



NORTHERN BREWER

O.G.	ABV	IBU	BREW TIME: 6 WEEKS
1.063	6.2%	50	Primary: 2 Weeks
			Secondary: 2 Weeks
			Bottle Conditioning: 2 Weeks

CITRAFICATION STRATAGY IPL

A bit of a mish-mash of classic Helles and the ubiquitous American IPA, Citrafication Strategy IPL showcases the best of both worlds using old-world style ingredients combined with newer and highly aromatic American hop varieties, Citra and Strata. The blueprint is to take a clean yet intriguing malt base, and ferment it with a super clean lager yeast in order to let the impressive hops take center stage. Additions of Citra and Strata hops mingle together to create an out of this world aroma and flavor experience, full of bouquets of fruit notes combined with a pleasing herbal-dank-resin punch.

KIT INVENTORY

SPECIALTY GRAIN

Ampersand Grain Blend:
1 lb Briess Caramel 20L

FERMENTABLES

6 lbs Pilsen Malt Syrup
3.15 lbs Pilsen Malt Syrup
(10 min late addition)

PREMIUM HOPS

1 oz Strata	30 min
1 oz Citra	5 min
1 oz Strata	5 min
1 oz Citra	Steep
1 oz Strata	Steep
2 oz Citra	Dry Hop
2 oz Strata	Dry Hop

SUGGESTED YEAST

YEAST

DRY YEAST:
Fermentis Saflager W-34/70
Optimum Temp: 48°- 68°F

LIQUID YEAST OPTIONS:
Omega Yeast OYL-106 German Lager I
Optimum temp: 45°- 68°F

Imperial Yeast L13 Global
Optimum temp: 45°- 56°F

BEFORE BREW DAY

- Upon arrival, unpack kit.
- Read all instructions before starting.
- Be sure you have all items listed in the Kit Inventory.
- Refrigerate liquid yeast.
- If making a yeast starter, we suggest 24-48 hrs.
- Contact us if you have any questions or concerns.

YOU WILL NEED

- Homebrewing equipment for brewing 5 gallon batches.
- Boiling kettle (at least 3.5 gallons capacity).
- Approx. 2 cases of 12 oz or 22 oz pry-off beer bottles.
- **Optional** - 5 gallon carboy, with bung and airlock, to use as secondary fermentor.

A FEW HOURS BEFORE BREW DAY

Remove liquid yeast packages from the refrigerator, and leave in a cool place (~50°F). Check yeast instructions on packet.

BREWING NOTES

KEY STATS

Brew Day Date: _____

Secondary: _____

Important Additions: _____

Bottling/Kegging: _____

Fermentation Temp: _____

Yeast Strain #: _____

Measured OG: _____ FG: _____

ON BREWING DAY

1. Heat 2.5 gal of water.
2. Pour grain into supplied mesh bag, and tie open end in a knot. Steep for 30 min at 150° - 160°F. Remove bag, drain and discard.
3. Bring to a boil. Remove the kettle from burner and stir in 6 lbs Pilsen Malt Syrup.
4. Return to boil. The mixture is now called "wort", the brewer's term for unfermented beer.
NOTE: Total boil time is 30 min.
 - Add 1 oz Strata hops at the start of boil (30 min)
 - Add 3.15 lbs Pilsen Malt Syrup with 10 min left in the boil
 - Add 1 oz Citra hops and 1 oz Strata hops with 5 min left in the boil
5. Cool wort. When the 30-minute boil is finished, cool wort to approximately 160°F as rapidly as possible by using a wort chiller, or put kettle in an ice bath in your sink. Once 160°F is reached, stop chilling and add 1 oz Citra hops and 1 oz Strata hops and allow to steep for 10 minutes. Resume chilling to approximately 100°F.
6. Sanitize fermenting equipment and yeast pack(s). While wort cools, sanitize fermenting equipment (fermenter, lid or stopper, airlock, funnel, etc) along with yeast packs.
7. Fill primary fermenter with 2 gal cold water, then pour in cooled wort. Leave any thick sludge in bottom of kettle.
8. Add more cold water as needed to bring volume to 5 gal.
9. Aerate wort: Seal fermenter and rock back and forth to splash for a few mins, or use an aeration system and diffusion stone.
10. Measure wort's specific gravity with a hydrometer. Record.
11. Add yeast once temp. of the wort is 58°F or lower (not warm to the touch). Sanitize and open yeast pack(s). Carefully pour contents into primary fermenter.
12. Seal fermenter. Add approx. 1 tbsp of water to sanitized fermentation lock. Insert airlock into rubber stopper or lid. Seal fermenter.
13. Move fermenter to a cool, dark, quiet spot until fermentation begins, such as a cool basement or purpose-built fermentation chamber.

PRIMARY FERMENTATION

14. **Within 48 hours Active fermentation begins.**
You'll see a cap of foam on the surface of the beer. Specific gravity as measured with a hydrometer will drop steadily. You may see bubbles in the fermentation lock. The optimum temp. for this beer is 48°- 56°F.
15. **Within 2 weeks Active fermentation ends.**
Proceed to next step when:
 - Cap of foam falls back into the beer.
 - Bubbling in airlock slows down or stops.
 - Specific gravity as measured with a hydrometer is stable.

SECONDARY FERMENTATION (OPTIONAL)

NOTE: You may skip secondary fermentation and simply add 2 weeks to primary fermentation before bottling.

16. Sanitize siphoning equipment, airlock, carboy bung or stopper. Siphon beer from primary fermenter into secondary.
17. Allow beer to cold condition (lager) in secondary fermenter in a refrigerator for 2 weeks before proceeding with the next step. Timing is now somewhat flexible.
18. After 2 weeks of cold conditioning, remove the fermenter from the refrigerator and allow to warm to room temperature for 2-3 days. Add 2 oz Citra and 2 oz Strata hops directly to the new beer and allow to dry hop for 3-5 days before bottling.

BOTTLING DAY (ABOUT 4 WEEKS AFTER BREW DAY)

19. Sanitize siphoning and bottling equipment.
20. Mix a priming solution (sugar dissolved in water; carbonates bottled beer). Use the following amounts, depending on which type of sugar you use:
 - Corn sugar (dextrose) 2/3 cup in 16oz water.
 - Table sugar (sucrose) 5/8 cup in 16oz water.Bring solution to a boil. Pour into bottling bucket.
21. Siphon beer into bottling bucket and mix with priming solution. Stir gently to mix
 - do not splash.
22. Fill and cap bottles.

CONDITIONING (ABOUT 6 WEEKS AFTER BREW DAY)

23. Condition bottles at room temp. for 2 weeks
After this point, store bottles cool or cold.
24. Serving: Pour into a clean glass. Be careful to leave any sediment at the bottom of the bottle. Cheers!

WE'VE GOT YOUR BATCH

We're so confident in the quality of our beer kits, we'll replace any kit, anytime, no questions asked.

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