## Dank IPA

## **INCLUDES:** D 6.6 lb. Marris Otter LME

- □ 1.75 lbs. Munich 10L
- B oz. Crystal 60
- □ 8 oz. Carapils
- $\hfill\square$  1 oz Columbus 60min.
- $\Box$  1 oz Columbus 20min.
- $\hfill\square$  1 oz Apollo 10min.
- □ 1oz Australian Topaz 5min.
- □ 1oz Columbus– dry hop 7 days
- □ 1oz Australian Topaz dry hop 7 days
- □ Hop and Grain bags
- □ Priming sugar
- $\Box$  Caps
- □ Safale American S-05

Batch Size: 5 gallons Boil Vol: 2.5 gallons EST OG: 1.060 EST FG: 1.013 IBUs: ~102 EST ABV: 6.2%

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## HOW-TO:

- 1. Place grain in large muslin bag and tie off. Heat 1.2 gal. (4.6 L) of water in your pot/kettle to 152°F and steep grains at this temperature for 45 minutes.
- 2. Heat another 1.5 quarts of water in a separate pot to 170°F. Lift the grain bag out of the pot/kettle and rinse the grains with this 1.5 quarts of water. Do not squeeze the bag, allow it to drip/drain. Top up to 2 ½ gallons.
- 3. Warm the LME cans under warm water.
- 4. Bring the wort to a boil, remove your kettle from the heat and stir in the LME and DME.
- 5. Return the wort to a boil, then start your 60 minute countdown and add the 60 min. hops.
- 6. At 20 min., add the next bag of hops.
- 7. At 10 min., add the next bag of hops.
- 8. At 5 min., add the next bag of hops.
- 9. Chill to 70°F in an ice-bath or with immersion chiller and remove hops bags if you used them.
- 10. Dump the wort into your primary fermenter and top up 5 gallons with clean, cool water target temperature is 68°-72°F.
- 11. Pitch yeast.
- 12. When fermentation is complete (7-14 days), add the final 2 bags of hops dry hop for 7 days (You can keep it in the primary or rack to secondary.)
- 13. Bottling Day: Boil priming sugar in 2 cups of water for 10 minutes, cool, and dump into bottling bucket. Rack beer to bottling bucket, fill bottles, and cap.
- 14. Age at least 2 weeks to fully carbonate.
- 15. Drink!

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