



RECIPES

ur master brewer Carl Heron, has been mashing, boiling and fermenting away on our pilot kit to bring you these recipes.

The calculated malt weights and liquor volumes are for a 10brl brew at a commercial efficiency, but we've also put the % contribution by each malt so that you can scale the recipe to suit your brew length.

We've included a lot of different styles to showcase the tremendous range of malts that Crisp has to offer. Feel free to use the recipes as they are presented or use them as a jumping off point for your imagination.

HAPPY BREWING!





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CRISP GERMAN PILSNER

Crisp, noble and refined | ABV 4.2% | IBU 21 | OG 1040 SG

The Pilsner style takes a lifetime to master. There is nowhere to hide with this deceptively simple recipe so only the most well-made and consistent malts should be used on this style. Our German Pilsner Malt doesn't need step or decoction mashing and will deliver a beautiful white head and clear beer, as befits the style.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1040 S
FINAL GRAVITY:	1007 S
IBUs:	2
COLOUR (EBC/SRM):	5.5 / 3
BREWHOUSE EFFICIENCY	* 85%

INGREDIENTS

MALTS	(kg)	%
GERMAN PILSEN	244	97
VIENNA	7	3
TOTAL	251	

DIAMOND LAGER

HOPS	(g)	Cont
MAGNUM	412	

METHODS	/ TIMINGS

TEMPERATURES	
MASH TEMP:	63°C / 145°F
COLLECTION TEMP:	12°C / 54°F
FERMENTATION TEMP:	14°C / 57°F
MASH LIQUOR VOL (LITRES): 680
Ulquor / Mash Rat	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins



"Reducing the wort temperature to 80°C prior to late hop addition will ensure that the fine aromas of the noble Tettnanger hop can be appreciated in the finished beer."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
MAGNUM	412	32.5	13.5	Start of boil
MAGNUM	412	32.5	13.5	Middle
HERSBRUCKER	856	15	3	Flame out
TETTNANGER	622	20	5.5	Chill to 80°C then add





THE **MALT**

CRISP PRE-PROHIBITION LAGER

High hop and corn-like sweetness | ABV 4.8% | IBU 21 | OG 1044 SG

This recipe draws from the pre-prohibition era in US brewing history and features our Europils Malt and Flaked Maize to lend grainy and sweet-corn flavours respectively. Substantial hop additions give a moderate bitterness and the low mash temperature gives a lingering dry finish.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1044 SG
FINAL GRAVITY:	1007 SG
IBUs:	21
COLOUR (EBC/SRM):	5 / 2.5
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
EUROPILS	223	78
FLAKED T MAIZE	58	22
TOTAL	281	



WLP029 KOLSCH

HOPS	(g)	Contribution%	•	
CASCADE	734	30	7	Start of boil
CITRA	411	30	12.5	Middle
EUKANOT	221	20	15.5	Flame out
CITRA	274	20	12 5	Flame out

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	63°C / 145°F
COLLECTION TEMP:	17°C / 63°F
FERMENTATION TEMP:	20°C / 68°F
MASH LIQUOR VOL (LITRES): 759
LIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins

Carl's Top Tip

"Torrefied Flaked Maize is pre-gelatinised so no need to have a cereal cooker, just add straight to the mash."

HANDBOOK

CRISP VIENNA LAGER

Dry, smooth and bready | ABV 4.8% | IBU 20 | OG 1044 SG

The Vienna Lager was first originated by Anton Dreher in Vienna in 1841, the style being defined by the toasty character of the Vienna Malt. This version is light in body and dry in finish making it a very drinkable brew. The Perle and Styrian hops give a soft, delicate bitterness in perfect balance to the malt.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1044 SC
FINAL GRAVITY:	1007 SC
IBUs:	20
COLOUR (EBC/SRM):	9 / 4.5
BREWHOUSE EFFICIENCY	* 85%

INGREDIENTS

MALTS	(kg)	%
GERMAN PILSEN	86	30
VIENNA	195	70
TOTAL	281	



GERMAN STYLE LAGER

HOPS	(g)	Contribution%	Alpha Acid%	Addition
PERLE	652	30	7.5	Start of boil
STYRIAN EAGLE	337	30	14.5	Middle
AURORA	435	20	7.5	Flame out
STYRIAN EAGLE	225	20	14.5	Flame out

METHODS / TIMINGS

TEMPERATURES		
MASH TEMP:	63°C / 145°F	
COLLECTION TEMP:	13°C / 55°F	
FERMENTATION TEMP:	15°C / 59°F	
MASH LIQUOR VOL (LITRES): 760		
LIQUOR / MASH RAT	`IO: 2.7 : 1	



MASH: 60 mins BOIL: 60 mins



Carl's Top Tip

"Mashing in at a lower temperature will give a more fermentable wort and a crisper finish to the beer."





