



# Czech Hop Production Reaches 8 306 t of Hops in 2021

Žatec, December 9, 2021



| Variety/ Region | Saaz(t)      |              |              | Auscha(t)  |            |            | Tirschitz(t) |            |            | Czech Rep. (t) |              |              |
|-----------------|--------------|--------------|--------------|------------|------------|------------|--------------|------------|------------|----------------|--------------|--------------|
|                 | 2021         | 2020         | 2019         | 2021       | 2020       | 2019       | 2021         | 2020       | 2019       | 2021           | 2020         | 2019         |
| Saaz            | <b>5 246</b> | 3 408        | 4 156        | <b>693</b> | 535        | 703        | <b>724</b>   | 565        | 614        | <b>6 663</b>   | 4 508        | 5 474        |
| Sládek          | <b>598</b>   | 447          | 513          | <b>128</b> | 88         | 101        | <b>176</b>   | 215        | 217        | <b>902</b>     | 749          | 832          |
| Premiant        | <b>235</b>   | 198          | 203          | <b>86</b>  | 71         | 94         | <b>78</b>    | 81         | 80         | <b>399</b>     | 350          | 377          |
| Agnus           | <b>78</b>    | 84           | 111          | <b>26</b>  | 19         | 21         | <b>4</b>     | 3          | 4          | <b>108</b>     | 106          | 136          |
| Saaz Late       | <b>62</b>    | 67           | 97           | <b>0</b>   | 0          | 0          | <b>4</b>     | 3          | 4          | <b>65</b>      | 70           | 102          |
| Kazbek          | <b>13</b>    | 32           | 65           | <b>14</b>  | 12         | 14         | <b>8</b>     | 8          | 13         | <b>35</b>      | 51           | 92           |
| others          | <b>126</b>   | 89           | 131          | <b>2</b>   | 1          | 0          | <b>4</b>     | 1          | 1          | <b>133</b>     | 91           | 132          |
| <b>Total</b>    | <b>6 358</b> | <b>4 323</b> | <b>5 277</b> | <b>950</b> | <b>726</b> | <b>934</b> | <b>998</b>   | <b>876</b> | <b>935</b> | <b>8 306</b>   | <b>5 925</b> | <b>7 145</b> |



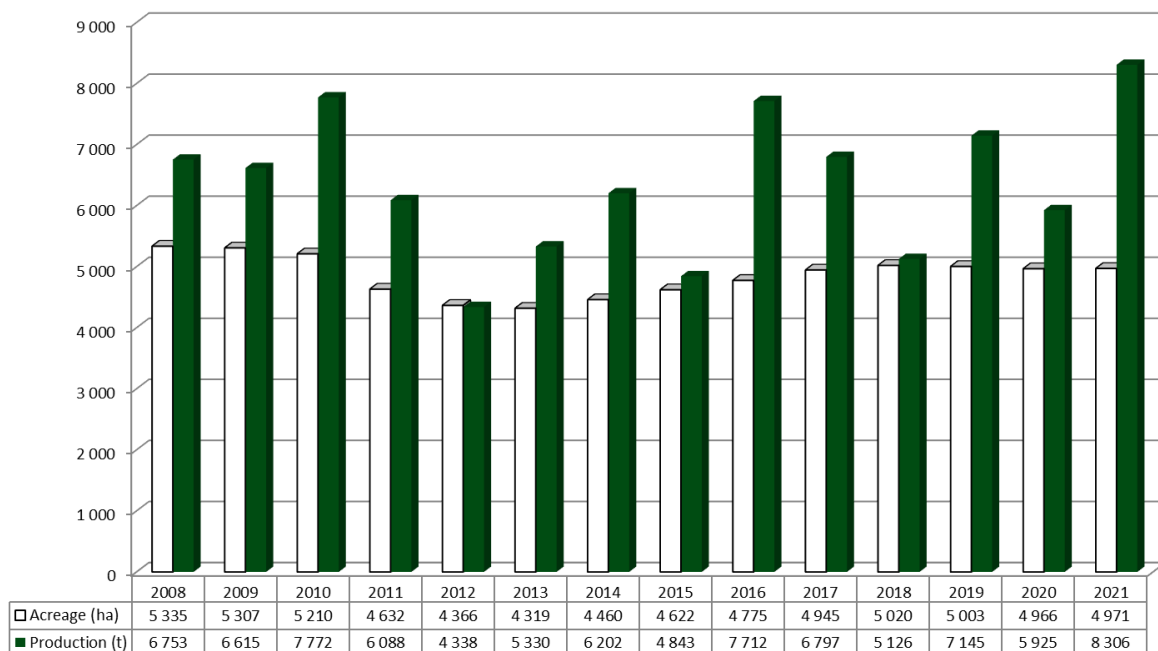
## Production of Hops in the Czech Republic in 2021

According to the report from The Central Institute for Supervising and Testing in Agriculture (CISTA/UKZUZ) from December 2021, the total hop production reached 8 306 tons in the Czech Republic in 2021. This is the highest production since 1996, but 25 years ago the hop acreage was 9 355 ha compare to 4 971 ha in 2021.

