



Thoughts on Brewing Lager

Florian Kuplent

District Northwest

October 20-21, 2017

Eugene, Oregon

Ingredients



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Brewing Process



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Fermentation



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WHY DOES PFRIEM LOVE LAGERS?

- Because they're awesome!
- Complex but quaffable.
- Incredibly diverse. - Light, Strong, Dark, Hoppy, Smoked, etc.
- A perfect vehicle for nuance.
- They taste great after work.
- Beers of moderation!



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WHAT'S OUR IDEOLOGY?

- Respect for the tradition, style and technical nuances.
- Low and slow.
- Patience and attention.
- Fundamental raw ingredient understanding and handling.
- High level approach to understanding brewhouse and fermentation procedures / affects.
- Less is more.



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IMPORTANT PROCESS POINTS

- Highest quality raw ingredients, handled gently.
- Tight, measurable brewhouse process control.
- Excellent yeast health, proper oxygenation or aeration,
- Temperature control, cool fermentation temperatures.
- Extended lagering time below 32F
- Finish the beer with clarification.
- Drink it fresh!



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Lager Brewing at Heater Allen

Rick Allen

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More Time = Better Beer

- 16+ days in fermenter
- 3-5 weeks in lagering tank (longer is better)



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Fermentation & Lagering Tanks

- Closed conical fermenters work great
- Lagering tanks can be any shape but short and squatty is better than tall and skinny
- From a production standpoint, the ratio of fermenters to lagering tanks is less important than having the tank space.



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Refrigeration Is Critical

- Cold Rooms vs Jacketed Tanks
- Cold Liquor Tank



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