



PALE ALES, CLONE RECIPES



@hoppy.days.brewing



@hoppydaysbrewingsupplies

BREW # _____

DATE BREWED _____

DATE PACKAGED _____

BOLDER XPA

ALL GRAIN RECIPE KIT - 23L Batch



5.5% ABV - 32 IBU (BR 0.7#)

The classic Aussie XPA with a bright tropical hop character. Perfect if you want a fully-hopped but still sessionable beer.

INGREDIENTS

- Pale Malt - 4.4kg
- Wheat Malt - 500g
- Vienna Malt - 400g
- Acidulated Malt - 120g

HOPS

- Amarillo - 100g
- Citra - 100g
- Centennial - 50g

YEAST**

- SafAle US-05 11.5g

EXTRAS

- Whirlfloc Tablet, Nutrient

** Default Kit ingredients; other yeast options available. Whirlfloc and Nutrient sold separately.

HOPS

MALT

WATER PROFILE

LIGHT AND HOPPY

Ca² 75, Cl 50, SO₄²⁻ 135

Target Mash pH: 5.2

WATER ADDITIONS (RO Water)

Calcium Sulphate: 6.7g

Magnesium Sulphate: 1.5g

Calcium Chloride: 3.1g

WATER ADDITIONS (Brisbane Tap)

Calcium Sulphate: 6.7g

Potassium Metabisulphite: 1/4 teaspoon

BREW DAY NUMBERS



^BATCH SIZE 23L

TOTAL WATER 32L

MASH WATER 18L

SPARGE WATER 14L

MASH TEMP 67°C

MASH TIME 60m

^BOIL VOLUME 28L

BOIL TIME 60m

^PRE-BOIL GRAVITY 1.044

ORIGINAL GRAVITY 1.049

MASH EFFICIENCY 71%

RECORDED
NUMBERS

BOIL ADDITIONS (60min boil)



60 min 8g AMARILLO



10 min 18g AMARILLO

5 min

Whirlfloc Tablet, 1 tsp Yeast Nutrient

0 min

Turn off heat,

allow to cool to 90°C

90°C HOPSTAND

(15min)

35g CITRA, 20g AMARILLO and

20g CENTENNIAL

CHILL to 18°C

TRANSFER TO FERMENTER

FERMENT

18°C

DRY HOP

Day 4 with 35g CITRA, 20g

AMARILLO and 20g CENTENNIAL

^ Determine your pre-boil gravity before making adjustments to your boil volume. Boil longer or add DME/dextrose to increase gravity. Add additional water or shorten boil duration to reduce gravity. Batch size accounts for expected trub losses.

Bitterness Ratio compares original gravity, final gravity and bitterness units to determine the overall bitterness of the beer. 0.5 is considered an average bitterness, whereas 1.5 is very bitter.



BREWER'S NOTES

eg. check SG, Final Gravity, ABV...