

# THE GOLDEN DRAGON

Official NORTHERN BREWER Instructional Document

A beguiling complex of dried fruit, toast, butter caramel, spice, and ethanol wafts out of the glass and fills your mouth, leading up to a long rich finish. If you're going to ride this dragon, make sure you prepare a big yeast starter, aerate well, and let it attenuate fully in a long primary; Heyward also strongly recommends cold conditioning during the secondary for maximum smoothness and repitching with Safale T-58 (#Y012) at bottling. It looks innocuous, it tastes smooth, but it can breathe fire ...

**O.G.: 1.092 READY: 2-3 MONTHS OR MORE**

2-4 weeks primary, 2 months secondary, 1-2 weeks bottle conditioning

## KIT INVENTORY:

### MAILLARD MALTS™ SPECIALTY GRAIN

- 0.25 lbs Belgian Special B
- 0.75 lbs Belgian Aromatic

### MAILLARD MALTS™ EXTRACTS & OTHER FERMENTABLES

- 6 lbs Pilsen malt syrup (60 min)
- 3.15 lbs Pilsen malt syrup late addition (15 min)
- 1 lb Soft Brown Candi Sugar late addition (0 min)
- 1 lb Corn Sugar late addition (0 min)

### HOPTIMUS REX™ PREMIUM HOPS & OTHER FLAVORINGS

- 1 oz Sterling (60 min)
- 0.5 oz Saaz (30 min)
- 0.5 oz Saaz (5 min)

### SPECIAL INGREDIENTS

- 1 lb Dark Candi Syrup add to fermenter at high kraeusen.

### YEAST

- **WYEAST 3739 FLANDERS GOLDEN ALE.** Apparent attenuation: 74-78%. Flocculation: medium-low. Optimum temp: 64°-80° F.

## 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 an additional week to primary fermentation before bottling
- Approximately two cases of either 12 ounce or 22 ounce 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 Wyeast pack from the refrigerator, and "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.

2. Prepare a yeast starter. Follow the Yeast Starter Kit instructions. Allow the starter to incubate for at least one day.

### ON BREWING DAY

3. Collect and heat 2.5 gallons of water.

4. For mail-order customers grains for extract kits come crushed by default, but if you requested uncrushed grains, crush them now. 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.

5. Bring to a boil and add 6 lbs Pilsen malt syrup. Remove the kettle from the burner and stir in the Pilsen malt syrup.

6. Return wort to boil. The mixture is now called "wort", the brewer's term for unfermented beer.

- Add 1 oz Sterling hops, and boil for 60 minutes.
- Add 0.5 oz Saaz hops 30 minutes before the end of the boil.
- Add 3.15 lbs Pilsen malt syrup 15 minutes before the end of the boil.
- Add 0.5 oz Saaz hops 5 minutes before the end of the boil.
- Add 1 lb Brown Soft Candi Sugar and 1 lb Corn Sugar at end of boil.

7. Cool the wort. When the 60-minute boil is finished, cool the wort to approximately 100° F as rapidly as possible. Use a wort chiller, or put the kettle in an ice bath in your sink.

8. Sanitize fermenting equipment and yeast pack. While the wort cools, 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. Measure specific gravity of the wort with a hydrometer and record.

13. Add yeast once the temperature of the wort is 78°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 2-4

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, the specific gravity as measured with a hydrometer will drop steadily, and you may see bubbles come through the fermentation lock. The optimum fermentation temperature for this beer is 64-80° F - move the fermenter to a warmer or cooler spot as needed.

17. Add additional fermentables at high kraeusen. When the foam on top of the beer is a thick and tall layer, add 1 lb Dark Candi Syrup.

18. Active fermentation ends. Approximately two weeks to four weeks after brewing day, active fermentation will end. When the cap of foam falls back into the new beer, bubbling in the fermentation lock slows down or stops, and the specific gravity as measured with a hydrometer is stable, proceed to the next step.

19. 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.

### BEYOND BREWING DAY- SECONDARY FERMENTATION

20. Secondary fermentation. Allow the beer to condition in the secondary fermenter for 4-5 weeks before proceeding with the next step.

### BOTTLING DAY, 6-7 WEEKS AFTER BREWING DAY

21. Sanitize siphoning and bottling equipment.

22. Mix a priming solution (a measured amount of sugar dissolved in water to carbonate the bottled beer). Use the following amounts, depending on which type of sugar you will use:

- Corn sugar (dextrose)  $\frac{2}{3}$  cup in 16 oz water.
- Table sugar (sucrose)  $\frac{5}{8}$  cup in 16 oz water.

Then bring the solution to a boil and pour into the bottling bucket.

- **NOTE:** If you wish to achieve a level of carbonation similar to commercial versions of Belgian ales, use an additional 1 to 2 oz. sugar in the priming solution.

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

24. Fill and cap bottles.

### 1-2 WEEKS AFTER BOTTLING DAY

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

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