#49: Duesenberg Winter Ale (Winter Ale)

CHRIS SWINGLEY (29-OCT-2005)

Named for our first sled dog, Duesenberg. Duesenberg's littermates are all named after luxury cars, with Duesenberg being the coolest and most obscure. Duesenberg was a U.S. luxury automobile manufacturer from 1913 to 1937.

Recipe (for 5 gallons final volume)

Crisp Maris Otter Pale Malt 11 pounds (90%) 12 ounces (6%)Briess Special Roast ounces (4%) Briess Munich Malt 10L U.S. Hallertauer whole hops, 4.3% AA (first wort hop) 1 ounce Chinook pellet hops, 12.2% AA (60 minutes) 3/4 ounce 1 ounce Cascade whole hops, 4.5% AA (10 minutes) White Spruce new growth, lightly crushed (10 minutes) 2 ounces

4 grams Grains of Paradise, ground (10 minutes)

White Labs wlpoi7 Whitbread Ale Yeast, pitched at 70°F

Starter: 3 quart starter (vial → 3 quarts), continuously stirred, cooled, decanted, warmed

Aeration: Drill aerator for three minutes after pitching

Water

- Fairbanks city water
- 38 1/4 quarts water treated with:
 - I Campden tablet. removes chlorine ion and chloramine, reduces oxidation
- 181/4 quarts mash water treated with:
 - 1½ teaspoons Gypsum. Adds 88 ppm Calcium, 212 ppm Sulfate

Mash

• 181/4 quarts water @ 166°F, grist ratio of 11/2 quarts:pound @ 154°F (Held 60 minutes). 151°F at the end of the mash.

Sparge

- 5½ quarts water @ 205°F, drain
- 14¹/₂ quarts water @ 168°F, drain

Boil

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

Fermentation

- Primary: bucket, 7 days, 66°F. Temperature range 70–66°F. 1.023 at transfer to secondary
- Secondary: keg, 7 days, 66°F

Packaging

- Kegged at 8 psi, 50°F (1.8 volumes CO₂)
- Conditioned for 6 weeks
- Ready to drink on 24-Dec-2005

Properties

Starting Gravity: 1.059 Final Gravity: I.024 Original Extract: 14.5°Plato Apparent Extract: 6.1°Plato Real Extract: 7.7°Plato 3.6% by weight Alcohol: 4.6% by volume Alcohol: Mash Efficiency: Apparent Attenuation: 58.2% 71% Bitterness: 35 IBU Color: 10°SRM BU:SG: 0.59 BV: 0.94

Tasting Notes

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