

## Czech hop growers produced 5 329,8 t of hops in 2013

### *Production of hops in the Czech Republic in 2013*

Variety/ Region	Saaz(t)			Auscha(t)			Tirschitz(t)			Czech Rep. (t)		
	2013	2012	2011	2013	2012	2011	2013	2012	2011	2013	2012	2011
<b>Saaz</b>	3 377,1	2 742,4	3 883,5	476,4	413,9	533,9	512,2	337,3	602,7	4 365,6	3 493,6	5 020,2
<i>Sládek</i>	286,1	259,9	339,0	26,1	23,3	25,7	155,3	118,9	123,1	467,5	402,1	487,8
<i>Premiant</i>	197,4	192,6	245,0	73,1	69,4	81,2	86,5	82,8	140,9	357,0	344,8	467,2
<i>Agnus</i>	70,9	53,6	77,7	8,9	9,8	7,1	-	0,0	0,0	79,9	63,4	84,7
<b>Total</b>	<b>3 984,9</b>	<b>3 280,0</b>	<b>4 556,2</b>	<b>584,9</b>	<b>516,3</b>	<b>648,8</b>	<b>760,0</b>	<b>541,8</b>	<b>882,9</b>	<b>5 329,8</b>	<b>4 338,1</b>	<b>6 087,9</b>

Central Institute for Supervising and Testing in Agriculture (CISTA) announced the final crop results for 2013. The total hop harvest in the Czech Republic reached **5 329,8 t of hops**. The average yield was 1,23 t/ha.

The total production was **up by 991,8 t compare to 2012** but still down by **758,2 t compare to 2011** and **951,8 t compare to 10-year average**.



Steady rains in a period of 26th May - 10th June 2013 caused floods in Saaz and Auscha hop growing regions. Vltava and Labe (Elbe) rivers damaged hop gardens in both hop regions. Over 700 ha of hop fields were influenced by floods and heavy rains. Over 200 ha were damaged so badly that they were even not harvested. With majority of the area hop growers will now have to wait to see whether the root system survived or whether the hop gardens will need to be replaced.



The hop growers in the Czech Republic reacted well and planted a record number of hop plants in the autumn to replace the damage hop plants from 2012 and 2013. All varieties were planted but the majority share was still the Saaz variety. Hops from current acreage are sold out until 2016 and also 2017 and 2018 are already contracted to a high level.

In the Saaz hop growing region the total hop production was **3 984,9 t**, in the Auscha hop growing region the total production was **584,9 t** and in the Tirschtz hop growing region the hop production was **760,0 t**.

The later varieties performed better than the varieties harvested earlier.

### Saaz variety

The fine aroma variety - **Saaz** accounts for the largest share of the Czech hop production with **4 365,6 t** (2012 – 3493, 2011 – 5020 t, 2010 - 6568 t and 2009 – 5395 t). There were **3 377,1 t harvested in the Saaz** hop growing region, **476,4 t harvested in the Auscha** hop growing region and **512,1 t of Saaz variety harvested in the Tirschitz** hop growing region.

### Aroma varieties Sladek and Premiant and bitter variety Agnus

The aroma variety **Sladek** accounted for **467,5 t** (2012 – 402 t, 2011 – 487 t, 2010 - 538 t). The production of aroma variety **Premiant** was **357,0 t** (2012 – 345 t, 2011 – 467 t, 2010 - 502 t) and the production of the bitter variety **Agnus 79,9 t**.

### Content of alpha bitter acids

The quality of the crop can be regarded as excellent as the to the plant health and slightly below average with regards to alpha acid content. The alpha content of the Saaz variety of 2,9 %, Sladek and Premiant reached also lower results with 6,0 % and 7,5 % respectively.

