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# AMERICAN PALE ALE

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*All Grain - 5 Gallon*

**ADVANCED RECIPE**



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# RECIPE

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## RECIPE PROFILE

OG 1.055-1.057  
Pre-Boil Gravity 1.044-1.046  
FG 1.014  
IBUs 39.8  
ABV 5.5%  
Mash 60 minutes  
Boil 60 minutes

## MASH PROFILE

161°F (strike temp)  
156°F (steep temp)  
60 minute steep  
5 gallons water (mash volume)

## PROCESS

**Mash Out**  
168°F (7 minutes)

**Sparge**  
12 quarts @ 168°F

**Boil**

- 60 min - Perle hop packet
- 45min - 1st Cascade hop packet
- 15 min - Irish moss packet
- 0 minute - Cascade hop packet

**Fermentation**  
Pitch @ 70°F-72°F

**Carbonation**  
Carbonate to 2.4 vol