



HopNog 2017 New England Style IPA

Pale gold in color with a slight haze, our NEIPA explodes with juicy tropical and candy-like notes courtesy of Lemondrop™ and El Dorado® hops. Bitterness is slightly restrained in favor of more delicious hop flavor and aroma.

IBUs: 53 - 57	OG: 1.051 - 1.057	FG: 1.013 - 1.017
ABV: 5.25% - 5.7%	Difficulty: Advanced	Color: Hazy Pale Gold

Contents

- Ingredients
 - Grain Bag(s)
 - Priming Sugar
 - Bottle Caps
 - Brewing Procedures
- Hops may vary due to availability.

Glossary

OG Original Gravity	DME Dried Malt Extract
SG Specific Gravity	LME Liquid Malt Extract
FG Final Gravity	IBU International Bittering Units (<i>Tinseth</i>)
CO2 Carbon Dioxide	ABV Alcohol by Volume

Ingredients

- FERMENTABLES**
6.6 lb. Pilsen LME
8 oz. Corn Sugar
- SPECIALTY GRAINS**
8 oz. Oats
6 oz. 2-Row Pale
- HOPS**
2 - 2 oz. packs Lemondrop™
2 - 2 oz. packs El Dorado®
- YEAST**
1 Sachet

Recommended Procedures

NOTE: This recipe incorporates late malt additions to ensure the lightest color possible for this beer style. Refer to BREW DAY SCHEDULE.

BREW DAY (DATE ___ / ___ / ___)

1. READ

Read all of the recommended procedures before you begin.

2. SANITIZE

Thoroughly clean and sanitize ALL brewing equipment and utensils that will come in contact with any ingredients, wort or beer with a certified sanitizer, e.g., Star San or IO Star.

3. STEEP GRAINS - see "Steep to Convert" insert

4. START BOIL

Bring your wort to a gentle, rolling boil. Add **one can of 3.3 lb. Pilsen LME and Corn Sugar** to the boiling wort⁴. Continuously stir the extract into the wort as it returns to a gentle, rolling boil⁵.

5. FOLLOW SCHEDULE⁶

As directed on the BREW DAY SCHEDULE (right), slowly sprinkle the hops into the boiling wort. Be careful not to let the wort boil over the pot. Using the provided BREW DAY SCHEDULE, note the time the hops were added to help keep your brew on schedule. Continue the gentle, rolling boil until the boil is complete.

6. WHIRLPOOL HOP ADDITION

Cool the wort down to 180°F. Add one 2 oz. pack of Lemondrop™ Hops and last 2 oz. pack of El Dorado® Hops. Allow hops to steep at 180°F for 20 minutes, gently stirring occasionally. After 20 minutes continue on to step 7.



Recommended Brew Day Equipment

- 4 Gallon Brew Pot (or larger)
- 6.5 Gallon Fermenter
- Airlock
- Long Spoon or Paddle
- Hydrometer
- Thermometer
- No-Rinse Sanitizer
- Cleanser

Brew Tips

- ¹We suggest doing a 2.5 gallon boil at minimum. If you have the equipment to boil more than 2.5 gallons feel free to do so. There is no need to change the amount of any of the ingredients.
- ²The grains should not be compacted inside the bag. Grains should steep loosely allowing the hot water to soak into all of the grain evenly.
- ³Pay careful attention not to let your steeping water exceed 170°F which leeches tannins into the wort.
- ⁴Run canisters of LME under hot water to allow the extract to pour easier.
- ⁵Pay careful attention that the extract does not accumulate and caramelize on the bottom of your brew pot.
- ⁶When consumed, hops can cause malignant hyperthermia in dogs, sometimes with fatal results. Even small amounts, including "spent" hops from brewing, can trigger a deadly reaction.

BREW DAY SCHEDULE

1. Add one 2 oz. El Dorado® hops _____ : _____ (time)
2. Boil 50 minutes
3. **Add last 3.3 lb. can of Pilsen LME** _____ : _____ (time)
4. Boil final 10 minutes
5. Terminate boil _____ : _____ (time)

Total Boil Time: 60 Minutes

Continue to Step #6

~WHIRLPOOL HOP ADDITION~

Recommended Procedures (continued)

7. COOL WORT & TRANSFER

Finish cooling the wort down to approximately 70°F by placing the brew pot in a sink filled with ice water⁷. Pour or siphon the wort into a sanitized fermenter. Avoid transferring the heavy sediment (trub) from the brew pot to the fermenter.

