

Das America Wheat

- Gravity **13.9 BLG**
- ABV ---
- IBU **23**
- SRM **4.9**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.7 liter(s)**
- Total mash volume **18.2 liter(s)**

Steps

- Temp **63 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **13.7 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **50 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **17.3 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|-----------------|-------|-----|
| Grain | Weyermann - Pale Wheat Malt | 2 kg (43.9%) | 85 % | 5 |
| Grain | Weyermann - Pale Ale Malt | 1 kg (21.9%) | 85 % | 7 |
| Grain | Weyermann - Pilsner Malt | 1 kg (21.9%) | 81 % | 5 |
| Grain | Weyermann - Carapils | 0.56 kg (12.3%) | 78 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|----------|------------|
| Aroma (end of boil) | fantasia | 20 g | 10 min | 4.3 % |
| Aroma (end of boil) | fantasia | 20 g | 5 min | 4.3 % |
| Whirlpool | fantasia | 10 g | 0 min | 4.3 % |
| Dry Hop | fantasia | 50 g | 7 day(s) | 4.3 % |
| Boil | Waimea | 10 g | 60 min | 15.3 % |
| Dry Hop | Waimea | 50 g | 7 day(s) | 15.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------|-------------|-------------|---------------|-------------------|
| US West Coast | Ale | Dry | 15 g | Gozdawa |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|---------------|----------------|-------------|
| Fining | Mech irlandzki | 10 g | Boil | 60 min |