


Callista (2010/08/33)
Large Scale Field Trials and Brewing Trials


Pedigree and Agronomic Features (current results)

Pedigree	Hallertauer Tradition x Hüll male breeding line
Advantages	vigorous homogenous growth, good twining ability, nice large cones
Disadvantages	slightly club-shaped, sl.hermaphrodite, no sites with Vert.wilt
Maturity	medium - late (before Hersbrucker Spät)
Harvest	good pickability and very good drying
Yield Potential	high (comparable to Hallertauer Tradition and Perle)

Resistance towards

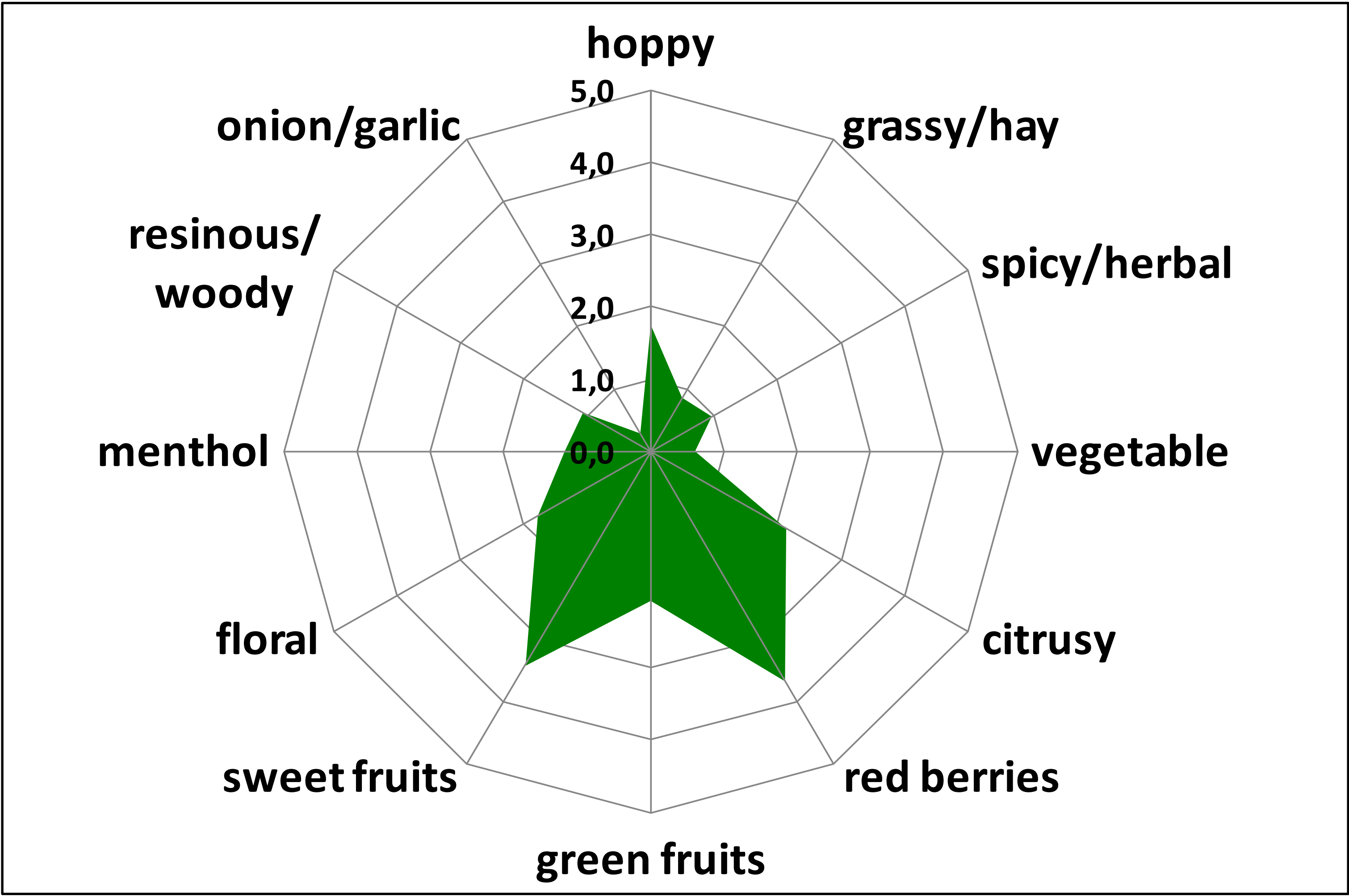
Verticillium wilt	so far good	
Downy Mildew primary infection	high	
Downy Mildew sec. infection	high	
Powdery Mildew	resistant	
Botrytis	poor - medium	
Red Spider Mite	medium	
Hop Aphid	medium	