CRISP TABLE BEER

Rounded body with floral citrus hops | ABV 2.5% | IBU 20 | OG 1031 SG

Low ABV beers are a tricky recipe to get right. They can often end up very thin and lacking in mouthfeel. The key is to have lots of non-fermentable sugars to add body, which is exactly what this hefty addition of Dextrin Malt achieves. We've also added great drinkability by utilising a range of fruit forward American aroma hops.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1031 SG
FINAL GRAVITY:	1012 SG
IBUs:	20
COLOUR (EBC/SRM):	4/2
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
EXTRA PALE	163	80
DEXTRIN	42	20
TOTAL	205	

YEAS

LAGER

METHODS / TIMINGS

TEMPERATURES	••••••
MASH TEMP:	68°C / 154°F
COLLECTION TEMP:	17°C / 63°F
FERMENTATION TEMP:	20°C / 68°F
MASH LIQUOR VOL	LITRES): 554
LIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins



Carl's Top Tip

"Mashing slightly thicker (2.2:1) with a higher temperature will reduce the amount of fermentable sugar which will help control ABV and give body to the beer."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
AMARILLO	543	30	9	Start of boil
CASCADE	699	30	7	Middle
MOSAIC	272	20	12	Flame out
AMARILLO	362	20	9	Flame out



CRISP GERMAN KOLSCH

Clean, balanced and brilliantly clear | ABV 4.4% | IBU 25 | OG 1041 SG

The Kolsch style is all about balancing malt, hops and the delicate fruit character of the speciality Kolsch yeast. Another key characteristic is brilliant clarity and this is achieved with our Clear Choice®, polyphenol free malt, which won't throw a chill haze. A beautifully refreshing, crystal clear lager.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1041 SG
FINAL GRAVITY:	1007 SG
IBUs:	25
COLOUR (EBC/SRM):	1.3 / 0.6
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
CLEAR CHOICE® EXTRA PALE	258	97
VIENNA	8	3
TOTAL	266	
0		

YEAST

KOLSCH

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	63°C / 145°F
COLLECTION TEMP:	17°C / 63°F
FERMENTATION TEMP:	20°C / 68°F
MASH LIQUOR VOL	(LITRES): 719
LIQUOR / MASH RAT	`IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins



Carl's Top Tip

"A lager fermented with an ale yeast, keep an eye on the top temperature on this one."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
HALLERTAU BLANC	582	30	10.5	Start of boil
HUELL MELON	873	30	7	Middle
HUELL MELON	582	20	7	Flame out
MANDARINA BAVARIA	479	20	8.5	Flame out





CRISP GERMAN MAIBOCK

Fruity with a malt kick | ABV 6.5% | IBU 21 | OG 1061 SG

A strong, German lager with accentuated fruit from the Munich Malt and a clean fermentation courtesy of the lager yeast and cold fermentation. A simple infusion mash is adequate given the well modified nature of our German Malt, which originates in our Crisp Hamburg maltings.

METHODS / TIMINGS

FERMENTATION TEMP: 15°C / 59°F

MASH LIQUOR VOL (LITRES): 1065

LIQUOR / MASH RATIO: 2.7:1

MASH: 60 mins BOIL: 60 mins

Carl's Top Tip

malty depth."

