## Cascadian Dark Ale (CDA) or Black IPA

OG: 1.058 FG 1.015 ABV 6 %		
Extract Recipe:		
7	lbs	Light Malt Extract
1	lbs	Dry Light Malt Extract
3/4	lb	Special Roast Malt
1⁄2	lb	Crystal 20L Malt
3/4	lb	Carafa II Malt
1⁄4	lb	Wheat Malt
1	ΟZ	Warrior Hops 18 HBUs(Bittering)60 min
3/4	oz	Cascade Hops (Flavoring) 2 min
3/4	oz	Warrior Hops (Aroma) 2 min
1	oz	Amarillo Hops Dry Hop
Wyeast American Ale Yeast		
1	+	

1 tsp Amylase Enzyme

For Bottling:

1 1/4 cup Dry Malt Extract Or 3/4 cup Corn sugar

• Add cracked grains in a steeping bag to 2 gals of cold water and bring to a boil.

- When boiling starts, remove the grain and shut off the heat.
- Add malt extract, and stir until fully disovled.
- Return to heat and bring to a boil for 5 minutes, then add the boiling hops. (1oz Warrior)
- Continue boiling for 58 mins then add 3/4 oz of Cascade hops and 3/4 Warrior hops.
- Continue to boil for 2 mins.
- Fill your fermenter with 2 gals of cold water(40°).
- Remove and rinse(sparge) the hops with 1 quart of cold water into the fermenter.
- Add the wort to the fermenter with cold water to make 5 gals.
- Add yeast and Amylase Enzyme when the temp reaches 70°. Aerate the wort(shaking works well).
- $\bullet$  Ferment at 65° to 70° for 1 week.
- Rack to a secondary fermenter.
- Add 1 oz of Amarillo Hops for dry hopping
- Let it age to clarity, then bottle or keg.

All Grain Recipe:

- 12 lbs 2 Row Malt
- 3/4 lb Special Roast Malt
- 1/2 lb Crystal 20L Malt
- 3/4 lb Carafa II Malt

1/4 lb Wheat Malt Infusion Mash at  $152^{\circ}$  for 1 hour. Sparge to 6.5 gals of wort. Boil for one hour using the hop schedule above. Remove hops and cool to  $70^{\circ}$ . Pitch the yeast and aerate. Follow the fermenting schedule above.