

# Hot Steep Malt Sensory Exploration

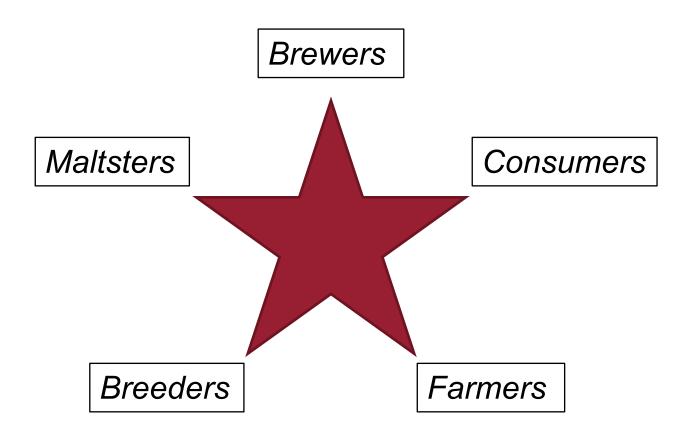
Presented by Evan Craine evan.craine@wsu.edu



**WSU Sustainable Seed Systems Laboratory** 



## **Breeding a Malt Quality Barley**





#### **Hot Steep Methodology**

- Developed at Briess Malt & Ingredients Co.
- Beta tested by Briess, New Belgium, and Highland Brewing
- Validated by ASBC Sensory Technical Committee



Casey Poirier



Lindsay Barr

Anna Sauls







# **Hot Steep Process**





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### **Intro to Tasting**

- 1. Look
- 2. Sniff
- 3. Sip (slurp!)
- 4. Savor
- 5. Report perception

# **Huge Thank You to LINC Malt!**

287	443	992
Baronesse	Lyon	CDC-Copeland

You're officially invited to

Joseph's Grainery
ARONESSE BARLEY
2019 harvest day



August 17, 2019 www.josephsgrainery.com

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# LYON

SPRING BARLEY

**Lyon** is a two-row dual-purpose malt and feed barley developed by the Agricultural Research Center of Washington State University. Lyon is named in honor of Steven R. Lyon, a farmer and long-time wheat researcher at Washington State University.

Lyon is a high yielding, broadly adapted variety particularly well suited to intermediate and high rainfall zones of the Palouse where Bob, Baronesse, Lenetah, and Champion are currently being grown. Lyon has excellent stem rust resistance, high protein, and plump kernels across a wide range of environments.

	AGRONOMICS
Yield Potential	Excellent
Protein	Very Good
Test Weight	Average
Maturity	Medium
Height	Medium
Plump Kernels	Excellent
ı	DISEASE RESISTANCE
Stem Rust	Excellent
Leaf Rust	Excellent
Stripe Rust	Moderately Susceptible

#### **WSU IN**

FOOD & AGRICULTI

# WSU-l uniqu

(h) May 15, 2018

By Seth Truscot Resource Scien

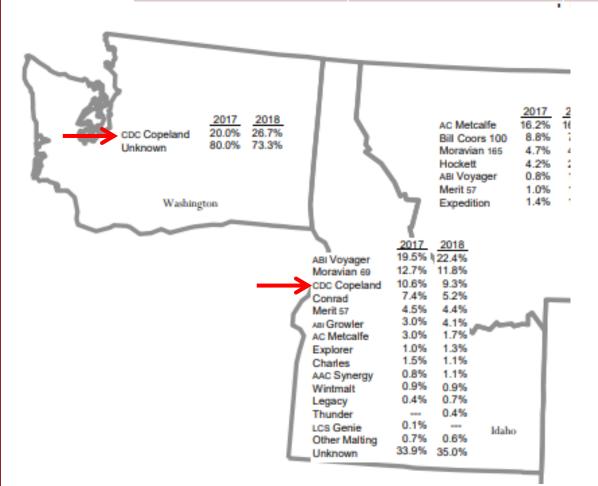


ring lavors



Lyon barley gives Hunga Dunga beer a clean, light and fresh taste, with a rich reddish-gold hue.

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American Malting Barley Association (AMBA) Survey

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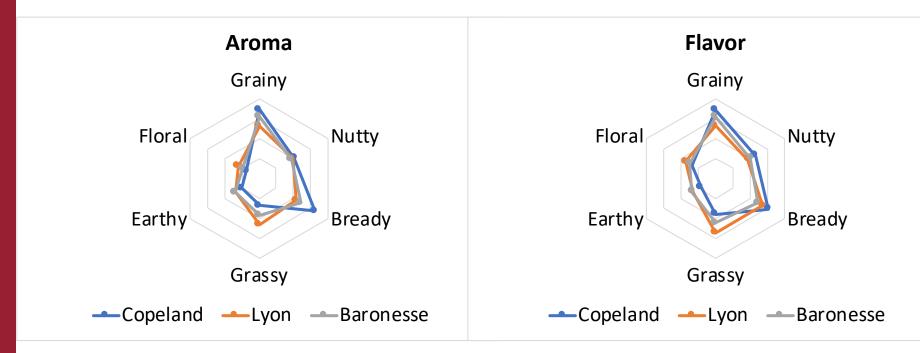
## Malting Barley seeded area by variety - Acres

W. CANADA	2017	%	2016
CDC Copeland -	1,036,540	48.7%	1,033,452
AC Metcalfe	693,312	32.6%	780,487
AAC Synergy	156,947	7.4%	129,150
Bentley	34,513	1.6%	48,098
Newdale	54,131	2.5%	78,326
Legacy	64,804	3.0%	72,047
Celebration	23,197	1.1%	37,461
CDC Kindersley	11,232	0.5%	21,862
CDC Meredith	11,611	0.5%	39,478
Tradition	11,737	0.6%	19,718
CDC PolarStar	9,136	0.4%	19,055
CDC PlatinumStar	7,935	0.4%	0
CDC Bow	5,580	0.3%	330
AAC Connect	2,976	0.1%	0
Merit 57	1,215	0.1%	4,818
CDC Fraser	128	0.0%	0
Cerveza	0	0.0%	946
Other	4,914	0.2%	25,122
Total Malting			
Barley	2,129,908	100%	2,310,350



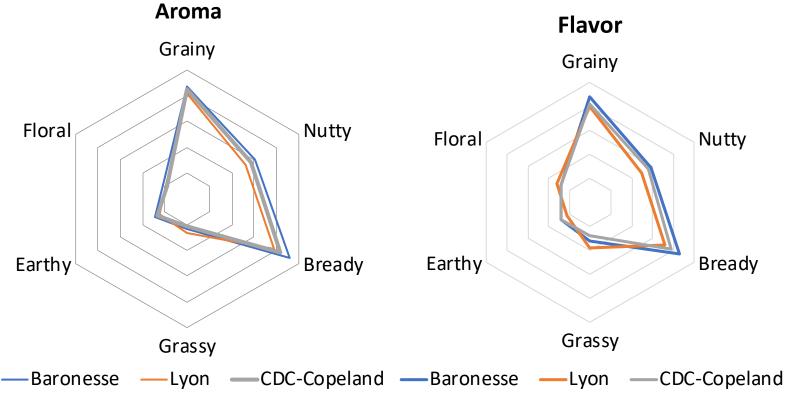


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Data from tasting with same samples at 2018 Cascadia Grains East Pilot

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# **Join Upcoming Trained Panels!**

- Become a trained taster for hot steep malt and beer!
- Learn about sensory analysis
- Advance malt barley research

Beginning May, 2019!

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