

# 10 BARREL BREWING APOCALYPSE IPA

Official NORTHERN BREWER Instructional Document

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**O.G: 1.061 READY: 6 WEEKS**

2 weeks primary, 1-2 weeks secondary,  
1-2 weeks bottle conditioning

## KIT INVENTORY:

### MAILLARD MALTS™ SPECIALTY GRAIN

- 0.63 lbs Briess Carapils
- 0.31 lbs Briess Caramel 40L

### MAILLARD MALTS™ EXTRACTS & OTHER FERMENTABLES

- 3 lbs Golden Light DME (60 min addition)
- 3 lbs Golden Light DME (15 min late addition)
- 10 oz Corn Sugar (15 min late addition)

### HOPTIMUS REX™ PREMIUM HOPS & OTHER FLAVORINGS

- 0.75 oz Columbus (60 min)
- 0.33 oz Northern Brewer (30 min)
- 0.33 oz Nugget (30 min)
- 0.75 oz Cascade (0 min)
- 0.75 oz Chinook (0 min)
- 1 oz Cascade (add during chilling)
- 1 oz Centennial (add during chilling)
- 1 oz Cascade (add once chilled and allow to steep 15 mins)

## YEAST

- **DRY YEAST (DEFAULT):** Safale US-05 Ale Yeast. Optimum temp: 59-75° F.
- **LIQUID YEAST OPTION:** Omega Yeast Labs OYL-009 West Coast Ale II. Optimum temp: 60°-72°F. **-OR-** Wyeast 1272 American Ale II. Optimum temp: 60°-72°F.

## PRIMING SUGAR

- 5 oz Priming Sugar (save for Bottling Day)

## BEFORE YOU BEGIN ...

### MINIMUM REQUIREMENTS

- Homebrewing starter kit for brewing 5 gallon batches
- Boiling kettle of at least 3.5 gallons capacity
- A 5 gallon carboy, with bung and airlock, to use as a secondary fermenter - If you do not have a secondary fermenter you may skip the secondary fermentation and add additional time to primary fermentation.
- Approximately two cases of either 12 oz or 22 oz pry-off style beer bottles

## UNPACK THE KIT

- Refrigerate the yeast upon arrival
- Locate the Kit Inventory (above) - this is the recipe for your beer, so keep it handy
- Doublecheck the box contents vs. the Kit Inventory
- Contact us immediately if you have any questions or concerns!

## PROCEDURE

### A FEW DAYS BEFORE BREWING DAY

1. Remove the liquid yeast pack from the refrigerator. If you are using Wyeast, "smack" as shown on the back of the yeast package. Leave it in a warm place (70-80° F) to incubate until the pack begins to inflate. Allow at least 3 hours for inflation; some packs may take up to several days to show inflation. Do not brew with inactive yeast - we can replace the yeast, but not a batch that fails to ferment properly. If you are using dry yeast, no action is needed.

### ON BREWING DAY

2. Collect and heat 2.5 gallons of water.
3. Pour crushed grain into supplied mesh bag and tie the open end in a knot. Steep for 20 minutes or until water reaches 170°F. Remove bag and discard.
4. Bring to a boil and add 3 lbs Golden Light DME. Remove the kettle from the burner and stir in the Golden Light DME.
5. Return wort to boil. The mixture is now called "wort", the brewer's term for unfermented beer.
  - Add 0.75 oz Columbus hops (1/4 of the packet) and boil for 60 minutes.
  - Add 0.33 oz Northern Brewer and 0.33 oz Nugget hops (1/3 of each packet) with 30 minutes left in the boil.
  - Add the remaining 3 lbs Golden Light DME and 10 oz Corn Sugar (two 5 oz packets) with 15 minutes left in the boil.
  - Add 0.75 oz Cascade and 0.75 oz Chinook hops (1/4 of each packet) with 0 minutes left in the boil.

6. Cool the wort and add hops. When the 60-minute boil is finished, begin chilling the wort and add 1 oz Cascade and 1 oz Centennial hops. Use a wort chiller, or put the kettle in an ice bath in your sink.

7. Once the wort is cooled to around 100° F, add 1 oz Cascade hops and allow to steep for 15 minutes.

8. Sanitize fermenting equipment and yeast pack. While the hops steep, sanitize the fermenting equipment - fermenter, lid or stopper, fermentation lock, funnel, etc - along with the yeast pack and a pair of scissors.

9. Fill primary fermenter with 2 gallons of cold water, then pour in the cooled wort. Leave any thick sludge in the bottom of the kettle.

10. Add more cold water as needed to bring the volume to 5 gallons.

11. Aerate the wort. Seal the fermenter and rock back and forth to splash for a few minutes, or use an aeration system and diffusion stone.

12. **OPTIONAL:** if you have our Mad Brewer Upgrade or Gravity Testing kits, measure specific gravity of the wort with a hydrometer and record.

13. Add yeast once the temperature of the wort is 72°F or lower (not warm to the touch). Use the sanitized scissors to cut off a corner of the yeast pack, and carefully pour the yeast into the primary fermenter.

14. Seal the fermenter. Add approximately 1 tablespoon of water to the sanitized fermentation lock. Insert the lock into rubber stopper or lid, and seal the fermenter.

15. Move the fermenter to a warm, dark, quiet spot until fermentation begins.

### BEYOND BREWING DAY, WEEKS 1-2

16. Active fermentation begins. Within approximately 48 hours of Brewing Day, active fermentation will begin - there will be a cap of foam on the surface of the beer, and you may see bubbles come through the fermentation lock.

17. Active fermentation ends. Approximately 1-2 weeks after brewing day, active fermentation will end: the cap of foam falls back into the new beer, bubbling in the fermentation lock slows down or stops.

18. Optional - Transfer beer to secondary fermenter. Sanitize siphoning equipment and an airlock and carboy bung or stopper. Siphon the beer from the primary fermenter into the secondary. If you do not have a secondary fermenter, simply leave the beer in the primary fermenter.

### BEYOND BREWING DAY- SECONDARY FERMENTATION

19. Secondary fermentation (optional, see "Minimum Requirements" section and step 18). Allow the beer to condition in the secondary fermenter for 1-2 weeks before proceeding with the next step. Timing now is somewhat flexible.

### BOTTLING DAY-ABOUT 1 MONTH AFTER BREWING DAY

20. Sanitize siphoning and bottling equipment.

21. Mix a priming solution (a measured amount of sugar dissolved in water to carbonate the bottled beer) of 2/3 cup priming sugar in 16 oz water. Bring the solution to a boil and pour into the bottling bucket.

22. Siphon beer into bottling bucket and mix with priming solution. Stir gently to mix, don't splash.

23. Fill and cap bottles.

### 1-2 WEEKS AFTER BOTTLING DAY

24. Condition bottles at room temperature for 1-2 weeks. After this point, the bottles can be stored cool or cold.

25. Serving. Pour into a clean glass, being careful to leave the layer of sediment at the bottom of the bottle. Cheers!