

## BLACK BUTTE PORTER CLONE

### EXTRACT:

6.25 lb. Golden Light Liquid Malt Extract  
1 lb. Bavarian Wheat Dry Malt Extract

### SPECIALTY GRAINS:

0.5 lb. Wheat Malt  
0.5 lb. Crystal 80L  
0.5 lb. Chocolate Malt (Briess)  
0.5 lb. Chocolate Malt (Crisp)

### HOPS:

0.5 oz. Galena 60 min  
0.5 oz. Tettnanger 10 min  
0.5 oz. Cascade 10 min

### YEAST:

Imperial - A09 Pub  
White Labs - WLP002 English Ale  
Wyeast - London ESB 1968  
(or) Dry Yeast - Fermentis Safale S-04

### OTHER:

4 oz. Corn Sugar (to carbonate at bottling time)  
1 tsp. Irish Moss (to clarify - optional - see step 7)

### INSTRUCTIONS:

1. Bring 2 ½ - 3 gallons of water to 160 - 170 degrees. Take pot off burner.
2. Steep (soak) specialty grains in bag for 30 - 40 min.
3. Rinse grains with 2 cups of 160 - 170 degree water and discard spent grains. (keep bag)
4. Pour malt extract into mixture. Stir until dissolved.
5. Return pot to heat and bring to boil. (DO NOT BOIL OVER)
6. Boil for 60 minutes, while adding the hops at the recipe intervals.
7. Add 1 tsp. of Irish Moss or ½ Whirlfloc tablet (optional for clarity) for the last 20 minutes of the boil.
8. Sanitize all equipment that the wort will come into contact with after the boil.
9. Put 1 gallon cold water into 6 - 6 1/2 gallon fermentation vessel.

10. Add contents of boil pot, fill to 5 gallon mark with cold water.

11. When wort has cooled to about 70 degrees pitch yeast and place lid on tight.

12. Install and fill airlock to the proper level with sanitizer or water. Store in area that will remain 65 - 70 degrees.

13. After fermentation has stopped (14 - 17 days) transfer to a bottling bucket, add corn sugar (4 oz.) dissolved in 1 cup water.

14. Fill leaving 1" to 1 1/4" space in neck of bottle and seal with caps.

15. Age beer for two - three weeks at 68 - 72 degrees, chill and enjoy.

### ALL GRAIN:

9.25 lb. Pale Malt  
1.25 lb. Wheat Malt  
0.5 lb. Crystal 80L  
0.5 lb. Chocolate Malt (Briess)  
0.5 lb. Chocolate Malt (Crisp)  
0.5 lb. Carapils

### HOPS:

0.5 oz. Galena 90 min  
0.5 oz. Tettnanger 10 min  
0.5 oz. Cascade 10 min

### YEAST:

Imperial - A09 Pub  
White Labs - WLP002 English Ale  
Wyeast - London ESB 1968  
(or) Dry Yeast - Fermentis Safale S-04

Mash at 153 degrees for 60 minutes. Estimated OG 1.058, FG 1.016.

Estimated IBU 27.3, Estimated SRM 29.6. Estimated ABV 5.6%

**Jon's Homebrew  
and Wine Supply**

1430 East Main Ave #1430-C, Puyallup WA • 253-286-7607