## **Galactic Dank**

### **INCLUDES:**

- □ 6.6# Marris Otter LME
- □ 2# Light DME
- □ 1.75# Munich 10
- □ .5# Crystal 60
- □ .5# Carapils
- □ .5# Aromatic
- □ .5 oz Columbus (60 min)
- □ 1 oz Columbus (20 min)
- □ 1 oz Galaxy (10 min)
- □ 1 oz Galaxy (5min)
- □ 1 oz Columbus- dry hop
- □ 1 oz Galaxy- dry hop
- □ Hop and grain bags
- □ Priming sugar
- □ Caps
- □ S-04

Batch Size: 5 Gallons Boil Volume: 3 Gallons

EST OG: 1.080 EST FG: 1.015 EST ABV: 8.5%

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Hop and grain bags
Priming sugar
Cans

### **HOW-TO:**

□ S-04

- 1. Place grain in large muslin bag and tie off. Heat 2 gal. 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 has slowed, (about 5-7days), add the final 2 bags of hops dry hop for 7 days or when fermentation is complete. (Rack to secondary and let it clear)
- 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, a little longer for smoother character.
- 15. Drink!