

## American Wheat XI

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **32**
- SRM **4.4**
- Style **American Wheat or Rye Beer**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **40 %/h**
- Boil size **17.5 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **9.1 liter(s)**
- Total mash volume **11.7 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

### Mash step by step

- Heat up **9.1 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **0 min** at **78C**
- Sparge using **11 liter(s)** of **76C** water or to achieve **17.5 liter(s)** of wort

### Fermentables

| Type  | Name                         | Amount         | Yield | EBC |
|-------|------------------------------|----------------|-------|-----|
| Grain | Weyermann - Pszeniczny jasny | 1.3 kg (50%)   | 80 %  | 6   |
| Grain | Weyermann - Pale Ale         | 1.1 kg (42.3%) | 80 %  | 6   |
| Grain | Weyermann - Carapils         | 0.2 kg (7.7%)  | 75 %  | 5   |

### Hops

| Use for | Name                          | Amount | Time     | Alpha acid |
|---------|-------------------------------|--------|----------|------------|
| Boil    | USA Chinook (przebita paczka) | 12 g   | 60 min   | 12.8 %     |
| Boil    | USA Citra (2017)              | 20 g   | 0 min    | 14.2 %     |
| Dry Hop | USA Citra (2017)              | 10 g   | 3 day(s) | 14.2 %     |

### Yeasts

| Name            | Type | Form  | Amount | Laboratory |
|-----------------|------|-------|--------|------------|
| Safale US-05 II | Ale  | Slant | 100 ml | ---        |

### Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|       |                            |      |      |       |
|-------|----------------------------|------|------|-------|
| Other | Zest z cytryny (3 cytryny) | 50 g | Boil | 0 min |
|-------|----------------------------|------|------|-------|