### BOHEMIA HOP with CHMELARSTVI continued actions to improve the age structure of the Saaz variety

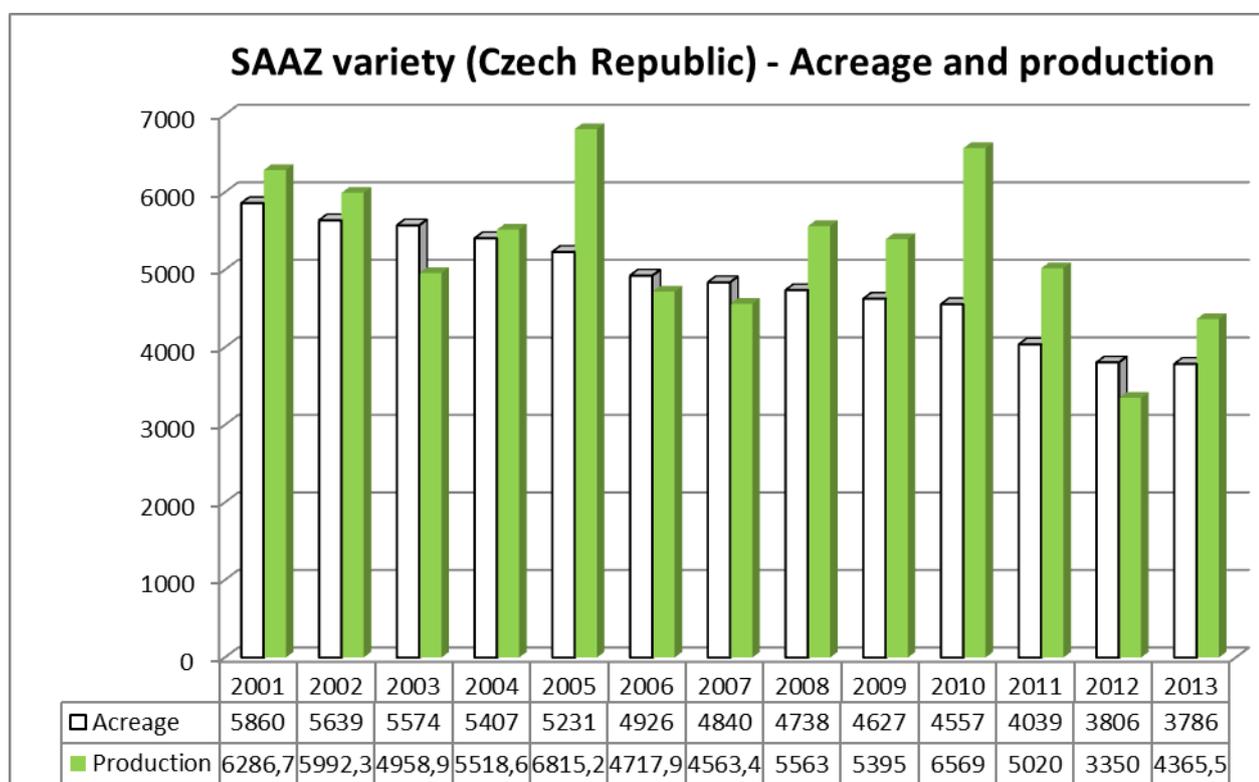
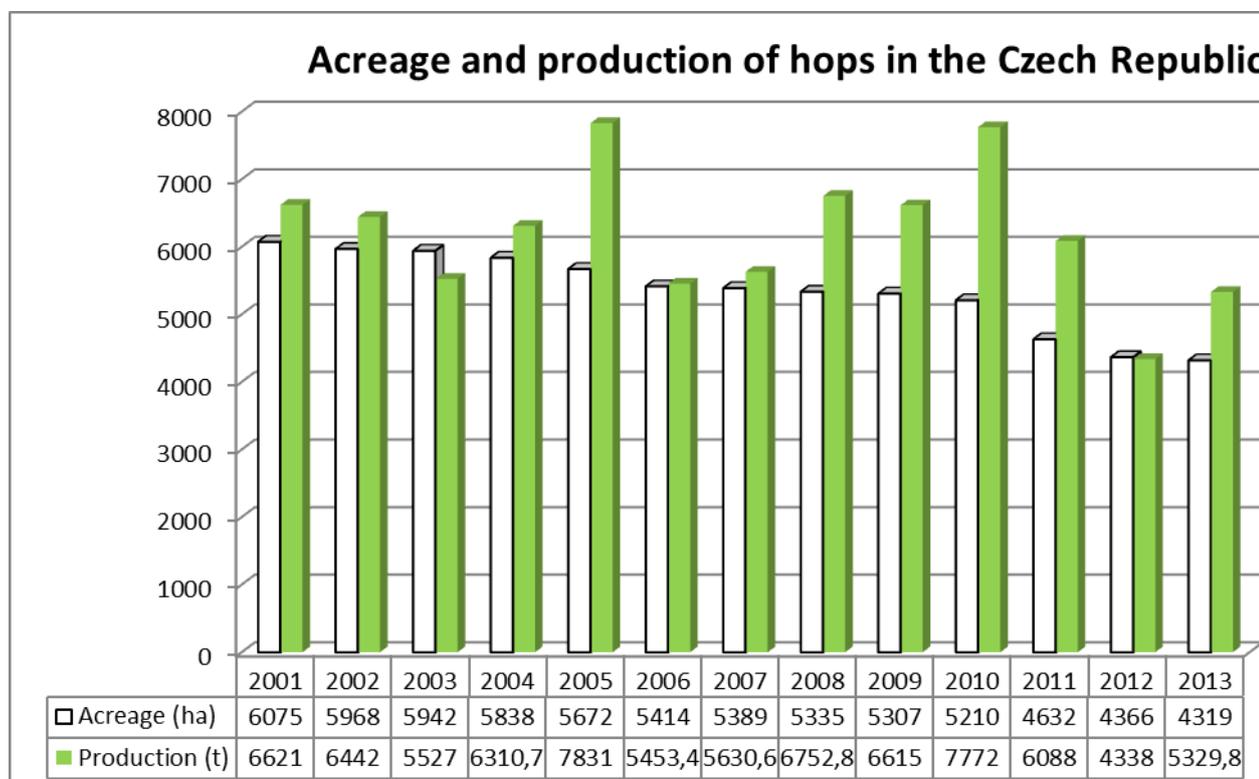