"The Light Munich in this

recipe will deliver wonderful

67°C / 153°F

13°C / 55°F

TEMPERATURES

COLLECTION TEMP:

MASH TEMP:

EE TIMINGS

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1061 SG
FINAL GRAVITY:	1011 SG
IBUs:	21
COLOUR (EBC/SRM):	9/4.7
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
GERMAN PILSEN	314	80
LIGHT MUNICH	80	20
TOTAL	394	



GERMAN BOCK LAGER

HOPS	(g)	Contribution%	Alpha Acid%	Addition
STYRIAN EAGLE	342	30	15	Start of boil
AURORA	734	30	7	Middle
CELEIA	1141	20	3	Flame out
STYRIAN EAGLE	228	20	15	Flame out



CRISP LOW GLUTEN PALE ALE

Delicate and light with tropical fruit | ABV 3.8% | IBU 22 | OG 1037 SG

By utilising flaked cereals that don't contain gluten it is possible to drastically reduce the gluten content in beer. In this recipe we use our flaked rice and maize which have been pre-cooked in our torrifying process. The result is a very light beer in colour and body with a delicate hop bitterness from some new UK varieties. A summer thirst quencher.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1037 SC
FINAL GRAVITY:	1008 SG
IBUs:	22
COLOUR (EBC/SRM):	6.4 / 3.2
BREWHOUSE EFFICIENCY	* 85%

INGREDIENTS

MALTS	(kg)	%
CLEAR CHOICE® EXTRA PALE	183	75
FLAKED T MAIZE	33	15
FLAKED T RICE	23	10
TOTAL	239	
2		

SAFALE US-05

YEAST

OHOPS	(g)	Contribution%	Alpha Acid%	Addition
PILOT	633	30	8.5	Start of boil
JESTER	672	30	8	Middle
OLICANA	897	40	8	Flame out

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	65°C / 149°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	21°C / 70°F
MASH LIQUOR VOL (LITRES): 645
LIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins



Carl's Top Tip

"Mash this brew for 90 minutes and send the finished beer away to Murphy & Son, Brewlab or SureBrew for a gluten test, it must be below 20ppm to be safe to drink for Coeliacs."





CRISP OATY PALE ALE

Floral and piney with malt richness | ABV 4% | IBU 24 | OG 1039 SG

This is our English Pale Ale recipe but with a twist; the addition of Naked Oat Malt to lend body and texture. A late addition of Slovenia Aurora gives a floral and pine character to this very drinkable of ales.

METHODS / TIMINGS

FERMENTATION TEMP: 21°C / 70°F

MASH LIQUOR VOL (LITRES): 704

LIQUOR / MASH RATIO: 2.7:1

MASH: 60 mins BOIL: 60 mins

Carl's Top Tip

and enhanced body."

"Oats give up soluble fibre to the

beer giving a nice smooth finish

64°C / 147°F

18°C / 64°F

TEMPERATURES

COLLECTION TEMP:

MASH TEMP:

(TIMINGS

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1039 SG
FINAL GRAVITY:	1008 SG
IBUs:	24
COLOUR (EBC/SRM):	15.5 / 7.5
BREWHOUSE EFFICIENCY	7: 85%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	214	86
CRYSTAL 100	11	4
NAKED OAT	36	10
TOTAL	261	

VEAST

WEST COAST PALE ALE

HOPS	(g)	Contribution%	Alpha Acid%	Addition
FIRST GOLD	782	30	7.5	Start of boil
MINSTREL	978	30	6	Middle
AURORA	1118	40	7	Flame out



CRISP GOLDEN ALE

Quaffable summer ale | ABV 4.5% | IBU 20 | OG 1043 SG

This classic Golden Ale is all about showcasing hops without any caramel sweetness. The Cara Gold achieves the golden colour without any caramel sweetness but also lends the beer some body and a rounded mouthfeel despite the dry finish. Perfect on cask, for a quaffable summer ale.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1043 SC
FINAL GRAVITY:	1008 SC
IBUs:	20
COLOUR (EBC/SRM):	10.5 / 8
BREWHOUSE EFFICIENCY	7: 80%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	261	90
CARA GOLD	35	10
TOTAL	296	



WINDSOR ALE

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	66°C / 151°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	21°C / 70°F
MASH LIQUOR VOL (1	LITRES): 741
LIQUOR / MASH RAT	IO: 2.5 : 1



MASH: 60 mins BOIL: 60 mins



Carl's Top Tip

"The 3°C free rise in fermentation temperature encourages yeast growth in the first 24 to 36 hours in FV."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
FIRST GOLD	652	30	7.5	Start of boil
MINSTREL	815	30	6	Middle
MINSTREL	543	20	6	Flame out
EAST KENT GOLDINGS	502	20	6.5	Flame out







CRISP IPA

Classic English hops and strong bready malt | ABV 4.7% | IBU 25 | OG 1043 SG

This is our version of the original English India Pale Ale with our workhorse Best Ale Malt and some Munich Malt to add a light toast and bready quality. The beer is well attenuated like its Indian forebears. Hops dominate in this timeless style.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1043 SG
FINAL GRAVITY:	1007 SG
IBUs:	25
COLOUR (EBC/SRM):	1.5 / 0.8
BREWHOUSE EFFICIENCY	80%

INGREDIENTS

MALTS	(kg)	%
EXTRA PALE	285	95
LIGHT MUNICH	15	5
TOTAL	300	

..........



