



Hop Kiss With a Fist White IPA



Have you ever had that unexplained twitchiness that begins with goose bumps on the back of your neck and then works its way like freaky fingers beneath your hair and along your scalp and tickles your brain around the outermost periphery of your cerebral cortex until you're sure that the top of your head is going to explode with delight? If you've nodded yes to any part of this question, then you've undoubtedly been hop kissed with a fist, and one sip of this mouth-watering wheat malt-based IPA will besiege your senses with the bready zing of wheat and the lupulin lusciousness of Amarillo, Cascade, Citra and Zythos, which all but guarantees that whatever nonsensical thoughts you might've had about being productive will be rightfully smacked out of your head, and you can sink into your comfort zone with the delicious reward of this velvety smooth white IPA.

Just the Facts, Ma'am:

Beer Style: Wheat Malt Based IPA
Original Specific Gravity: 1.054 - 1.058
Final Specific Gravity: 1.010 - 1.014
Alcohol by Volume: 5.8%
Color: 5 SRM (Like a golden waterfall of IPA cascading into your mouth!)
International Bittering Units: 45
Time to Awesome Drinkability: 5 Weeks!

Your recipe kit includes the freshest malt, hops and yeast. If you are not going to brew your recipe immediately, it is important to refrigerate your yeast and hops. If your recipe includes bags of malt syrup, these should be refrigerated too. Bags of dried malt do not require refrigeration. Also, all grains are best stored at dry room temperature.

Ingredients:

Fermentables:

- 1 lb Dried Wheat Malt Extract
- 2 lbs Dried Wheat Malt Extract
- 2 lbs Dried Pilsen Light (Extra Light) Malt Extract
- 1 lb Corn Sugar (Dextrose)

Grains & Wort Additives:

- 5 oz Carablonde Malt (Crushed)
- 5 oz Blonde Roast Oat Malt (Crushed)

Hops:

- 1 oz Target Hops (Bittering, 65 Minutes)
- ½ oz Cascade Hops (Flavor & Aroma, Whirlpool)
- ½ oz Amarillo Hops (Flavor & Aroma, Whirlpool)
- ½ oz Citra Hops (Flavor & Aroma, Whirlpool)
- ½ oz Zythos Hops (Flavor & Aroma, Whirlpool)
- ½ oz Cascade Hops (Flavor & Aroma, Dry Hop)
- ½ oz Amarillo Hops (Flavor & Aroma, Dry Hop)
- ½ oz Citra Hops (Flavor & Aroma, Dry Hop)
- ½ oz Zythos Hops (Flavor & Aroma, Dry Hop)

Yeast:

Liquid Yeast: Wyeast 1010 American Wheat or
Wyeast 1272 American II Yeast

Or

Dry Yeast: Cellar Science Hazy Yeast OR Lallebrew Verdant IPA Yeast

Brewing Supplies & Flavors:

- 1 Small Muslin Bag
- 5 oz Priming Sugar

Pre-Brew Day Checklist:

If you are using liquid yeast, it is always desirable to make a yeast starter when fermenting higher alcohol brews. Making a yeast starter allows you to propagate to a greater (and necessary) cell count to ensure complete fermentation. For more information about yeast starters, please visit the 'Frequently Asked Questions' section on boomchugalug.com.

Brew Day Checklist:

On brew day, you will require the following equipment:

- Brew Pot - A 5 gallon brew pot is ideal, but never use a pot that is less than 4 gallons.
- Long-handled spoon or paddle for stirring the boiling wort.
- Primary Fermenter - A 6½ gallon (or greater) food-grade plastic bucket with lid, or a 6½ glass carboy.
- Airlock
- Stopper (if using a carboy)
- Funnel (if using a carboy)
- Hydrometer (Optional, if you want to measure your specific gravity)
- Sanitizing Solution
- Scissors
- Siphon Setup

If you chose to the day you rack the beer into the secondary fermenter, you will require the following equipment:

- 5 gallon carboy
- Stopper
- Airlock
- Siphon Setup

The Magical Procedure:

Liquid Yeast Activation Before Brewing:

If you are fermenting with liquid yeast, you must activate the yeast packet before it is ready to pitch. Always check the manufacturing date stamped on the yeast packet. Yeast that is less than 1 month old may be activated on brew day. A yeast that is more than 2 months old may require additional preparation time. Always make sure your yeast has been properly activated before using. For more information about yeast starters, please visit the 'Frequently Asked Questions' section on boomchugalug.com.

Time to Brew!

Total Boiling Time: 65 Minutes. While your wort is boiling, you should sanitize your fermentation equipment, such as your primary fermenter, airlock, scissors, stopper, etc. After you have sanitized your fermenter, fill it with 2 gallons of cold water, into which you will later add your hot boiled wort.

1. Place the crushed grains in the muslin bag and add to 2½ gallons of water. Measure the water volume carefully to ensure you extract the proper amount of hop bitterness during the boil.

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Flip the sheet to continue the magic. Also, this is a good time to pour a cold one!





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Page 2....Wow, this is good stuff. I wish there could be more!

- Heat water until the temperature is between 150° and 170°F. Steep the grains between this temperature range for 30 minutes. Steeping longer than 30 minutes does not hurt.
- Remove and discard the grains, and bring this mixture to a boil. Remove the pot from the heat and add 1 lb of dried wheat malt. Do not add the other bags of dried malt or corn sugar. To prevent scorching, stir until all of the malt is dissolved. Then bring this mixture to a boil. Watch for boilovers!
- When boiling begins again, add 1 oz of Target hops. Boil these hops for the entire 65 minutes.
- With 5 minutes remaining in the 65 minute boil, pause the brew timer, remove the kettle from the heat, and add the 1 lb bag of corn sugar (dextrose) and the remaining two 2 lb bags of dried malt extract. Stir until dissolved and bring the wort back to a boil.
- At the end of the 65 minute boil, remove kettle from the heat. This recipe uses a 15 minute after-the-boil hop addition. Brewers often call this the "whirlpool hop addition" because you stir the hops into the hot wort.

