

**Batch from iBrewMaster: Noctoberfest**

Justin Christie

**Sent:**Sunday, March 02, 2014 9:46 AM**To:** Justin Christie**Noctoberfest****Style:** Schwarzbier**Type:** All Grain**Rating:** 0.0**IBU's:** 25.33**Color:** 23.8 SRM**Preboil OG:** 1.042**Calories:** 167**Boil Size:** 8.42 Gal**Batch Size:** 7.00 Gal**Boil Time:** 90 minutes

	<b>Estimated</b>	<b>Actual</b>
<b>Brew Date:</b>	-	02/15/2014
<b>OG:</b>	1.051	1.053
<b>FG:</b>	1.014	1.014
<b>ABV:</b>	4.85 %	5.11 %
<b>Efficiency:</b>	75 %	78 %
<b>Serve Date:</b>	04/29/2014	//

**Fermentation Steps**

<u>Name</u>	<u>Days / Temp</u>	<u>Estimated</u>	<u>Actual</u>
Primary	14 days @ 50.0°F	02/15/2014	02/15/2014
Pitch	0 days @ 45.0°F	03/01/2014	-
Lager	45 days @ 40.0°F	03/01/2014	-
Bottle/Keg	14 days @ 40.0°F	04/15/2014	-

**Grains & Adjuncts**

<u>Amount</u>	<u>Percentage</u>	<u>Name</u>	<u>Time</u>	<u>Gravity</u>
6.75 lbs	50.30 %	Munich Malt - 10L	60 mins	1.035
5.25 lbs	39.13 %	Pilsner (2 Row) Ger	60 mins	1.037
0.65 lbs	4.87 %	Caramel/Crystal Malt - 40L	60 mins	1.034
3.25 ozs	1.51 %	Chocolate Malt	60 mins	1.034
3.25 ozs	1.51 %	Chocolate Malt - Pale	60 mins	1.034
2.50 ozs	1.16 %	Roasted Barley	60 mins	1.025
3.25 ozs	1.51 %	Carafa II	60 mins	1.032

**Hops**

<u>Amount</u>	<u>IBU's</u>	<u>Name</u>	<u>Time</u>	<u>AA %</u>
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0.60 ozs	21.39	Magnum	60 mins	13.50
0.60 ozs	3.94	Hallertauer	20 mins	4.10
0.60 ozs	0.00	Hallertauer	0 mins	4.10

**Yeasts**

<u>Amount</u>	<u>Name</u>	<u>Laboratory / ID</u>
1.00 pkg	Old Bavarian Lager	White Labs WLP 920

**Additions**

<u>Amount</u>	<u>Name</u>	<u>Time</u>	<u>Stage</u>
1.00 each	Whirlfloc Tablet	15 mins	Boil
3.00 g	Yeast Nutrient	15 mins	Boil

**Mash Profile**


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Medium Body Infusion In	60 min @ 154.0°F
Add 28.00 qt water @ 163.2°F	

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Mashout	10 min @ 170.0°F
Heat to 170.0°F over 2 mins	

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**Carbonation**

<u>Amount</u>	<u>Type</u>	<u>Beer Temp</u>	<u>CO2 Vols</u>
9.7 psi	Force Carbonation	37.0°F	2.40

**Notes**

PH 5.3

**Mash**

Gypsum 1.1

Cal Chloride 1.4

Epsom 0.7

Phosphoric Acid 3.5

**Sparge**

Gypsum 1.5

Cal Chloride 2.0

Epsom 1.0

Phosphoric Acid 5.1

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