Bohemia Hop and Chmelarstvi continued also in 2013 with their support of replanting and paid again bonuses to farmers planting new hop yards in order to achieve better efficiency of production in the future. From 2009 Bohemia Hop and Chmelarstvi already supported planting of more than 600 ha of their suppliers.

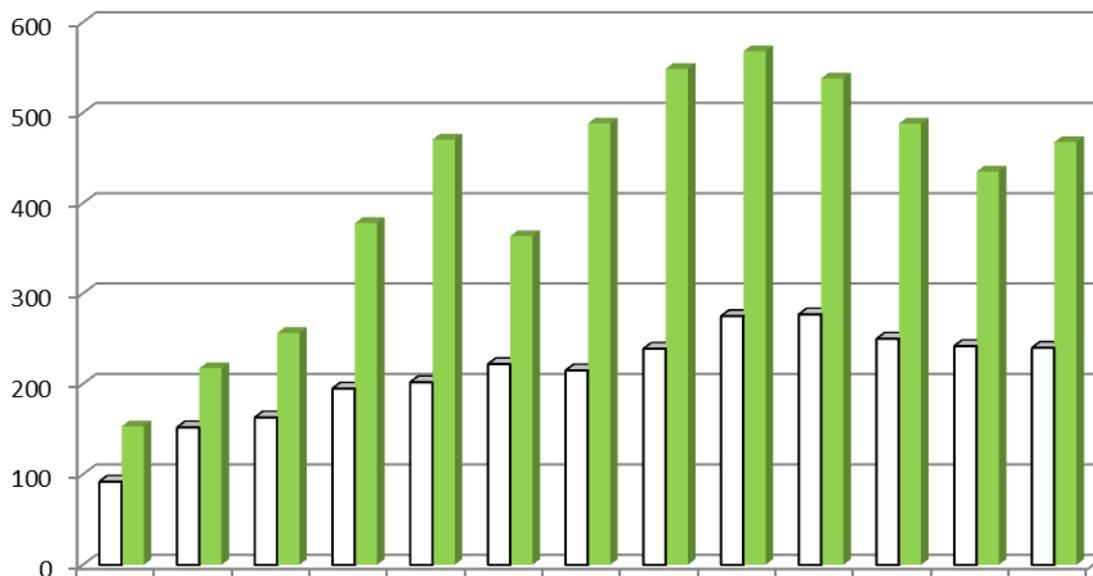
Bohemia Hop with Chmelarstvi extended their contracts with the hop suppliers in order to provide them with security for the investments that are now required for replanting the damaged acreage and future investments into harvesting and drying technology.

Chmelarstvi extended since September 2012 further the cold storage capacity for hops and hop products which now enables to store most of the crop in cold storage right after the harvest. Chmelarstvi also continued in its ongoing investments to hop processing technology to provide its customers with best possible products and services.

