

# 412 Ponderosa Pine 5G EX

American IPA (21 A)

**Type:** Extract  
**Batch Size:** 5.00 gal  
**Boil Size:** 4.28 gal  
**Boil Time:** 60 min  
**End of Boil Vol:** 3.91 gal  
**Final Bottling Vol:** 4.60 gal

**Date:** 21 Dec 2023  
**Version:** 1  
**Brewer:** Thomas Monti  
**Asst Brewer:**  
**Equipment:** Extract - Standard 5 Gal/19 l Batch  
**Fermentation:** Ale, Two Stage  
**Taste Rating:** 30.0



## Taste Notes:

### Prepare for Brewing

- Hydrate yeast with 352.49 ml warm water and add optional 17.6 g of GoFerm
- Clean and Prepare Brewing Equipment
- Total Water Needed: 6.28 gal

### Mash or Steep Grains

- Steep Water Volume: 1.00 gal
- Steep Grain Weight: 1 lbs
- Steep Time: 30
- Steep Temp: 155.0

### Grains to Steep

Amt	Name	Type	#	%/IBU	Volume
1 lbs	Carafaom [Steep] (2.0 SRM)	Grain	1	9.6 %	0.08 gal

### Boil Wort with Extract

- Boil Fermentables Weight: 9 lbs 6.0 oz
- Boil Fermentables Volume: 0.76 gal
- Est Boil Water Addition: 2.51 gal
- Target Boil Volume: 4.28 gal
- Estimated pre-boil gravity is 1.102 SG

### Boil Ingredients

Amt	Name	Type	#	%/IBU	Volume
3 lbs	DME Golden Light (Briess) [Boil] (4.0 SRM)	Dry Extract	2	28.9 %	0.23 gal
6 lbs 6.0 oz	LME Golden Light (Briess) [Boil] (4.0 SRM)	Extract	3	61.4 %	0.53 gal
1.50 oz	Columbus/Tomahawk/Zeus (CTZ) [15.50 %] - Boil 60.0 min	Hop	4	48.1 IBUs	-
1.00 oz	Chinook [13.00 %] - Boil 60.0 min	Hop	5	26.9 IBUs	-
1.00 oz	Centennial [10.00 %] - Boil 15.0 min	Hop	6	10.3 IBUs	-
1.00 oz	Chinook [13.00 %] - Boil 15.0 min	Hop	7	13.3 IBUs	-
0.33 oz	Centennial [10.00 %] - Boil 0.0 min	Hop	8	0.0 IBUs	-
0.33 oz	Chinook [13.00 %] - Boil 0.0 min	Hop	9	0.0 IBUs	-

- Estimated Post Boil Vol: 3.91 gal and Est Post Boil Gravity: 1.066 SG

### Cool and Transfer Wort

- Cool wort to fermentation temperature
- Transfer wort to fermenter
- Add water if needed to achieve final volume of 5.00 gal

### Pitch Yeast and Measure Gravity and Volume

#### Fermentation Ingredients

Amt	Name	Type	#	%/IBU	Volume
1.0 pkg	Safale American (DCL/Fermentis #US-05) [50.28 ml]	Yeast	10	-	-

- Measure Actual Original Gravity \_\_\_\_\_ (Target: 1.066 SG)
- Measure Actual Batch Volume \_\_\_\_\_ (Target: 5.00 gal)
- Add water if needed to achieve final volume of 5.00 gal

Fermentation

- 21 Dec 2023 - Primary Fermentation (4.00 days at 67.0 F ending at 67.0 F)
- 25 Dec 2023 - Secondary Fermentation (10.00 days at 67.0 F ending at 67.0 F)

Dry Hop and Bottle/Keg

Dry Hop/Bottling Ingredients

Amt	Name	Type	#	%/IBU	Volume
0.33 oz	Centennial [10.00 %] - 3.0 Days Before Bottling for 0.0 Days	Hop	11	0.0 IBUs	-

- Measure Final Gravity: \_\_\_\_\_ (Estimate: 1.015 SG)
- Date Bottled/Kegged: 04 Jan 2024 - Carbonation: Bottle with 3.61 oz Corn Sugar
- Age beer for 30.00 days at 65.0 F
- 03 Feb 2024 - Drink and enjoy!

Notes