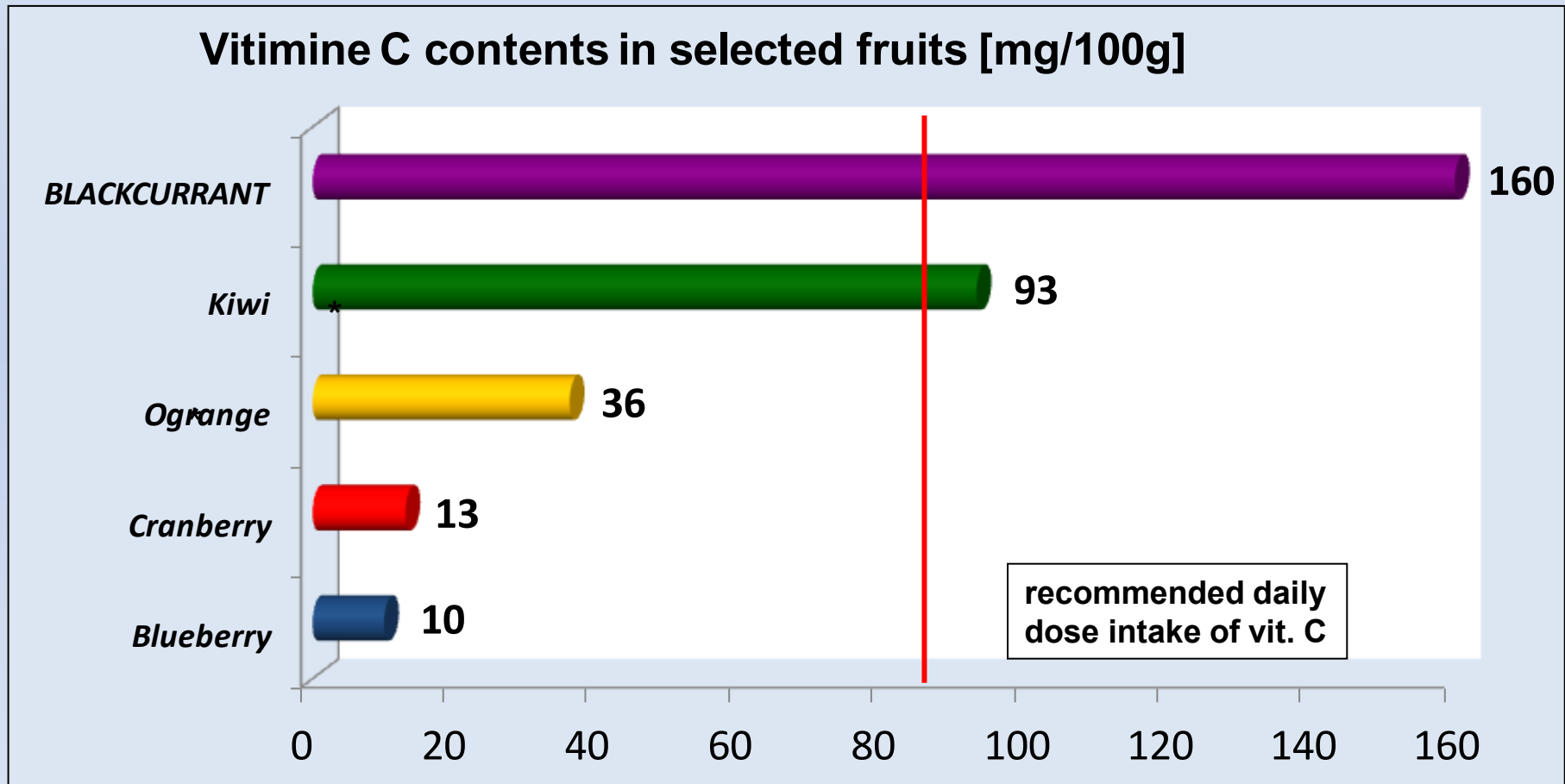
# Threats:

- Further increase in new plantings in Poland **could result in overproduction of blackcurrant fruit in the coming years**  
(over 92% is produced in Europe)
- Very low level of organization of the sector in Poland  
(fragmentation and poor integration of growers) - **small impact on the market with regard to the processing industry**
- Limited cultivation to only a few cultivars with the same time of flowering **carries a high risk of a shortage of fruit in the event of spring frosts**

# Threats:

- Less fruit production from late ripening cultivars could shorten the harvesting period, **from four to three weeks only,**
- Large supply of fruit from early ripening cultivars **can cause problems with their sales and, consequently, a significant reduction in prices**
- Blackcurrant fruit are produced mainly for the processing and freezing industries – **majority free market, but low number of contracts with growers**
- Too few registered pesticides for plant protection on the blackcurrant plantations **(problems with the registration)**

- Low consumer awareness of the high health benefits of blackcurrant fruit (high content of vitamin C, anthocyanins and antioxidant capacity)



**Sources:** NZ Food Composition Database, Crop & Food Research, New Zealand;  
United States Department of Agriculture (USDA) Nutrient Database

# Opportunities:

- ✓ strong and stable position of Poland in the world
- ✓ well-developed the breeding program and achievements in new blackcurrant cultivars at the Fruit Breeding Depart. of the Research Institute of Horticulture in Skierniewice
- ✓ possibility of increasing the fruit productivity by changes in the planting structure of new blackcurrant cultivars
- ✓ better organization of the industry/sector (organization of growers, fair-ply cooperation of processors with growers, contract agreements with fixed price)
- ✓ good cooperation between growers, and firms offering goods for the production (machineries, pesticides, fertilizers)

# Opportunities:

- ✓ professional development of qualifications by our growers (participation in courses and conferences, consulting firms)
- ✓ conducting information campaigns and advertisements promoting the health benefits of blackcurrant – having the effect of increasing the consumption of fruit and products made from them
- ✓ search of new and innovative products from blackcurrant fruits and their uses
- ✓ increased interest in blackcurrant fruits and their products in some countries of the world (U.S., South Korea, Japan) – being potential new markets.



**THANK YOU  
FOR YOUR ATENTION**