



Hopunion CBS, LLC

GR SPALT

Pedigree	Traditional German landrace variety selected and grown in the area of the same name.
Maturity	Medium - early
Yield	1200 – 1600 kg./ha or 1000 – 1400 lb./ac.
Growth Habit	Vigorous with long laterals but not prolific cone producer.
Disease/Pest Susceptibility	Field resistance to German strains of <i>Verticillium</i> wilt and some tolerance to downy mildew
Pickability/Drying/Baling	Fair to good but light cones
Cone-Structure	Smallish but fairly tight cone
Lupulin	Fair amount pale yellow in color
Aroma	Mild and pleasant, slightly spicy
Alpha Acids	4 – 5% w/w
Beta Acids	4 – 5% w/w
Co-Humulone	23 – 28% of alpha acids
Storageability	50 – 60% alpha acids remaining after 6 months storage at 20° C
Total Oil	0.5 – 1.1 mls/100 grams
Myrcene	15 – 25% of whole oil
Humulene	18 – 25% of whole oil
Caryophyllene	10 -15% of whole oil
Farnesene	10 -15% of whole oil
General Trade Perception	Traditional, very fine or noble aroma hop
Possible Substitutions	US Saaz, US Tettnang, German Spalt Select
Typical Beer Styles	Lager, Pilsner, Bock, Alt, Kölsch, Munich Helles
Additional Information	Grown only in Spalt area and not a large acreage available.
Personal Notes:	