

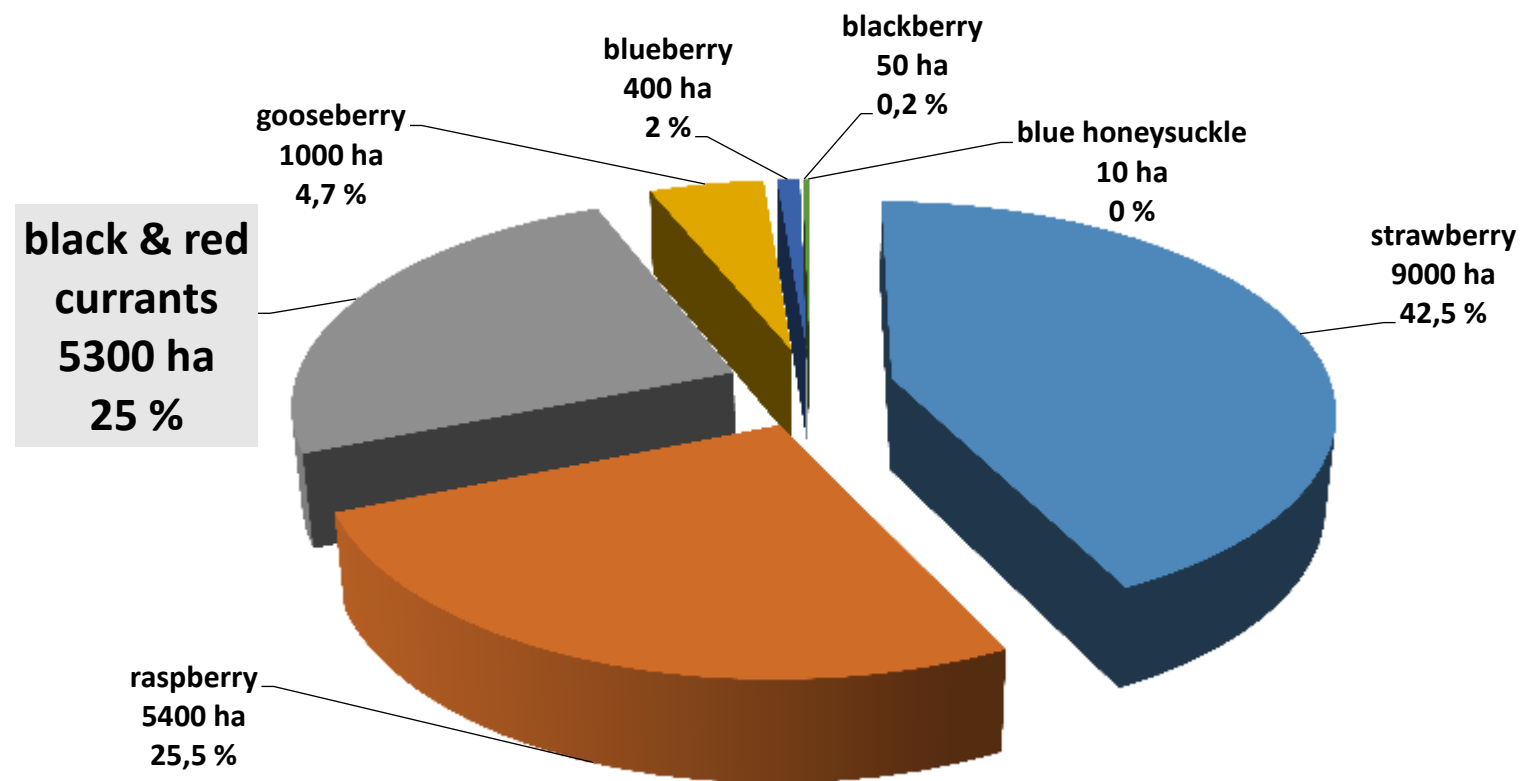


PIONEERING NEW FRONTIERS AND NEW CLIMATIC REGIONS WITH EXISTING BC VARIETIES