### Graphs:

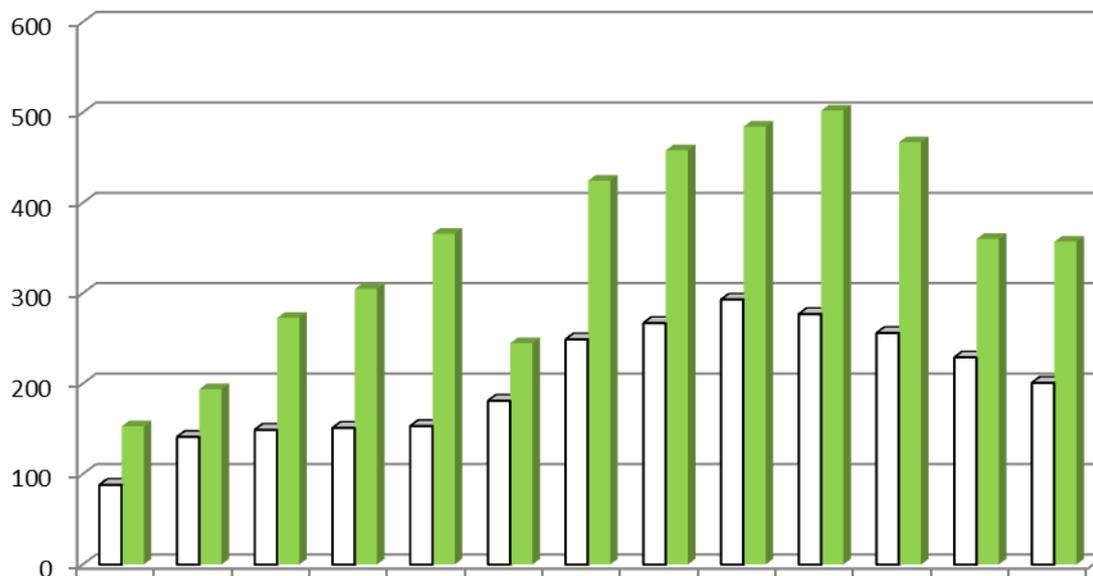


### SLADEK - Acreage and production



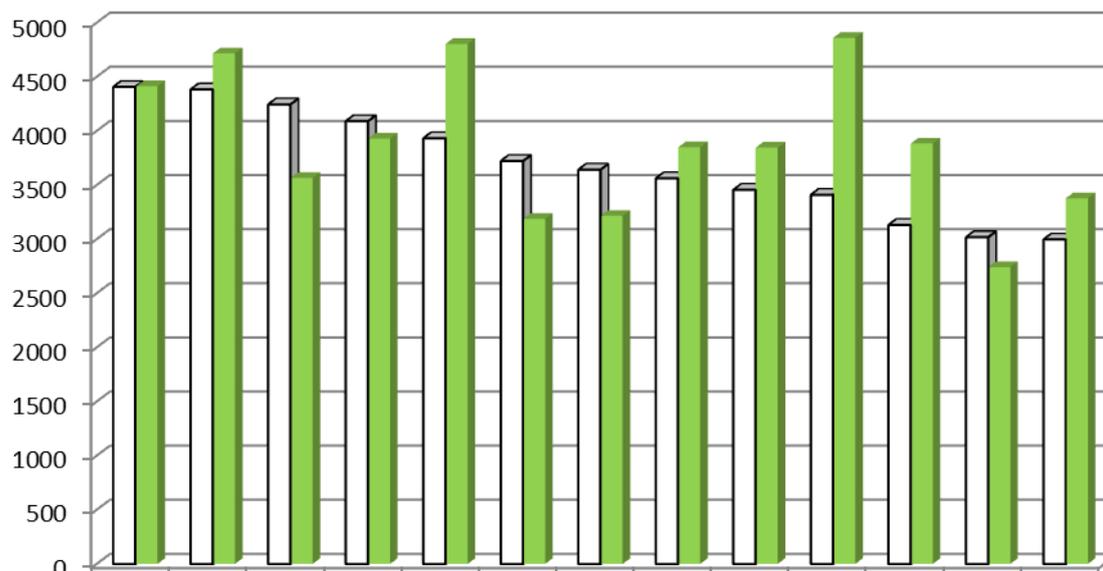
acresage(ha)	92	152	163	195	202	222	215	239	275	277	250	242	240
production(t)	153,1	217,4	256,3	377,9	470,5	363,5	488,2	548,6	568	538	488	435	467,5

### PREMIANT - Acreage and production



acresage(ha)	88	141	149	151	153	181	249	267	293	277	256	229	201
production(t)	152,8	193,9	272,6	304,7	365,8	244,8	424,4	457,95	484	502	467	360	357