Add ½ oz each of Amarillo, Cascade, Citra and Zythos hops. Stir well. Place the cover over kettle and steep with the heat off for 15 minutes.

Note: during this steep, it is important to cover the kettle to prevent loss of the delicate and volatile hop oils.

Chill out, Man! (Chill the Wort)

- At the end of the 65 Minute boil, cool the wort to approximately 75°F as quickly as possible. With extract brewing, the easiest way to quick-chill the wort is to place your brew pot into a sink full of ice. For more information about cooling your wort quickly, please see 'Fast Wort Chilling' in the 'Frequently Asked Questions' section on our website.
- Add your chilled wort to the 2 gallons of water already in your fermenter.
- Add any extra water needed to bring the total volume in your fermenter to 5 gallons.
- If you would like to measure the specific gravity, now is a good time. To get an accurate reading, it is important to make sure all of the heavy wort extract you added to the fermenter has been completely mixed in the water.

Pitch the Yeast! (Into the Wort, But Not Out the Window!)

- When your wort has cooled to 75°F (70° - 78°F is okay), aerate the wort before adding the yeast. Simply close the fermenter and swirl around to mix in oxygen. If you are swirling a carboy, it is helpful to place the carboy on a thick, folded blanket to avoid damaging the vessel.
- After aerating, pitch (add) the yeast. Use the sanitized scissors to cut open the yeast packet. If you are using liquid yeast, sanitize the pack before opening. If you are using dried yeast, simply sprinkle the yeast over the wort. No mixing is necessary with dried yeast.
- Close the fermenter, attach the airlock, and keep the fermenter warm (between 70° - 78°F) until you see fermentation beginning, such as the airlock bubbling once every 30 seconds. Wrapping the fermenter with a blanket is an easy way to keep the fermenter warm.

Primary Fermentation:

There are several ways to know when fermentation has begun. First, you will begin to see bubbling through the airlock. If you are using a carboy, then you will usually see the yeast begin to form a layer over the beer's surface.

- Once fermentation begins, move the fermenter to a room with the proper temperature. The ideal temperature to ferment this beer is between 62° - 72°F. Do not let the temperature drop below 62°F. If you do, fermentation may stop too

soon. That's a bummer, man.

- Active fermentation may take as long as two weeks after pitching the yeast, although fermentation may finish in 3 to 5 days.

Secondary Fermentation:

After about one week, fermentation will begin to slow. This is a good time to siphon the beer into the 5 gallon glass carboy.

- Dry hop: When siphoning your beer into the secondary, add the final ½ oz each of Cascade, Amarillo, Citra and Zythos hops. Just cut 'em open and dump 'em in. Dude, that was easy! If you don't use a secondary carboy, you may dry hop directly in your primary fermenter.
- Allow the beer to rest in the secondary for approximately 1 week before bottling.

Time to Bottle!

There are several ways to tell when fermentation is complete (besides your drooling). If you correctly pitched the yeast and fermentation quickly began, and if the beer fermented vigorously and the fermenter was always within the correct temperature range (62° - 72°F), then fermentation should finish in two weeks or less. You should see virtually no activity in the airlock. For example, if the airlock only bubbles once a minute or longer, then fermentation should be complete. If you are unsure if fermentation has ended, you may use your hydrometer to measure the specific gravity. If your specific gravity does not change after two or more days, then fermentation is complete and you are ready to bottle!

- Before bottling, sanitize your bottling bucket, auto siphon (or racking cane), hose, bottle filler, caps and bottles. Glass bottles may be sanitized one day in advance by baking them in the oven. More information about baking your bottles can be found under 'Baking Beer Bottles' in the 'Frequently Asked Questions' section on our website.
- Dissolve 5 ounces (weight) or 3/4 cup of priming sugar (dextrose / corn sugar) in 16 oz water. Boil for 5 minutes.
- Pour the sugar solution into the bottling bucket, and siphon in the beer. Siphon carefully, trying to minimize splashing and aeration of the beer. Also when siphoning, be sure to leave behind the sediment at the bottom of the fermenter. When done siphoning, gently stir the beer in the bucket to make sure all of the sugar solution has been dissolved. Your racking cane makes a convenient stirring wand.
- Elevate your bottling bucket, and attach your siphon hose and bottle filler to the bucket's spigot. Fill the bottles to about 1 inch from the top, and cap each bottle.

Carbonation and Maturation!

Now that your bottles are primed and capped, the remaining yeast will undergo a second fermentation in the bottle whereby they eat the priming sugar and produce carbon dioxide, which is trapped in the bottle to produce the carbonation. While your beer is carbonating, it will also be clearing and maturing - the young, rough undeveloped flavors develop into your magical beverage! Your wondrous elixir reaches awesome drinkability about 6 weeks from the day you began the brew, but don't be surprised if it keeps getting better as time goes on.

- Place your bottles in a dark place at room temperature (62°F - 75°F), and wait at least two weeks for the beer to carbonate. It is important to keep the beer between 62°F - 75°F for carbonation to develop. If the beer cools below 62°F, it may not properly carbonate. In brewing, this is officially known as the buzzkill. Keep it warm, let it carbonate!
- Once your beer is carbonated, you may store it in a cool place. Unfiltered home-brew is unfiltered, and unfiltered beers will improve with time. If your young beer is rough or yeasty, these flavors will mellow over time. Cheers!

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