

## SPOTTED COW CLONE

**EXTRACT:**  
3.3 lb. Pilsner Liquid Malt Extract  
2 lb. Pilsner Dry Malt Extract  
1 lb. Bavarian Wheat Dry Malt Extract

**SPECIALTY GRAINS:**  
4.0 oz. Flaked Barley  
4.0 oz. Caramel 10L  
8.0 oz. Cara Pils

**HOPS:**  
1.0 oz. Saaz 60 min  
1.0 oz. Saaz 10 min

**YEAST:**  
White Labs – WLP029 German Ale/Kolsch  
Imperial - G03 Dieter  
(or) Dry Yeast – Lallemend Koln Kolsch

**OTHER:**  
4oz. 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 (about 2 ½ weeks) 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:**  
8.0 lb. Pilsner Malt  
1.0 lb. Flaked Barley  
1.0 lb. White Wheat Malt  
4.0 oz. Caramel 10L  
8.0 oz. Cara Pils

**HOPS:**  
1.0 oz. Saaz 60 min  
1.0 oz. Saaz 10 min

**YEAST:**  
White Labs – WLP029 German Ale/Kolsch  
Imperial - G03 Dieter  
(or) Dry Yeast – Lallemend Koln Kolsch

Mash at 154 degrees for 60 minutes. 90 Minute Boil recommended.  
Estimated OG 1.049, FG 1.013. Estimated IBU 17.0, Estimated SRM 3.8.  
Estimated ABV 4.8%

**Jon's Homebrew  
and Wine Supply**

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