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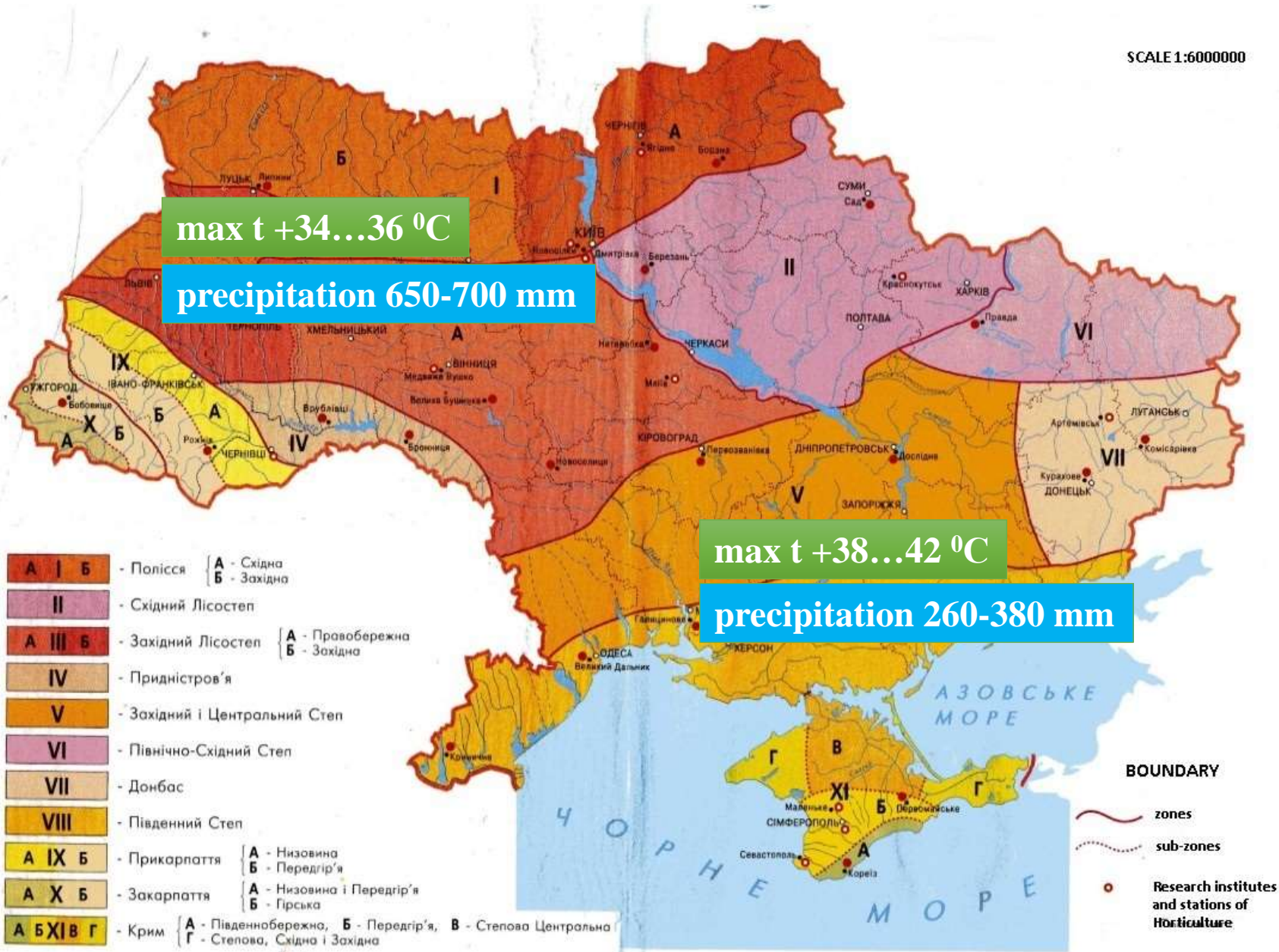