LONDON ALE

METHODS / TIMINGS

63°C / 145°F
18°C / 64°F
21°C / 70°F
LITRES): 750
IO: 2.5 : 1



MASH: 60 mins BOIL: 60 mins



Carl's Top Tip

"Use DWB, a blend of brewing salts that "Burtonise" water to give the typical dry finish and accentuated bitterness of this beer style."

% норѕ	(g)	Contribution%	Alpha Acid%	Addition
SOVEREIGN	1482	40	5.5	Start of boil
EAST KENT GOLDINGS	627	20	6.5	Middle
ERNEST	1254	40	6.5	Flame out



CRISP NEIPA

Juice driven with a creamy body | ABV 6.5% | IBU 15 | OG 1062 SG

The New England IPA style embraces haze with the addition of ten percent Naked Oat Malt.

These provide, body and turbidity but we utilise our polyphenol free malt to reduce the likelihood of oxidative darkening of the beer in package.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1062 SG
FINAL GRAVITY:	1012 SG
IBUs:	15
COLOUR (EBC/SRM):	10.5 / 5
BREWHOUSE EFFICIENCY	80%

INGREDIENTS

MALTS	(kg)	%
CLEAR CHOICE® ALE	321	75
MALTED WHEAT	62	15
NAKED OAT	61	10
TOTAL	444	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	65°C / 149°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	21°C / 70°F
MASH LIQUOR VOL (LITRES): 1109
U LIQUOR / MASH RAT	YIO: 2.5 : 1



MASH: 60 mins BOIL: 60 mins + 30 mins stand



LALBREW NEW ENGLAND



Carl's Top Tip

"Clear Choice® base malt will prevent oxidative darkening of this beer style during shelf-life."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
UK CASCADE	87	5	7	Middle
CALYPSO	49	5	12.5	Middle
CALYPSO	293	30	12.5	Flame out (stand 30 mins)
JARRLYO	222	30	16.5	Flame out (stand 30 mins)
UK CASCADE	524	30	7	Flame out (stand 30 mins)





CRISP VICTORIAN STEAMPUNK ALE

Fruit, marmalade and rustic hops | ABV 5.5% | IBU 35 | OG 1051 SG

We first brewed for the Craft Brewers Conference (CBC) in 2018. This recipe combines the old world and new. We utilise Chevallier® as the base malt to give a rich, robust, marmalade and malty base and layer on top the classic California Common hops, Northern Brewer. We've added an Australian twist with Vic Secret hops making this a truly well-travelled ale.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1051 SG
FINAL GRAVITY:	1008 SG
IBUs:	35
COLOUR (EBC/SRM):	23 / 12
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
CHEVALLIER®	245	76
LIGHT MUNICH	50	15
CRYSTAL 150	25	7
LOW COL CHOCOLATE	4	1
TOTAL	324	

METHODS / TIMINGS

TEMPERATURES				
MASH TEMP:	68°C / 154°F			
COLLECTION TEMP:	15°C / 59°F			
FERMENTATION TEMP:	17°C / 62°F			
MASH LIQUOR VOL (LITRES): 809				
U LIQUOR / MASH RAT	10: 2.5:1			



MASH: 60 mins BOIL: 90 mins



CALIFORNIA COMMON



Carl's Top Tip

"To further develop flavour and colour, increase the boil time on the recipe to 90 mins."

