



May all your fermentations be Great Fermentations!

Big Little Guy Session IPA – A hoppy session IPA that you can drink all day!

Inspired by a famed Michigan brewery's smooth session IPA, Big Little Guy has all the hop flavor of a big IPA, with the low alcohol and smoothness of a session beer. With a short 20 minute boil and loads of pine and citrus notes from Amarillo, Simcoe and Crystal hops, this beer is a breeze to make!

BEER SPECS

Original Gravity: 1.042–1.046

Final Gravity: 1.009–1.013

IBU: 30-35

ABV%: 3.8% - 4.9%

Yield: 5 Gallons

NOT INCLUDED IN KIT

Irish Moss (*for clarity, optional*)

Yeast

Bottle Caps (*53 caps needed*)

Priming Sugar (*5oz or 3/4 cup*)

USEFUL INFORMATION

Wort = unfermented beer

Rack = to transfer from one vessel to another

Pitch = to add yeast to the fermenter

OG = Original Gravity: Specific Gravity Before Fermentation

FG = Final Gravity: Specific Gravity After Fermentation

ABV = Alcohol by Volume

ABW = Alcohol by Weight

IBU = International Bittering Units

Alcohol by Volume Equation:

$\%ABW = (OG-FG) \times 105$

$\%ABV = ABW \times 1.25$

RECIPE DETAILS

5.0 lbs. Light dried malt extract

0.75 lb. Pale malt, crushed

0.50 lb. Crystal 20L malt, crushed

0.50 lb. Crystal 60L malt, crushed

0.50 lb. Dark wheat malt, crushed

0.25 lb. Flaked oats

FERMENTABLES

SPECIALTY GRAINS

20 Minute Boil

1.0 tsp. Irish moss (*optional*), added at the beginning of the 20 minute boil

0.50 oz. Amarillo hops, added 15 min from the end of the boil

0.50 oz. Simcoe hops, added 15 min from the end of the boil

1.00 oz. Amarillo hops, added at the end of the boil while whirlpooling, steep 10 minutes

1.00 oz. Crystal hops, added at the end of the boil while whirlpooling, steep 10 minutes

1.00 oz. Amarillo hops, added as a dry hop

1.00 oz. Simcoe hops, added as a dry hop

BOIL SCHEDULE

YEAST SUGGESTIONS: Wyeast #1056 American Ale, White Labs WLP001 California Ale, Safale-05 Dry Yeast

EQUIPMENT

REQUIRED EQUIPMENT

- 3 gal or larger Brew Pot
- 6.5 gal Primary Fermenter
- Siphon Hose/Racking Cane
- Large Spoon or Paddle
- Air Lock
- Hydrometer
- Thermometer
- Cleanser
- Sanitizer
- Bottles or Kegging System

RECOMMENDED EQUIPMENT

- 7.5 gal Brew Pot
- Wort Chiller
- 5 gal Secondary Fermenter
- Thief
- Oxygen Cylinder
- Aeration Stone
- Auto Siphon



Brewing Instructions: Big Little Guy

PRIOR TO BREWING

1. **Clean and Sanitize** all equipment, tubing, etc.
2. If using Wyeast liquid yeast, remove package from fridge and 'smack' the pack to release the nutrients. Allow pack to swell for 4-8 hours at room temperature.

BREWING DAY

1. Fill kettle with water and heat to 160F.
 - Partial boil method: fill kettle with as much water as possible while leaving room for grains, malt extract, and boil volume.
 - Full boil method: fill kettle to approximately 6 to 6.5 gal water for a volume of 5 gal post-boil. (Because of the short boil time, you may choose to use less water than usual)
2. Rehydrate Irish moss in 1/2 cup warm water. Set aside (*optional, for clarity*).
3. Turn off burner (remove kettle from heating element if using an electric stove). Place crushed specialty grains in a muslin bag and soak in **150-155F water for 30 minutes**. Remove bag, and allow remaining water in grains to drain into kettle. Do not squeeze the grains.
4. While stirring, add malt extracts until fully dissolved.
5. Turn the heat on and bring wort to a boil. **WATCH OUT!** Just before the boil, the wort rapidly rises.
6. Follow **Boil Schedule** on opposite page under 'Recipe Details'
7. At end of boil, whirlpool and add the two whirlpool hops. Allow to steep for 10 minutes, then chill wort as quickly as possible to **60-70F** with a wort chiller or an ice bath. Place lid on kettle while chilling.
8. Siphon or pour cooled wort into fermenter leaving as much sediment behind as possible:
 - Partial Boil: Add sterile water (packaged drinking water) to fermenter to reach 5.25 gal
 - Full Boil: Siphon entire volume of wort into fermenter.
9. **Aerate wort** well by stirring, shaking or oxygenating.
10. Sanitize yeast package and use sanitized scissors to open package. Pitch yeast and attach airlock. If using a yeast starter, pitch entire contents of yeast starter into wort.
11. Move fermenter to a dark place with a steady temperature of **64-72F**.

FERMENTATION

1. Primary Fermentation: Allow beer to ferment for 5-7 days, then proceed to STEP 2 or 3.
2. Secondary Fermentation (*optional*): Transfer beer to a 5 gal carboy, leaving behind the sediment, then proceed to STEP 3.
3. Add **1 oz Amarillo hops** and **1 oz Simcoe hops** to fermenter in small muslin hop bag and allow 3 days contact time.
4. Check gravity prior to proceeding with bottling to ensure fermentation is complete. (Reference *Final Gravity* under 'Recipe Details')

BOTTLING

1. Ensure there is no bubbling in the airlock, and that your beer has reached final gravity.
2. **Clean and sanitize** all bottles, caps, bottling equipment and bottling bucket.
3. Dissolve **3/4 cup (5 oz) priming sugar** in 2 cups boiling water. Boil for 5 min then chill to 70-80F and add to bottling bucket.
4. Siphon beer from fermenter into bottling bucket, being careful not to rouse up sediment on bottom of fermenter.
5. Stir thoroughly but gently to avoid introducing oxygen.
6. Using the bottle filler, fill bottles and cap them.
7. Store bottles at room temperature for **2 weeks** or until carbonated.

TIPS FOR SUCCESS

1. Clean AND Sanitize!
2. Avoid using softened water or Reverse Osmosis water.
3. Make sure the specialty grains are loose inside the muslin bag to ensure water reaches the entire amount.
4. Tie muslin bag to handle of kettle to prevent potential scorching on bottom of kettle.
5. Be sure not to exceed 155F while steeping grains to avoid unwanted flavors.
6. Turn off heat source and stir well while adding malt extract to avoid scorching on the bottom of the kettle.
7. Keep a spray bottle of water at hand to spray top of wort if it nears a boil over.
8. While racking, be sure not to introduce oxygen into your beer by splashing or shaking.
9. Maintain a constant temperature during fermentation.
10. Visit www.greatfermentations.com for more brewing tips and tricks.

