

Style:

AMERICAN WHEAT (19L/5GAL)

Biotransformation Series

Fermented with: LalBrew Pomona™ WE BREW WITH YOU."

Beer name and/or description: American Wheat (coriander precursors)

This recipe is for a modernized American Wheat beer with notes of stonefruit, floral, and citrus overlying a lightly doughy malt base. The use of Indian cordiander seed provides terpene precursors that are biotransformated by the yeast. Zesty yeast character pairs well with the use of hops rich in free aromatic thiols. Read more

			Water		
Mash	Temp.	71.5	°C	161	°F
Water		18.6	L	4.9	gal
Sparge Water	Temp.	78	°C	172	°F
		10.2	L	2.7	gal

Malt

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Malt/adjuncts	Kg	Lbs	%	
Pilsner Malt	3.3	7.3	65	
Wheat Malt	1.6	3.5	30	
Munich Malt	0.3	0.7	5	
Total	5.2	11.5	100	
	Mash & Sp	arge		
	1	Temperature		
	°C	°F	Time (min)	

NOTES

Mash Step 1

Mash Step 2 Mash Step 3 Mash Step 4

Other ingredients	Quantity	Units (L, g, etc)	Addition Point
Indian Cordiander	15	g	10 min boil
(crushed)			

66

151

60

% ABV: 5.3 IBU: 21 Color (SRM): 4.1

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Wort	SG	L	gal	рН			
Pre-boil	1.045	28.1	7.4				
Post-boil	1.052	24.4	6.4				
Total Boil Time	75		minutes				

Hons

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	0	Weight		Kettle addition	Dry hopping		
Hop Variety	%AA	g	0Z	Boil Time (min)	Fermentation day		
Crystal	4.3	45	1.6	60			
Crystal	4.3	45	1.6	20			
Crystal	4.3	45	1.6	10			
Hallertau Blanc	10.0	42	1.5	WP			
Citra	11.0	42	1.5	WP			
Crystal	4.3	42	1.5	WP			
Total	38.2	261	9.3				

Fermentation

Yeast Strain	LalBrew Pomor	ıa™		
Pitch Rate	0.58	1x11g sachet		
Temperature	21	°C		°F
	SG		Plato	
OG	1.052		12.9	
FG	1.011		2.8	
Attenuation	78	%		

Long boil of 75 minutes for DMS reduction. Cool the wort to 80'C for whirlpool additions (20 min) Increase temp to 23'C for diacetyl rest when attenuation reaches 1.029-1.034













LalBrew Pomona™ Biotransformation Recipe Series

Lallemand/Escarpments Labs Collab 4: American Wheat Ale

This recipe is for a modernized American Wheat beer – the aim is for a combination of stonefruit, floral, and citrussy character overlying a "light malt" base.

We achieve this outcome by a precise combination of zesty yeast character, a counterpoint of juicy high free thiol hop, and high free terpene Indian coriander seed. With no dry hop, the flavor profile from fermentation with LalBrew Pomona $^{\text{TM}}$ takes the lead, creating a crisp, sessionable, and elegant modern wheat beer.

We will achieve this by a combination of methods:

- **Addition of Indian coriander in the boil** for maximal extraction of terpene precursors such as linalool (lavender, spicy) and geraniol.
- Conversion of geraniol to beta-citronellol (citrus) during fermentation by LalBrew Pomona™
- > Warmer fermentation temperature with LalBrew Pomona™ to promote ester profile of stonefruit and citrus.