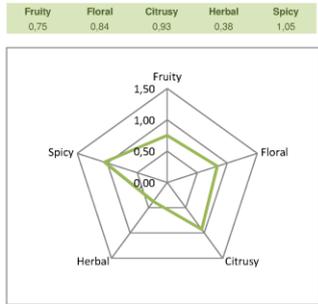
### Variety SAAZ - Saaz hop growing region



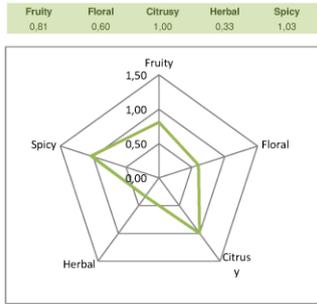
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
□ Acreage (ha)	4406	4383	4245	4090	3932	3722	3642	3562	3456	3410	3131	3018	2997
■ Production (t)	4412,7	4716,4	3565,2	3930	4803,6	3186,6	3215,5	3848,5	3845	4860	3883	2742	3377,1

**SENSORY PROFILE OF CZECH HOP VARIETIES**

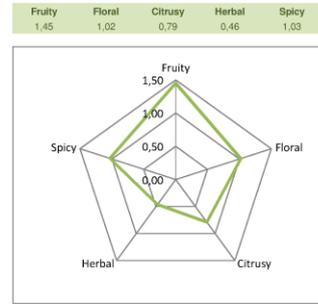
**SAAZ**



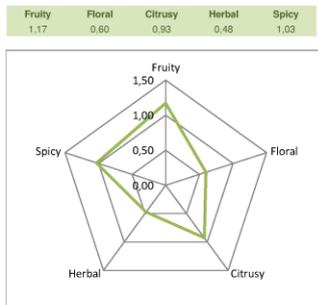
**SAAZ LATE**



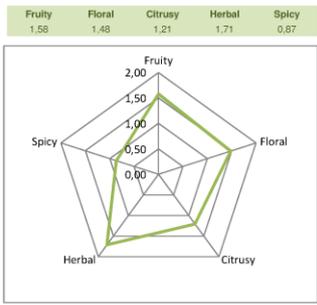
**PREMIANT**



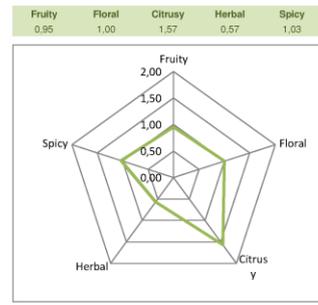
**SLADEK**



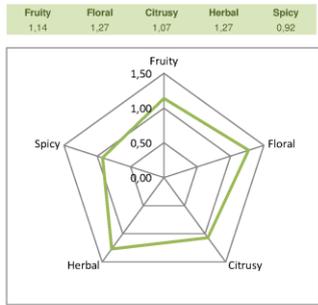
**HARMONIE**



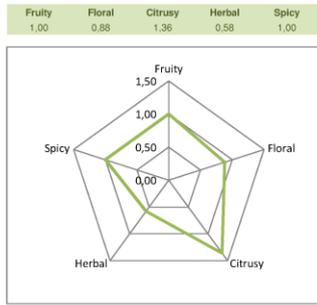
**AGNUS**



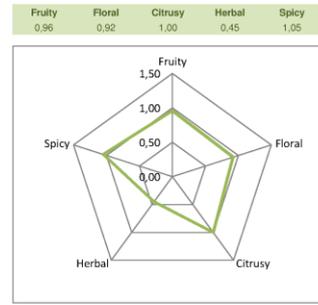
**BOHEMIE**



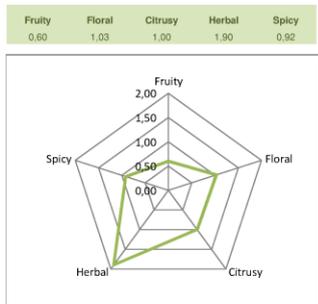
**KAZBEK**



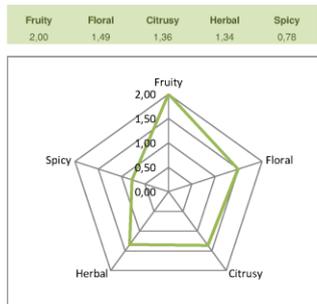
**BOR**



**RUBIN**



**VITAL**





**We are looking forward to futher  
cooperation.**



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