HOPS	(g)	Contribution%	Alpha Acid%	% Add
NORTHERN BREWER	198	25	9	Start of boil
NORTHERN BREWER	198	25	9	Middle
VIC SECRET	119	25	15	10 mins before en
VIC SECRET	119	25	15	Flame out



CRISP AMBER ALE

Amber colour with malty, dry caramel finish | ABV 4.1% | IBU 25 | OG 1040 SG

The Amber Malt in this recipe will colour the beer and shine through with a malty, dry caramel finish. Expect moderate hop bitterness with classic USA bittering hops and a finish of floral and piney Aurora and delicate spice from the Perle hops.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS)): 10
ORIGINAL GRAVITY:	1040 SC
FINAL GRAVITY:	1008.5 SC
IBUs:	25
COLOUR (EBC/SRM):	16 / 8
BREWHOUSE EFFICIENC	Y: 85%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	234	91
CRYSTAL 150	9	3
AMBER	9	3
CARA	8	2.5
ROAST BARLEY	1	0.5
TOTAL	261	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	67°C / 153°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	21°C / 70°F
MASH LIQUOR VOL (LITRES): 701
ULIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins



ENGLISH ALE



Carl's Top Tip

"The higher mash temperature on this brew will enhance the mouthfeel of the final beer."

HOPS	(g)	Contribution%	Alpha Acid%	Add
CHINOOK	235	15	13	Start of boil
CENTENNIAL	340	15	9	Start of boil
AURORA	582	20	7	Middle
AURORA	728	25	7	End
PERLE	728	25	7	End







THE MALT HANDBOOK

CRISP SESSION BITTER

Highly drinkable. Light caramel and fruity | ABV 3.7% | IBU 20 | OG 1037 SG

Session bitters were designed to be highly drinkable with low ABV to slake the workers' thirst. The Cara Malt adds body and also some fruit notes to the ale which is well supported by using a characterful British Ale yeast.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1037 SG
FINAL GRAVITY:	1008 SG
IBUs:	20
COLOUR (EBC/SRM):	16 / 8
RREWHOUSE FEELCIENCY	80%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	223	90
CRYSTAL 150	12	4.5
CARA	15	5
ROAST BARLEY	1	0.5
TOTAL	251	

METHODS / TIMINGS

66°C / 151°F
18°C / 64°F
21°C / 70°F
ITRES): 631
O: 2.5 : 1



MASH: 60 mins BOIL: 60 mins

YEAST

ENGLISH ALE



Carl's Top Tip

"The combination of slightly higher mash temperature and Cara Malt will give this beer more body and depth."

HOPS	(g)	Contribution%	1	
ADMIRAL	326	20	15	Start of boil
TARGET	621	40	10.5	Middle
FLYER	621	40	10.5	Flame out

CRISP BEST BITTER

Toffee, caramel and raisin notes | ABV 4.4% | IBU 26 | OG 1043 SG

The addition of Crystal Malts to English bitters started after WWI and the best versions are served on cask. Our recipe uses Crystal 150 to provide toffee, caramel and raisin notes balanced out by a smorgasbord of classic and modern English hops.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1043 S
FINAL GRAVITY:	1009 S
IBUs:	20
COLOUR (EBC/SRM):	21 / 1
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	233	85
CRYSTAL 150	21	7
AMBER	12	4
CARA	12	3.5
ROAST BARLEY	2	0.5
TOTAL	280	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	66°C / 151°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	23°C / 73°F
MASH LIQUOR VOL (1	LITRES): 756
LIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins

YEAS

WINDSOR ALE



Carl's Top Tip

"The higher fermentation top temperature on this beer will encourage the yeast to produce fruity esters."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
ADMIRAL	424	30	15	Start of boil
BRAMLING CROSS	848	30	7.5	Middle
ENDEAVOUR	565	20	7.5	Flame out
KEYWORTHS MID-SEASON	565	20	7.5	Flame out







CRISP ENGLISH ESB

Bold Maris Malt body with caramel | ABV 5.5% | IBU 30 | OG 1052 SG

This Strong bitter is a great recipe to let our heritage Maris Otter® barley showcase its malt character to the fullest. Highly drinkable with a good balance between our malts and classic English hop varieties, this beer is darkened and sweetened with caramel notes by the Crystal, Amber and just a touch of Roast Barley to deepen the reddish hues.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1052 SG
FINAL GRAVITY:	1009 SG
IBUs:	30
COLOUR (EBC/SRM):	23 / 12
BREWHOUSE EFFICIENCY	: 80%

INGREDIENTS

MALTS	(kg)	%
MARIS OTTER® ALE	321	92
CRYSTAL 150	18	4.5
AMBER	12	3
ROAST BARLEY	2	0.5
TOTAL	353	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	66°C / 151°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	21°C / 70°F
MASH LIQUOR VOL (I	
LIQUOR / MASH RATI	10: 2.5:1