Structure of small fruit crop plantations in Ukraine*



* - official figure, small home orchards included, 2012

Climatic zones of fruit growing, Ukraine



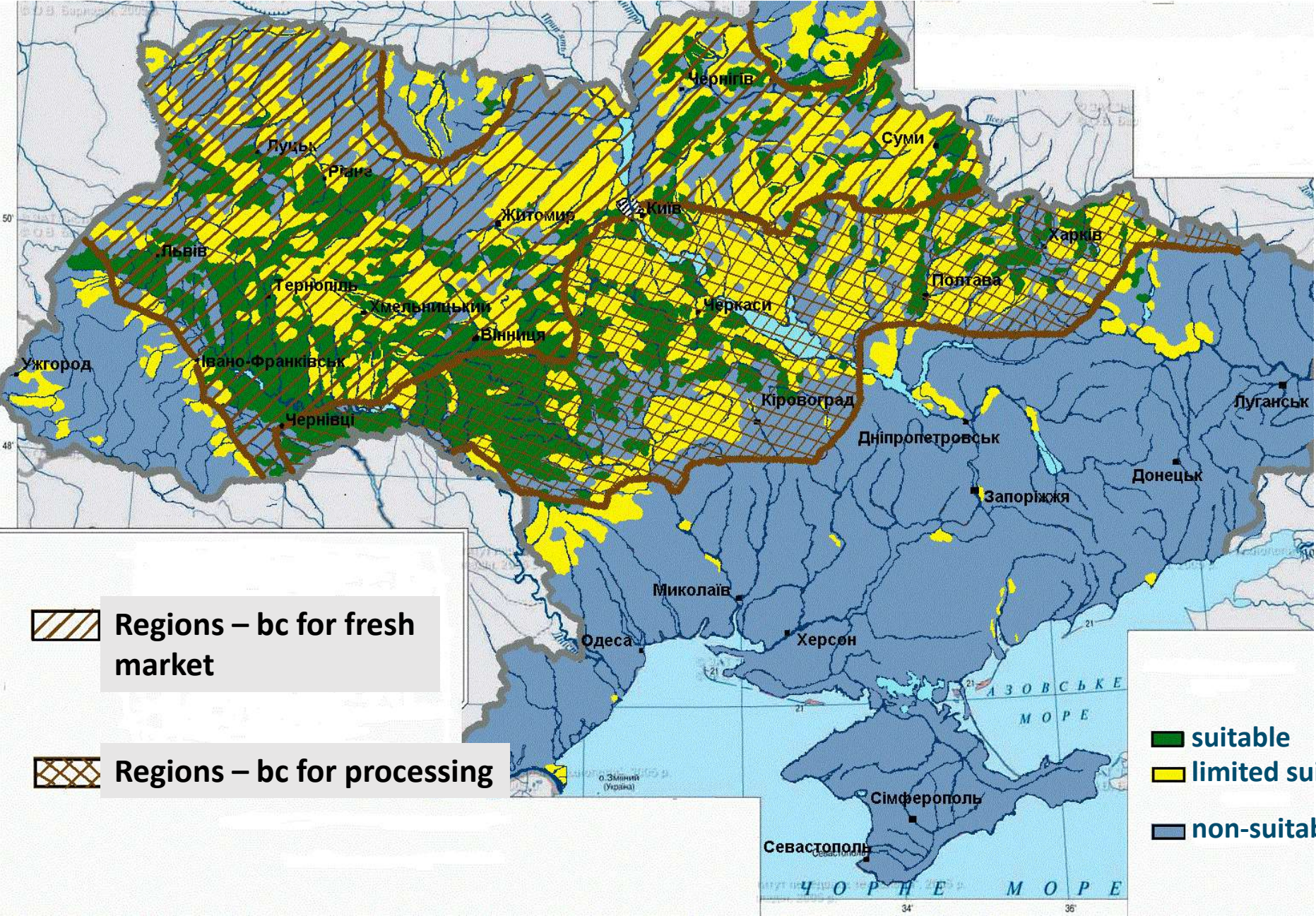
*Territory of Ukraine is characterized by diversity of climatic and soil conditions that vary from wetlands to the west of **Polissya** to dry in the southern **Steppe** regions*

Black currant in Ukraine

- Total acreage – **5300 hectare** (2012)
- Small fruit farms – **2400 hectare**
- Average yield in small fruit farms – **7 ton/ha**
- Total yield – **35 000 ton** (2012)
- **30** black currant cultivars are presented in National Register (**all - from local breeding programs!**)
- **Institute of Horticulture NAAS** – owner of 14 bc cultivars



Suitability of Ukrainian regions for sustainable black currant growing*



Regions – bc for fresh market

Regions – bc for processing

suitable
limited suitable
non-suitable

Main regions of black currant growing in Ukraine*



*- including red currant (around 5-7% of total acreage)

Trends in Ukrainian BC growing industry – well tried varieties & new regions



- **Environmental friendliness and adaptability**

- *the most popular varieties that can consistently produce fruit in different soil and climatic zones with minimal apply of pesticides (max. 2-3 treatments)*

- **Growers like to plant black currant in non-suitable regions** – on the South and South-East of Ukraine . **There is permanent shortage of bc berries on the market of mentioned regions**

- *heat resistant varieties + additional expenses to maintain + risks still possible*

- **Dessert varieties are preferable**

- *all-purpose consumption (processing and fresh market)*

Environmental friendliness and adaptability - varieties



Main figures of propagation black currant in Ukraine

- Around **40 varieties** are propagated
- Total production of bc nurseries (2012 r.): **1,8 million plants**
- Most propagated varieties:

Yubileynaya Kopanya	(600 thous. plants)
Wernisazh	(324 thous. plants)
Sofievskaya	(320 thous. plants)

OR

70% produced plants !!!

- Average wholesale price (2012): **0,5 – 0,6 EURO/plant**

The most cultivated bc varieties in Ukraine

up to 80 % of total bc acreage planted with varieties bred by Institute of Horticulture !



