

# SPALTER SELECT

## VARIETY INFORMATION



[www.hopsteiner.com](http://www.hopsteiner.com)

### Genetic Origin

A cross from 76/18/80 and 71/16/7, released in 1993.

### Agronomic Aspects

#### Growing

Classification	Aroma
Yield (kg/ha)	1,750 - 2,000
Maturity	Medium to Late
Main growing country	Germany
Acreage (ha)	533

#### Resistance against Diseases

Wilt diseases	Resistant
Downy mildew	Resistant
Powdery mildew	Tolerant
Aphid	Restant

### Chemical Ingredients

#### Bitter Components

Alpha acid %	3.0 - 6.5
Beta acid %	2.5 - 5.0
Cohumulone % rel.	21 - 27
Hard resins : alpha acid	0.22 - 0.81

#### Polyphenoles

Total polyphenoles	4.9
Xanthohumol	0.3 - 0.5

#### Aroma Components

Total oils (ml/100g)	0.5 - 0.9
Beta-caryophyllene: Humulene	0.37 - 0.40
Farnesene % of total oil	14.5 - 22.0
Linalool % of total oil	1.0 - 1.5
Linalool : Alpha acid	0.23 - 0.33

### Aroma Evaluation (Smell of Raw Hops, 0-5)

Aroma Specification	spicy, floral, grassy				
Fruity	1	0	0	0	0
Floral	2	1	0	0	0
Citrusy	2	1	0	0	0
Spicy	3	2	1	0	0
Earthy / resinous	2	1	0	0	0
Herbal	2	1	1	0	0
Sugar-like	1	0	0	0	0

### Substitutes

Brewhouse	Dry Hopping
Hallertauer Tradition	Perle, Hallertauer Tradition

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**Hopsteiner**

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