MASH: 60 mins BOIL: 60 mins

YEAS

LALLEMAND LONDON ESB



Carl's Top Tip

"A 20 minute steep in the copper prior to casting the wort will extract aromas of lavender, spice, honey and thyme from the East Kent Goldings hops."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
CHALLENGER	1397	40	7	Start of boil
FUGGLE	889	20	5.5	Middle
EAST KENT GOLDINGS	1505	40	6.5	Flame out



CRISP MILD

Sessionable caramel sweetness | ABV 3.5% | IBU 18 | OG 1036 SG

Crystal 150 has a sweet caramel taste and aroma and works well in this beer along with the darker roasted malts, making a pleasant sessionable mild.

BASICS

BATCH SIZE (LITRES):	163
BATCH SIZE (UK BARRELS):	1
ORIGINAL GRAVITY:	1036 S
FINAL GRAVITY:	1009 S
IBUs:	1
COLOUR (EBC/SRM):	15 /
BREWHOUSE EFFICIENCY	859

INGREDIENTS

MALTS	(kg)	%
VIENNA	194	85
CRYSTAL 150	15	6
BROWN	8	3
WHEAT	13	6
TOTAL	230	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	66°C / 151°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	21°C / 70°F
MASH LIQUOR VOL	LITRES): 621
Ulquor / Mash Rat	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins



ENGLISH ALE



Carl's Top Tip

"Mash this brew for 90 minutes to ensure full conversion as the Vienna Malt has fewer amylase enzymes than regular pale malts."

HOPS	(g)	Contribution%	-	
TARGET	419	30	10.5	Start of boil
PHOENIX	419	30	10.5	Middle
PHOENIX	279	20	10.5	Flame out
EAST KENT GOLDINGS	451	20	6.5	Flame out





CRISP DARK MILD

Subtle hops with light sweetness | ABV 4% | IBU 18 | OG 1040 SG

Five different malts make up the grist for this dark and delicious mild, expect lightly roasted coffee aromas and dark chocolate balanced with pleasant sweetness and subtle hopping.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1040 SG
FINAL GRAVITY:	1009 SG
IBUs:	18
COLOUR (EBC/SRM):	32 / 16
RREWHOUSE FEEICIENCY	85%

INGREDIENTS

(kg)	%
212	83
11	4
6	2
20	7
10	4
259	
	212 11 6 20 10

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	65°C / 149°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	23°C / 73°F
MASH LIQUOR VOL (LITRES): 697
LIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins

YEAST

NOTTINGHAM ALE



Carl's Top Tip

"60g/hl of a nice spicy T90 dry hop will put a nice twist on the aroma of this malty beer."

⊗ HOPS	(g)	Contribution%	Alpha Acid%	Addition
PILOT	518	30	8.5	Start of boil
PHOENIX	419	30	10.5	Middle
GODIVA	391	20	7.5	Flame out
FIRST GOLD	391	20	7.5	Flame out



CRISP STRONG MILD

Deep toffee malt with a pine nose | ABV 4.6% | IBU 20 | OG 1046 SG

A powerful mild but with the balance you would expect from this style, not too roasted or coffee like. The Crystal 240 brings a treacle toffee flavour and aroma and the chocolate provides depth and balance to the sweetness and body.

BASICS

BATCH SIZE (LITRES):	163
BATCH SIZE (UK BARRELS):	1
ORIGINAL GRAVITY:	1046 S
FINAL GRAVITY:	1010 S
IBUs:	20
COLOUR (EBC/SRM):	32 / 1
BREWHOUSE EFFICIENCY	859

INGREDIENTS

MALTS	(kg)	%
BEST ALE	256	88
CRYSTAL 240	23	7
CHOCOLATE	6	2
AMBER	10	3
TOTAL	295	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	67°C / 153°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	23°C / 73°F
MASH LIQUOR VOL (LITRES): 796
Ulquor / Mash Rat	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins

YEAS

ENGLISH ALE



Carl's Top Tip

"Add brewing salts to achieve a chloride:sulphate ratio of 2:1 to give a perception of sweetness on the palate to balance the dark malt flavours."