The table above includes hop production in all Czech hop growing regions – Saaz, Auscha and Tirschitz. The average yield for all hop varieties grown in the Czech Republic was 1.67 t per hectare. This was the highest yield ever achieved by the Czech hop growers.

The total hop production in the Saaz hop region was 6 358 tons, which is 76,5 % out of the total production. In the Auscha hop region the production was 998 tons, which is 12,0 % out of the total hop production and in the Tirschitz hop region the production reached 950 tons (11,5 % out of the total production).

Total Hop Acreage and Production - Including All Czech hop Varieties

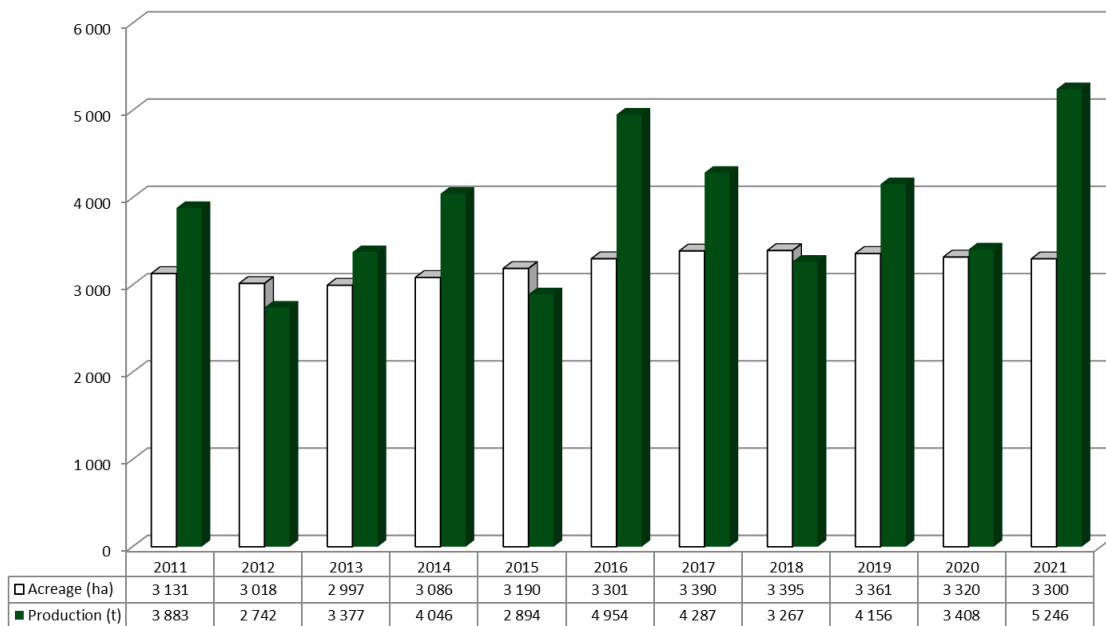




## SAAZ variety

The fine aroma variety SAAZ accounts for 80,0 % out of the total production, which is 6 663 tons. In the Saaz hop growing region, the total Saaz variety harvest reached 5 246 tons, in the Auscha hop growing region the production reached 693 tons and in the Tirschitz region the number was 724 tons.