Chemical Compounds

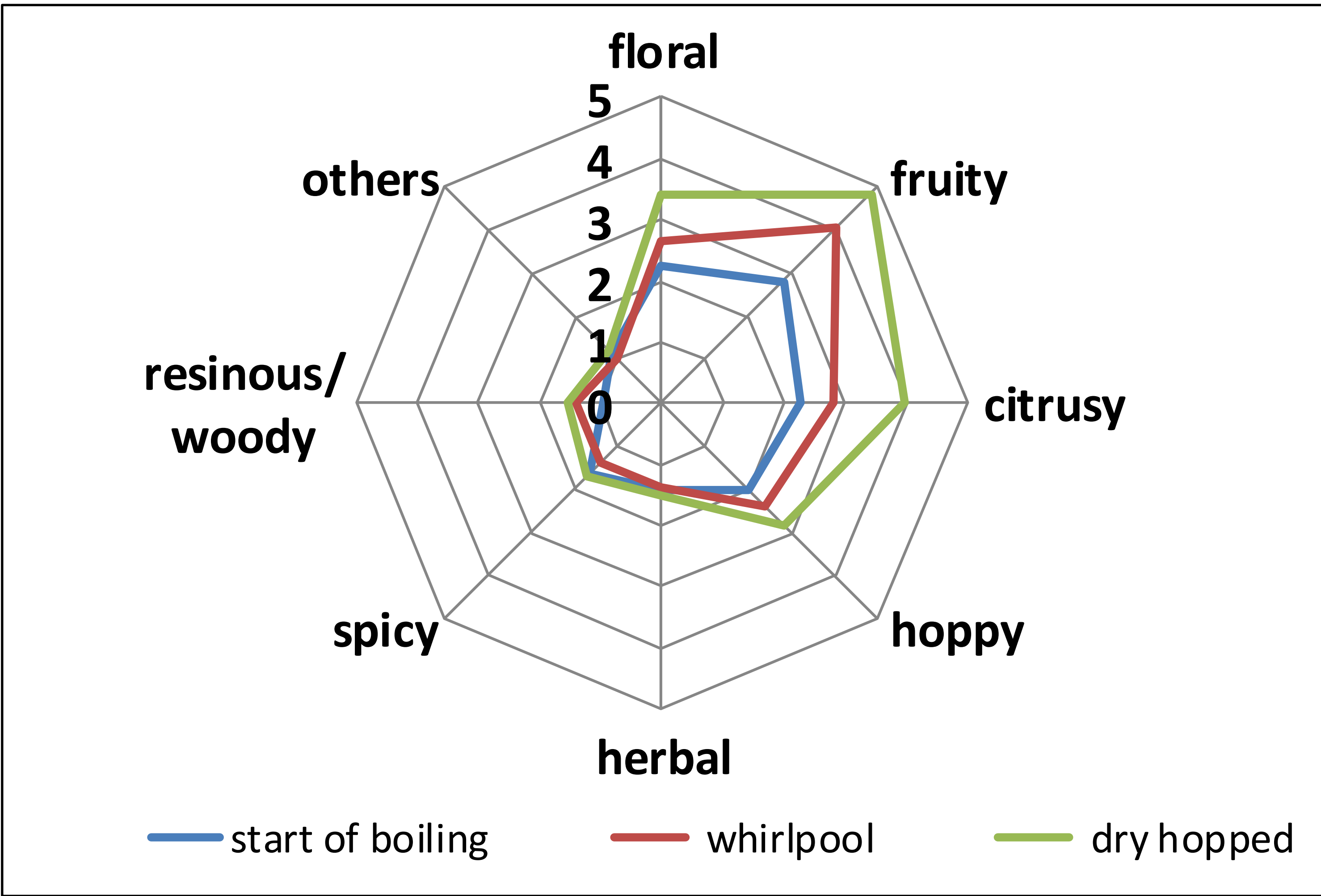
Bitter Substances (EBC 7.7):		
Alpha Acids (%)	3.3 (2 - 5)	
Beta Acids (%)	7.0 (5 - 10)	
Cohumulone (rel. in % of α -acids)	18 (15 - 21)	
Xanthohumol (%)	0.5 (0.3 - 0.6)	
Total Oil Content (EBC 7.10): ml/100 g	1.7 (1.4 - 2.1)	
Aroma Impression Raw Hops	pleasantly hoppy note, intensively fruity, harmonious, sweet fruits (apricot, passion fruit), red berries (blackberry, raspberry)	

Assessment based on Brewing Trials

Depending on the beer type and dosage this hop imparts various flavors such as passion fruit, grapefruit, peach, gooseberry to beer. This breeding line is extremely versatile in various beer types. Feedback from the systematic trial brews has been consistently positive.



aroma impressions in raw hops
(mean values)



Aroma impressions of beers derived from systematic trial brews
(mean values independent of beer type)