8. ADD WATER

Add enough clean water (approx. 64° - 72°F) to the fermenter to bring your wort to approximately 5 gallons. Thoroughly stir the water into the wort. Be careful not to add a volume of water that will cause the wort to fall outside of the OG range specified in the BREW STATS⁸. Once you are satisfied your wort is at the proper volume and within the OG range, record the OG in the ABV% CALCULATOR (right).

9. PITCH YEAST

Sprinkle the contents of the yeast sachet (DO NOT REHYDRATE) over top of the entire wort surface and stir well with sanitized spoon or paddle. Firmly secure the lid onto the fermenter. Fill your airlock halfway with water and gently twist the airlock into the grommets lid. Move the fermenter to a dark, warm, temperature-stable area (approx. 64° - 72°F).

FERMENTATION

10. MONITOR & RECORD

The wort will begin to ferment within 24 hours and you will notice CO2 releasing (bubbling) out of the airlock. Within 4 - 6 days the bubbling will slow down until you see no more CO2 being released. When fermentation is complete (no bubbles for 48 hours) take a FG reading with a sanitized hydrometer and record it in your ABV% CALCULATOR.⁹

DRY HOPPING

11. ADD DRY HOPS

Add last 2 oz. pack of Lemondrop™ hops 5-7 days **after** you rack the beer into your secondary fermenter¹⁰. After a few days the hops will fall to the bottom of the fermenter and the beer can be carefully siphoned off on bottling day. If you opt not to do a secondary fermentation, or don't have the additional equipment, add the hops to your primary fermenter after fermentation has completed and leave for 5-7 days before bottling.

BOTTLING DAY (DATE ___ / ___ / ___)

12. READ

Read all of the recommended procedures before you begin.

13. SANITIZE

Thoroughly clean and sanitize ALL brewing equipment, utensils, and bottles that will come in contact with any ingredients, wort or beer with a certified sanitizer, e.g., Star San or IO Star.

14. PREPARE PRIMING SUGAR

In a small saucepan dissolve 4.5 oz. of priming sugar into 2 cups of boiling water for 5 minutes. Pour this mixture into a clean bottling bucket. Carefully siphon beer from the fermenter to a bottling bucket. Avoid transferring any sediment. Stir gently for about a minute. **1 oz. of priming sugar is equal to 2.5 tablespoons.**

15. BOTTLE

Using your siphon setup and bottling wand, fill the bottles¹¹ to within approximately one inch of the top of the bottle. Use a bottle capper to apply sanitized crown caps.

16. BOTTLE CONDITION

Move the bottles to a dark, warm, temperature-stable area (approx. 64° - 72°F). Over the next two weeks the bottles will naturally carbonate. Carbonation times vary depending on the temperature and beer style, so be patient if it takes a week or so longer.

Brew Tips

⁷To avoid bacteria growth do this as rapidly as possible. Do not add ice directly to the wort. Alternatively, you can use a brewing accessory like a Wort Chiller.

⁸Use a sanitized hydrometer while adding water to monitor the SG.

⁹Consider transferring your beer to a secondary carboy, see "Two-Stage (Secondary) Fermentation" sidebar below.

¹⁰Optionally, you can place the hops in a mesh bag attached to a string. This will allow you to easily remove the hops before siphoning the beer into your bottling bucket.

¹¹Use standard crown bottles, preferably amber color. Make sure bottles are thoroughly clean. Use a bottle brush if necessary to remove stubborn deposits. Bottles should be sanitized prior to filling.

Two-Stage (Secondary) Fermentation

Brewer's Best® recommends home brewers employ the practice of a two-stage fermentation. This will allow your finished beer to have more clarity and an overall better, purer flavor. All you need is a 5-gallon carboy, drilled stopper, airlock and siphon setup to transfer the beer. You will also need to monitor and record the SG with your hydrometer when the beer is in the 'primary'. When the fermentation slows (5-7 days), **but before it completes**, simply transfer the beer into the carboy and allow fermentation to finish in the 'secondary'. Leave the beer for about two weeks and then proceed to Bottling Day. Consult your local retailer to learn more about this technique.

(SECONDARY RACK DATE ___ / ___ / ___)

Recommended Bottling Day Equipment

- 6.5 Gallon Bottling Bucket
- Bottle Brush
- Siphon Setup
- Capper
- Bottle Filling Wand
- Sanitizer
- 12 oz. Bottles (approx. 53)
- Brewer's Best® Crown Caps

ABV% Calculator

(OG - FG) x 131.25 = ABV%

(____ * - ____ **) x 131.25 = ____ %

*OG from Step #8

**FG from Step #10



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