SAAZ- Saaz Hop Growing Region



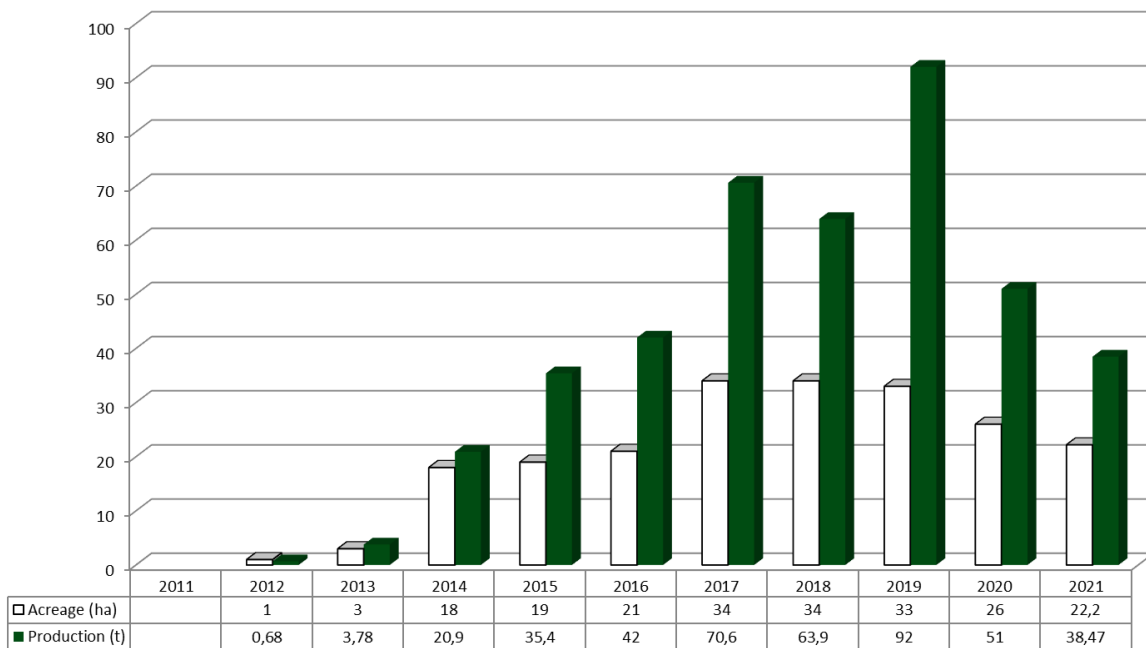


## Sladek, Premiant, Kazbek, Saaz Late, Agnus

The unique production result in 2021 was led mainly by the Saaz but the other Czech varieties did also well. 902 tons of Sladek variety were harvested with an average yield of 2.4 tons per hectare. Premiant variety reached 399 tons with an average yield of 1.84 tons per hectare.

Saaz Late reached 65 tons and Kazbek variety harvest was 38 tons, which is 13 tons less than in 2020. The harvest of Agnus variety reached 108 tons.

KAZBEK - Acreage and production





## Content and production of alpha bitter acids

In 2021 the average contents of alpha acids among all varieties significantly exceeded 10 – year as well 5 – year average. They were also higher than alpha contents recorded in 2020 crop year.

The average content of alpha acids for Saaz was 4,0 % (2020 – 3,6 %, 2019 – 3,4 %, 2018– 2,9 %), for Sladek 7,7 % (2020 – 6,8 %, 2019 – 5,4 %, 2018 – 4,3 %) and for Premiant 8,5 % (2019 – 7,8 %, 2018 – 7,1 %, 2017 – 5,1 %).

## Market

The hop harvest 2021 started due to the cold spring weather by several days later than usual and the harvest was very long with some growers finishing in early October. Despite the damages by hailstorms in June and July the final production was very good due to the favourable climatic conditions with high rainfall and mild temperatures from June to August.

Compared to 2021 crop, we see that especially the main Czech hop variety Saaz performed very well both in yields and alpha content and this can be evaluated as a record performance from a long-term view. This has not only enabled us to fulfil all contracted volume but also gives us a possibility to fulfil the postponed volumes from previous crops and satisfy an additional demand for Czech aroma hops. This year results provide the unique opportunity for brewers to create strategic stocks with Czech aroma hops with above average alpha content.





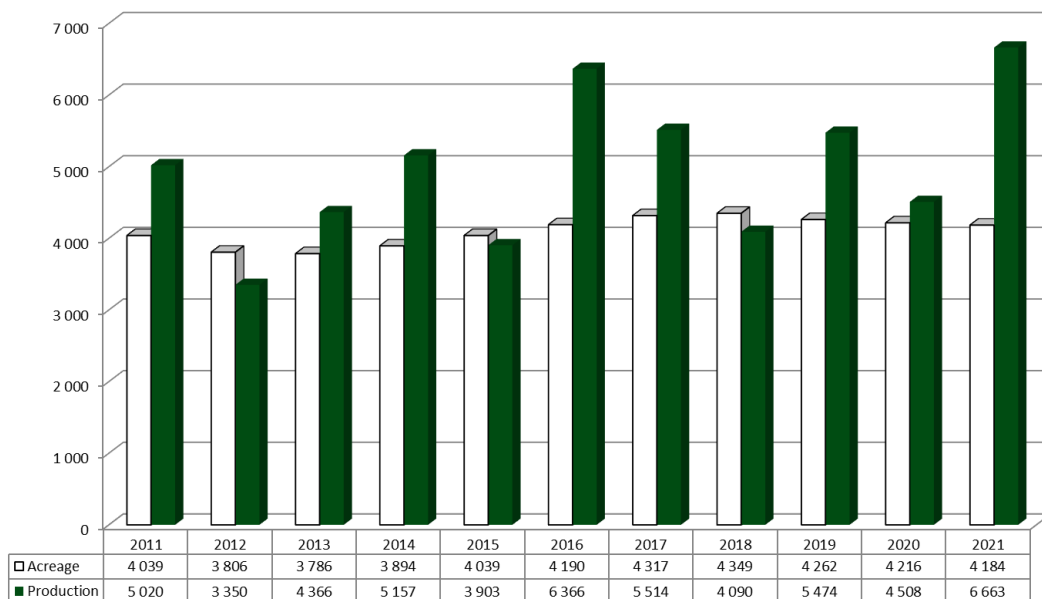
## Crop 2021 in the Czech Republic in comparison with the past 10 years

The average production among all Czech varieties from 2012 to 2021 is 6 172 tons. The final amount harvested in 2021 exceeds this value by 2 134 tons.

