

2014/11/23 - Wood's Winter Warmer (Winter Wood)

Name	Wood's Winter Warmer (Winter Wood)			
Style	Specialty Beer		Brew Date	2014-11-23
Type	All Grain		Boil Size	14.5 gal
IBU's	31.1		Batch Size	11.0 gal
Color	29.7 SRM		Boil Time	60 min
	Estimated		Actual	
Pre-Boil OG	1.059			
OG	1.066		1.062	
FG	1.017		1.022	
ABV	6.5%		6.5%	
Efficiency	80.0%			
Grain	17.0 lbs	Pale Malt, Maris Otter		57.9%
	2.2 lbs	Munich Malt		7.7%
	4.2 lbs	Weyermann Caramunich II		14.5%
	3.0 lbs	Caramel/Crystal Malt -120L		10.2%
	2.0 lbs	Weyermann Vienna Malt		6.8%
	0.9 lbs	Special B Malt		3.0%
Mash	90 mins	158 F	Infusion	
	10 mins	168 F	Mash Out	
Hops	60 mins	1.4 oz	Columbus (Tomahawk) (15.4%)	31.1 IBU
Additions	10 min	6.0	Cinnamon Stick	
	10 min	0.5	Nutmeg	
	10 min	12.0	Allspice	
	10 min	10.0	Cloves, Ground	
	10 min	4.0	Orange Peel, Sweet	
	15 min	1.0	Whirfloc Tablet	
Yeast	3.0	Safale US-05		

Fermentation	Primary	10 days	68.0 F
	Cold Crash	2 days	32.0 F
	Bottle/Keg	1 days	74.0 F
Notes	<p>All spice berries added without crushing Cloves added without crushing Orange peels were grated. Just the peel, not the rine.</p> <p>Water was adjusted to balanced. Ca: 50 Mg: 10 Na: 18 Cl: 70 SO4: 70</p> <p>Added 150 ml molasses at 25 min.</p> <p>Possible Name: Winter Wood 1024 after 8 days</p>		