

plant shape is fusiform to cylindrical  
main shoot is green  
oblika rastline je vretenasto cilindrična  
trta je zelene barve

## disease resistance

## odpornost na bolezni

### downy mildew

|                     |        |
|---------------------|--------|
| primary infection   | low    |
| secondary infection | medium |

### hmeljeva peronospora

|                   |         |
|-------------------|---------|
| primarna okužba   | nizka   |
| sekundarna okužba | srednja |

### powdery mildew medium

### hmeljeva pepelovka srednja

### verticillium wilt

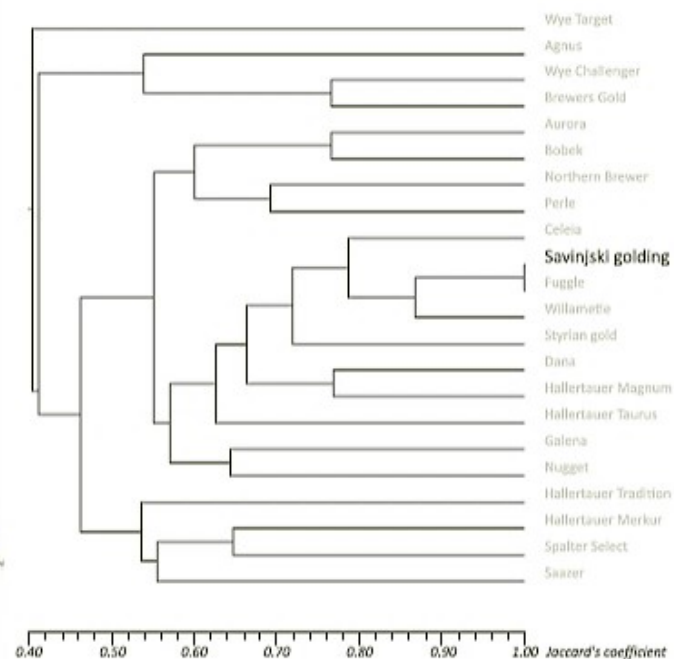
|             |        |
|-------------|--------|
| mild form   | medium |
| lethal form | low    |

### verticilijska uvelost

|                |         |
|----------------|---------|
| blaga oblika   | srednja |
| letalna oblika | nizka   |

## genetic analysis

## genetska analiza



cone shape is medium ovate  
average cone length is 30 mm  
average weight of 100 dry cones is 14 g  
storžki so srednje ovalni  
povprečno 30 mm dolgi  
100 suhih storžkov tehta povprečno 14 g





## hop resins

|                                |           |                                 |
|--------------------------------|-----------|---------------------------------|
| $\alpha$ -acids (% w/w)        | 2,8 - 6,1 | $\alpha$ -kislina (ut. %)       |
| $\beta$ -acids (% w/w)         | 1,8 - 4,1 | $\beta$ -kislina (ut. %)        |
| cohumulone (% $\alpha$ -acids) | 27 - 33   | kohumulon (% $\alpha$ -kislina) |
| colupulone (% $\beta$ -acids)  | 45 - 53   | kolupulon (% $\beta$ -kislina)  |
| xanthohumul (% w/w)            | 0,2 - 0,3 | ksantohumul (ut. %)             |

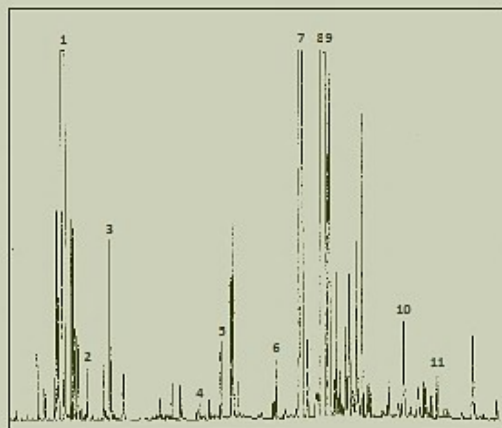
## essential oils

|                           |           |                     |
|---------------------------|-----------|---------------------|
| total oil (mL/100 g hops) | 0,3 - 1,7 | (mL/100g hmelja)    |
| relative % in oil         |           |                     |
| myrcene                   | 25 - 38   | miracen             |
| linalool                  | 0,1 - 0,2 | linolool            |
| $\beta$ -caryophyllene    | 9 - 12    | $\beta$ -kariofilen |
| $\alpha$ -humulene        | 29 - 38   | $\alpha$ -humulen   |
| farnesene                 | 6 - 8     | farnezen            |

## oil components

gas chromatogram of hop essential oil

- 1 myrcene
- 2 trans  $\alpha$ -cymene
- 3 linalool
- 4 geraniol
- 5 methyl-nonyl-keton
- 6 geranyl-acetat
- 7  $\beta$ -caryophyllene
- 8  $\alpha$ -humulene
- 9 farnesene
- 10 humulene-1-epoxide
- 11 humulene-2-epoxide



## hmeljne smole

## eterična olja

vsebnost olja  
relativni % v olju

## oljne komponente

kromatogram  
eteričnega olja  
hmelja

- 1 miracen
- 2 trans  $\alpha$ -cimen
- 3 linolol
- 4 geraniol
- 5 metil-nonil-keton
- 6 geranil-acetat
- 7  $\beta$ -kariofilen
- 8  $\alpha$ -humulen
- 9 farnezen
- 10 humulen-1-epoksid
- 11 humulen-2-epoksid

## Styrian Savinjski Golding



# Savinjski golding

Savinjski golding is traditional Slovenian variety, an ecotype of the English Fuggle, which was brought to Slovenia in the 19th century.

This variety is recognised for its good agronomic traits in hop production and processing. It is a traditional Slovenian variety known worldwide for its noble hoppy aroma and its pleasant and harmonic bitterness. Beer brewed with Savinjski golding has very good organoleptical scores for bitterness, aroma and flavour.

Savinjski golding je tradicionalna slovenska sorta, ekotip angleške sorte Fuggle, ki je bila prenesena v Slovenijo v 19. stoletju. Sorta je znana po dobrih agronomskih lastnostih za pridelavo in spravilo hmelja.

Savinjski golding je tradicionalna slovenska sorta, ki je svetovno poznana po fini hmeljni aromi ter prijetni in harmonični grenčici. Pivo, varjeno s Savinjskim goldingom, ima zelo dobro organoleptično oceno za grenčico, aromo in okus.

|                   |                 |
|-------------------|-----------------|
| ripening time     | medium early    |
| storage stability | very good       |
| yield             | 1200-2200 kg/ha |

|                       |                 |
|-----------------------|-----------------|
| tehnološka zrelost    | srednje zgodna  |
| skladiščna obstojnost | zelo dobra      |
| pridelek              | 1200-2200 kg/ha |