### SAAZ

10 - year production average of Saaz variety recorded in a period from 2012 to 2021 is 4 939 tons. This amount is 1 724 tons less than 6 663 tons reached in 2021 crop year. Moreover, the final result of 2021 crop of Saaz hops is 1 413 tons over 5 - year average crop as well. The average content of alpha acids of Saaz variety reached 4,0 % in 2021 crop year. This value is above 5- year average (3,23 %) and 10- year average (3,12 %) as well as average content of alpha acids recorded in 2020 crop (3,6 %). Although the year-on-year production varies, the supply and production of Saaz hops have been stable from a long-term point of view.

SAAZ (Czech Republic) - Acreage and production

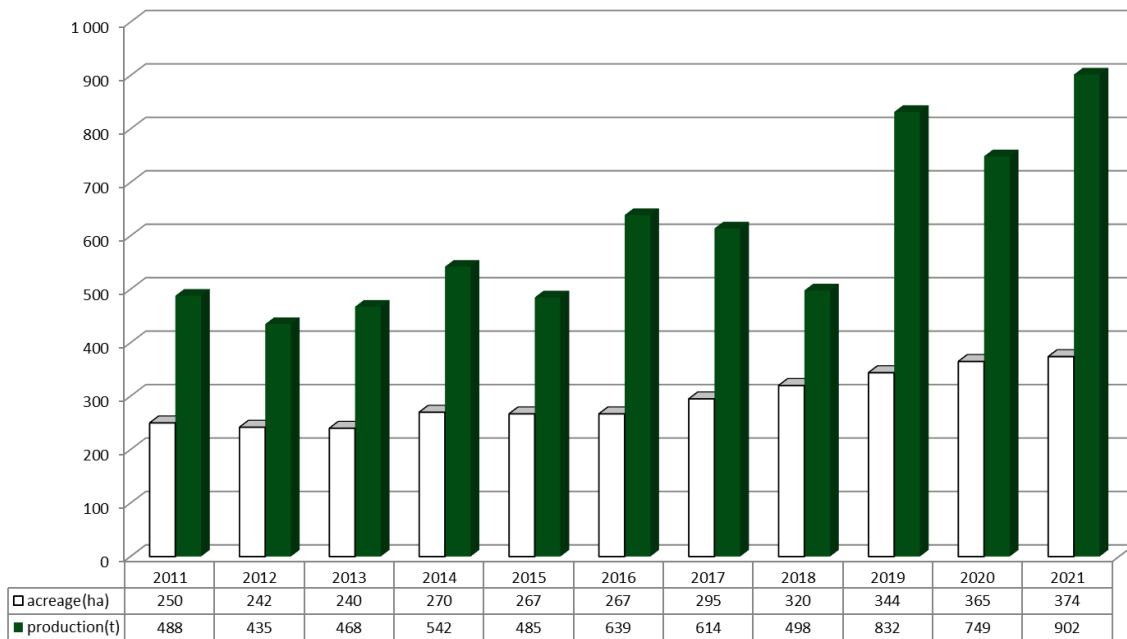




## SLADEK

The average production of Sladek variety from 2012 to 2021 crop is 616 tons. The production of 2021 crop (902 t) is 286 tons higher in comparison to 10-year average and is also higher than 5-year average (719 t). The average content of alpha acids reached 7,7 % in 2020 crop year. This value is above 5-year average (6,08 %) and also 10-year average (6,25 %) as well as the average content of alpha acids recorded in 2020 crop (6,8 %). The production and acreage of Sladek has gradually been increasing.

SLADEK - Acreage and Production







## PREMIANT

The average production of Premiant variety from 2012 to 2021 is 347 tons. Thus, the production of 2021 crop (399 tons) is slightly higher than 10 – year average as well as 5 -year average that is 342 tons. The average content of alpha acids reached 8,5 % in 2021 crop year. This value is above 5- year average (7,22 %) and also above 10 - year average (7,6 %). Due to a renewal of hop gardens within last seasons, Premiant hops reach stable production.

PREMIANT - Acreage and Production

