



NORTHERN BREWER

O.G.	ABV	IBU	BREW TIME: 6 WEEKS
1.074	7.4%	38	Primary: 2 Weeks
			Secondary: 2 Weeks
			Bottle Conditioning: 2 Weeks

JANET'S BROWN ALE

Janet's Brown Ale has quite the pedigree. Mike "Tasty" McDole took home a medal when this recipe won gold in the Brown Ale category in the National Homebrew Competition (NHC) in 2004. The award-winning recipe was then featured in Jamil Zainasheff and John Palmer's book, *Brewing Classic Styles*, as an example of a bigger, hoppier American Brown Ale. In 2009, McDole took gold again at the NHC with an updated recipe that he categorized as Imperial Brown Ale, but this time in the Specialty Beers category. Though Janet's Brown Ale deviates a bit from the style guidelines for a traditional American Brown Ale, surely you will not be upset by the higher IBUs and ABV after taking a sip!

KIT INVENTORY

GRAIN BILL

- 11.8 lbs Rahr 2-Row Malt
- 1.3 lbs Briess Carapils
- 1 lb Briess Caramel 40L
- 0.8 lbs Rahr White Wheat
- 0.4 lbs Briess Chocolate Malt

PREMIUM HOPS & OTHER

ADDITIONS

- 1.25 oz N. Brewer **Mash**
- 1.25 oz N. Brewer **60 min**
- 0.75 oz N. Brewer **15 min**
- 1.25 oz Cascade **10 min**
- 1.75 oz Cascade **0 min**
- 1 lb Corn Sugar **0 min**
- 1.75 oz Centennial **Dry hop**

SUGGESTED YEAST

YEAST

- DRY YEAST:
Lallemand LalBrew BRY-97
Optimum Temp: 59°- 72°F
- LIQUID YEAST OPTION:
Omega Yeast OYL-004 West Coast Ale I
Optimum temp: 60°- 73°F
- Imperial Yeast A07 Flagship**
Optimum temp: 60°- 72°F

BEFORE BREW DAY

- Upon arrival, unpack kit.
- Read all instructions before starting.
- Be sure you have all items listed in the Kit Inventory.
- Refrigerate liquid yeast.
- If making a yeast starter, we suggest 24-48 hrs.
- Contact us if you have any questions or concerns.

YOU WILL NEED

- Homebrewing equipment for brewing 5 gallon batches.
- All-grain equipment kit with mash tun and hot liquor tank
- Boiling kettle (at least 8 gallon capacity).
- Approx. 2 cases of 12 oz or 22 oz pry-off beer bottles.
- Scale capable of measuring fractions of an ounce*.
- **Optional** - 5 gallon carboy, with bung and airlock, to use as secondary fermentor.

**This kit requires a scale to accurately reproduce the original recipe published by the AHA.*

A FEW HOURS BEFORE BREW DAY

Remove liquid yeast package from the refrigerator. Leave in warm place (~70°F). Check yeast instructions on packet.

BREWING NOTES

KEY STATS

Brew Day Date: _____

Secondary: _____

Important Additions: _____

Bottling/Kegging: _____

Fermentation Temp: _____

Yeast Strain #: _____

Measured OG: _____ FG: _____

MASH SCHEDULE

SINGLE INFUSION

If you are new to all-grain, we suggest starting with 1.5 quarts of water per pound of grain for strike water volume. This mash thickness can be adjusted for future brews as you become more comfortable with your equipment.

Add 1.25 oz Northern Brewer hops directly to the mash.

Saccharification Rest: 154° F for 60 minutes

Mashout: 170° F for 15 minutes (optional)

To raise the temp for mashout, gently apply direct heat while stirring well (if using a kettle), or add near boiling water until target temp is reached.

Prepare sparge water in hot liquor tank at 1 quart per pound of grain. Perform a fly sparge until you reach pre-boil volume (6.5-7 gallons) in your kettle. Sparge should take about an hour for optimal extraction efficiency. You should end with extra sparge water in hot liquor tank. Use this hot water to clean later on.

BOIL ADDITIONS & TIMES

Total time: 60 mins

- | | |
|----------------------------------|---------------------------|
| - 1.25 oz Northern Brewer 60 min | - 1.75 oz Cascade 0 min |
| - 0.75 oz Northern Brewer 15 min | - 0.5 lb Corn Sugar 0 min |
| - 1.25 oz Cascade 10 min | |

PRIMARY FERMENTATION

- 10. Within 48 hours Active fermentation begins.**
You'll see a cap of foam on the surface of the beer. Specific gravity as measured with a hydrometer will drop steadily. You may see bubbles in the fermentation lock. The optimum temp. for this beer is 60°- 68°F.
- 11. Within 2-3 weeks Active fermentation ends.**
Proceed to next step when:
 - Cap of foam falls back into the beer.
 - Bubbling in airlock slows down or stops.
 - Specific gravity as measured with a hydrometer is stable.

SECONDARY FERMENTATION (OPTIONAL)

- NOTE:** You may skip secondary fermentation and simply add 2 weeks to primary fermentation before bottling.
- Sanitize siphoning equipment, airlock, carboy bung or stopper. Siphon beer from primary fermenter into secondary. Add **1.75 oz Centennial hops** directly to the new beer.
 - Allow beer to condition in secondary fermenter for 2 weeks before proceeding with the next step. Timing is now somewhat flexible.

AFTER THE BOIL

- When 60 minute boil is finished, remove from heat.
- Cool wort to 60°-68°F ASAP.
- Sanitize fermenting equipment and yeast pack: While wort cools, sanitize fermenting equipment (fermenter, lid or stopper, airlock, funnel, etc) along with yeast pack.
- Transfer cooled wort into primary fermentation vessel using valve on boil kettle, siphoning from boil kettle, OR pouring wort into fermenter.
- Aerate wort. Seal fermenter and rock back and forth to splash for a few minutes, or use an aeration system and diffusion stone.
- Measure specific gravity of wort with a hydrometer. Record. Target gravity for this kit is 1.074.
- Add yeast once temp of wort is between 60°-68°F. Sanitize and open yeast pack. Carefully pour contents into primary fermenter.
- Seal fermenter. Add 1 tbsp of sanitizer or clean water to sanitized airlock. Insert airlock into rubber stopper or bucket lid. Seal fermenter.
- Move fermenter to a warm, dark, quiet spot until fermentation begins.

BOTTLING DAY (ABOUT 4 WEEKS AFTER BREWING DAY)

- Sanitize siphoning and bottling equipment.
- Mix a priming solution (sugar dissolved in water; carbonates bottled beer). Use the following amounts, depending on which type of sugar you use:
 - Corn sugar (dextrose) 2/3 cup in 16oz water.
 - Table sugar (sucrose) 5/8 cup in 16oz water.Bring solution to a boil. Pour into bottling bucket.
- Siphon beer into bottling bucket and mix with priming solution. Stir gently to mix - *do not splash*.
- Fill and cap bottles.

CONDITIONING (ABOUT 6 WEEKS AFTER BREWING DAY)

- Condition bottles at room temp. for 1-2 weeks. After this point, store bottles cool or cold.
- Serving: Pour into a clean glass. Be careful to leave any sediment at the bottom of the bottle. Cheers!

WE'VE GOT YOUR BATCH

We're so confident in the quality of our beer kits, we'll replace any kit, anytime, no questions asked.

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