#42: Breakup Ale (California Common)

CHRIS SWINGLEY (9-APR-2005)

Recipe (for 5 gallons final volume)

91/4 pounds (90%) Crisp Maris Otter Pale Malt

1 pound (10%) Crystal Malt, 60L

I ounce Willamette whole hops, 4.5% AA (first wort hop)

Northern Brewer whole hops, 7.5% AA (60 minutes)

ounce Willamette whole hops, 4.5% AA (1 minute)

I ounce Cascade whole hops, 4.5% AA (dry hopped in keg)

¹/₄ teaspoon Irish Moss (5 minutes)

White Labs wlp810, San Francisco Lager, pitched at 64°F

Starter: 2 quart starter (vial \rightarrow 2 quarts), continuously stirred, cooled, decanted, warmed

Aeration: Drill aerator for two minutes after pitching

Water

Fairbanks city water

• 37 1/4 quarts water treated with:

I Campden tablet. removes chlorine ion and chloramine, reduces oxidation

• 151/4 quarts mash water treated with:

11/4 teaspoons Gypsum. Adds 88 ppm Calcium, 212 ppm Sulfate

Mash

• 151/4 quarts water @ 162°F, grist ratio of 11/2 quarts:pound @ 153°F (Held 55 minutes)

Sparge

- 6½ quarts water @ 210°F, drain
- 151/2 quarts water @ 168°F, drain

Boil

• Boiled 8.0 gallons for 90 minutes to yield 5½ gallons wort

Fermentation

- Primary: glass, 7 days, 62°F. Temperature range 58–63°F.
- Secondary: glass, 10 days, 60°F. 1.018 at transfer, tastes great.

Packaging

- Kegged with 79 grams dextrose
- Conditioned for 4 weeks
- Ready to drink on 21-May-2005

Properties

Starting Gravity: 1.053 Final Gravity: 1.017
Original Extract: 13.1°Plato Apparent Extract: 4.3°Plato

Real Extract: 5.963514719000893°Plato

Alcohol: 4.7% by volume Alcohol: 3.7% by weight

Apparent Attenuation: 67.0% Mash Efficiency: 77%

Bitterness: 38 IBU Color: 10°SRM

BU:SG: 0.7169811320754725 BV: 1.3062766450763637

Tasting Notes

• 27-Aug-2005 (18 weeks) – Good beer, not great. Hop flavors are a bit harsh and not very crisp.