

# LORAL™

(FORMERLY HBC 291)



**HOP BREEDING COMPANY**  
SELECT BOTANICALS GROUP • JOHN I. HAAS INC.



**HAAS**

## PEDIGREE

Loral™, formerly known as HBC 291, provides a more traditional yet unique hop character, providing the floral and herbal notes one would expect from a fine noble aroma hop. It's mother is the U.S. developed aroma variety Glacier; the grandmother being the long established European noble aroma variety known as Tardif de Bourgogne originating in the Bourgogne region of Eastern France. The father is a son of the U.S. developed Nugget variety. Loral™ is characterized by having numerous small, dense cones with moderate alpha acids. The variety is expected to be commercialized in 2016.

## AROMA PROFILE

The aroma profile of Loral™ has been described as a "super noble hop" with its wonderful floral and herbal notes followed by a backdrop of citrus and earthy character. A touch of sweet fruity aroma rounds out this well-balanced hop. In beer, the floral notes are accentuated yet complemented nicely by fruity and citrus with just a hint of herbal. Don't expect an in-your-face fruity character with Loral™ as seen with some recent U.S. variety releases - this hop is approachable and balanced. Great for distinctive IPAs and pale ales but perfect for sessionable and lager-style beers.

<b>Pedigree</b>	U.S. Glacier & U.S. Nugget
<b>Aroma</b>	Floral, herbal, citrus
<b>Alpha Acids*</b>	10.0 – 12.0%
<b>Beta Acids</b>	4.5 – 5.5%
<b>Cohumulone</b>	21 – 23% of alpha acids
<b>Total Oil</b>	1.5 – 2.5ml/100g
<b>Myrcene</b>	37 – 39% of total oil
<b>Humulene</b>	23 – 25% of total oil
<b>Caryophyllene</b>	6 – 8% of total oil
<b>Geraniol</b>	0.7 – 1.3% of total oil
<b>Linalool</b>	1.0 – 1.4% of total oil
<b>Storage Stability</b>	Fair

\*Alpha acids are determined by conductometric titration (EBC 7.4) in Europe; by spectrophotometric (ASBC Hops-6) in USA

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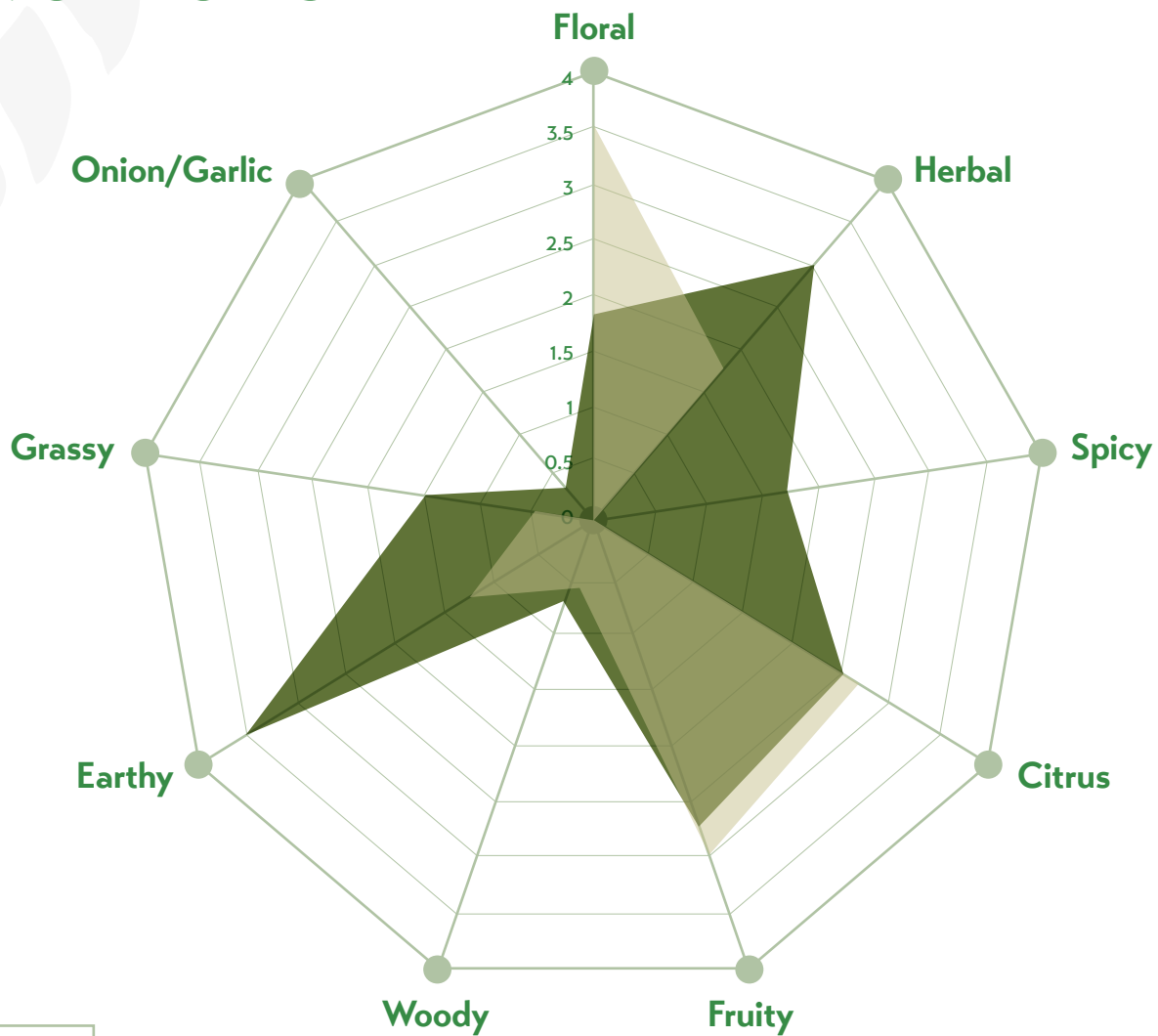


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## FLAVOR NOTES



\*Beer kettle hopped and dry hopped with Loral™ hops at -1.0 lb/bbl.