Wernisazh



*Yubileynaya
Kopanya*



Kazkova



Sanyuta



Sofievskaya



Raduzhnaya



Krasa Lvova



Oriana

Black currant – first fruiting
(research plot, Institute of Horticulture, Kyiv, Ukraine)



Growers like to plant black currant in non-suitable regions

➤ **Black currant – crop of moderate climate.**

air drought (less 30 % RH)+ long-term temp. (above +30 °C) are harmful for bc plants

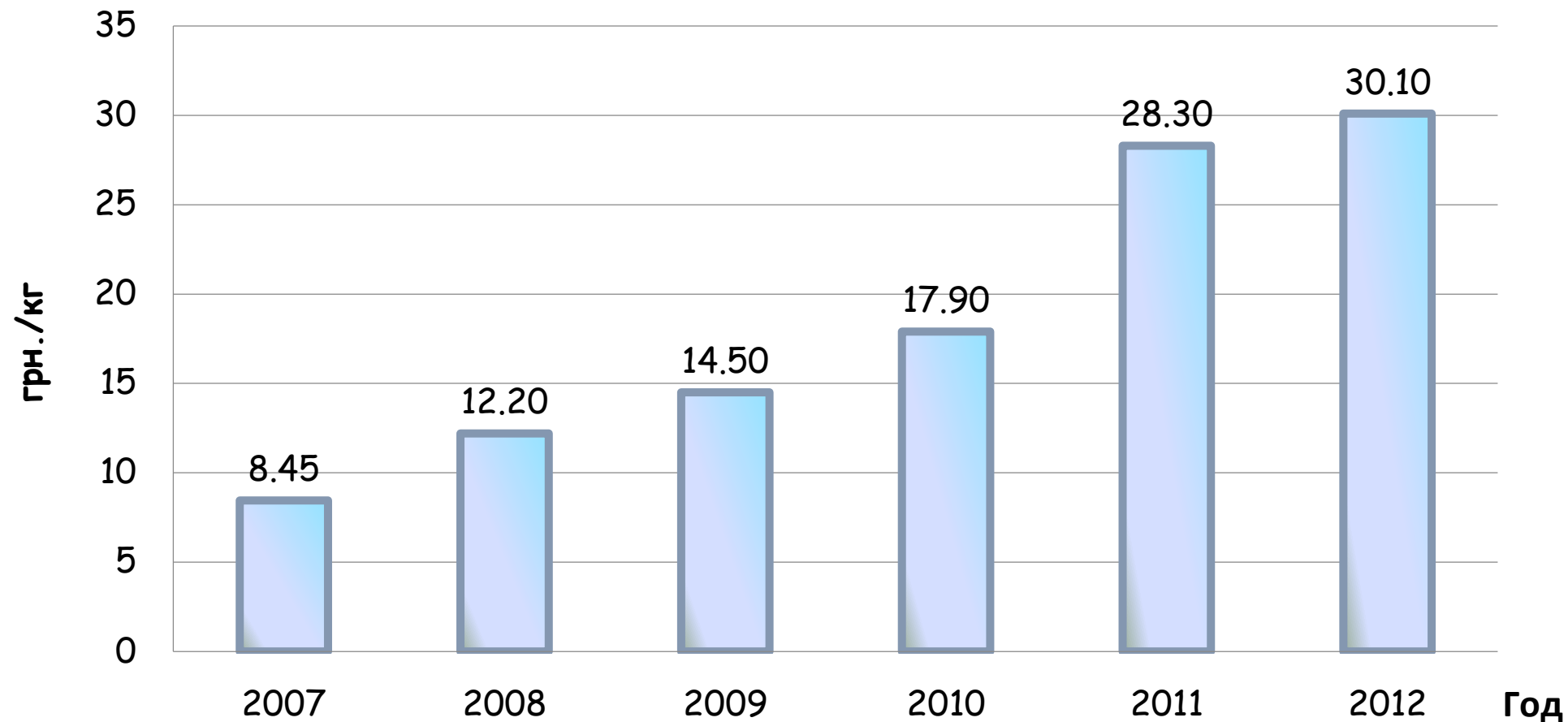
➤ **Threat of *Verticillium albo-atrum***

after a dry period precipitation falls and the temperature remains high

WHAT RECOMMENDED ?

- ✓ **Plant heat-resistant varieties** (*Wernisazh, Yubileynaya Kopanya, Kazkova*)
- ✓ **Avoid the bc plants become stressed** (*shading plants, irrigation, mulching soil in-the-row lines*)
- ✓ **Applying of anti-transpirants and growth regulators** – *Atonik, Vapor Guard etc.*

Retail selling prices for black currant berries in city markets of Ukraine





Thank you for attention!

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