HOPS	(g)	Contribution%	•	
CHALLENGER	466	20	7	Start of boil
NORTHDOWN	384	20	8.5	Start of boil
GOLDINGS	815	30	6	Middle
PIONEER	425	30	11.5	Flame out







CRISP RUBY

Dried vine fruits and deep malt | ABV 5% | IBU 23 | OG 1047 SG

The deep red hue of this beer promises warmth and complexity. The malt bill is designed to bring dried vine fruits and all the hops are dark berry fruits. Expect malty depth with subtle hop aroma and bitterness.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1047 SG
FINAL GRAVITY:	1008 SG
IBUs:	23
COLOUR (EBC/SRM):	34 / 17
RREWHOUSE FEEICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	268	90
CRYSTAL 400	24	7
BROWN	7	2
ROAST BARLEY	3	1
TOTAL	302	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	66°C / 151°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	23°C / 73°F
MASH LIQUOR VOL (1	LITRES): 815
LIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins

YEAST

WINDSOR ALE



Carl's Top Tip

"Add the crushed Roasted Barley on top of the mash for this brew, then sparge through it to get the deep ruby colour."

HOPS	(g)	Contribution%	Alpha Acid%	Addition	
COLUMBUS	351	30	16	Start of boil	
CLUSTER	500	20	7.5	Middle	
ENDEAVOUR	1339	50	7	Flame out	



CRISP BROWN ALE

Toasted, nutty and full | ABV 4.7% | IBU 26 | OG 1044 SG

This Brown Ale is a caramel forward, malt driven dark ale without the roasted character of a porter. Crystal, Brown and Chocolate Malts give a lovely blend of toffee, nutty and biscuit flavours with a dark-reddish brown colour.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1044 S
FINAL GRAVITY:	1008 S
IBUs:	20
COLOUR (EBC/SRM):	28 / 1
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
MARIS OTTER®	240	8
CRYSTAL 150	9	3
BROWN	19	6
CHOCOLATE	6	2
WHEAT	11	4
TOTAL	285	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	65°C / 149°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	23°C / 73°F
MASH LIQUOR VOL ((LITRES): 770
LIQUOR / MASH RAT	`IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins

YEAST

WINDSOR ALE



Carl's Top Tip

"The Maris Otter® in this recipe will give a pleasant biscuit/malt backbone to this great beer style."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
FIRST GOLD	908	30	7	Start of boil
PILGRIM	605	30	10.5	Middle
GOLDINGS	706	20	6	Flame out
PHOENIX	404	20	10.5	Flame out





THE MALT HANDBOOK

CRISP LONDON PORTER

Restrained roast and chocolate caramel | ABV 6.2% | IBU 30 | OG 1058 SG

The Porter name derives from the London workers who drank this particular brew in the 1800s. This is a classic English version of the style featuring our Chocolate Malt to give a roasted character but without any astringent burnt character. Replace Best Ale with Chevallier for a truly authentic 1800s version!

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1058 SG
FINAL GRAVITY:	1010 SG
IBUs:	30
COLOUR (EBC/SRM):	44 / 22
BREWHOUSE EFFICIENCY	85%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	314	85
CRYSTAL 400	13	3
BROWN	16	4
CHOCOLATE	16	4
RYE	14	4
TOTAL	373	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	63°C / 145°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	23°C / 73°F
MASH LIQUOR VOL (1	LITRES): 1010
LIQUOR / MASH RAT	IO: 2.7 : 1



MASH: 60 mins BOIL: 60 mins

VEAS

LALLEMAND ESB



Carl's Top Tip

"The speciality malts in this recipe will add complexity, the rich flavours will be layered and be discovered as you enjoy the beer."

⊗ HOPS	(g)	Contribution%	Alpha Acid%	Addition
NORTHDOWN	978	30	7.5	Start of boil
PILGRIM	699	30	10.5	Middle
TARGET	466	20	10.5	Flame out
FIRST GOLD	652	20	7.5	Flame out

CRISP IRISH STOUT

Rich, roasted coffee and chocolate | ABV 4.8% | IBU 30 | OG 1046 SG

Roasted Barley has become strongly associated with Irish stout since the mid 20th century when the Irish brewers deviated from the London style which used Brown Malt instead. Drinkability is increased by layering Brown, Chocolate and Roast Barley and by not finishing too dry.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1046 SC
FINAL GRAVITY:	1009 S
IBUs:	30
COLOUR (EBC/SRM):	76 / 39
BREWHOUSE EFFICIENCY	75%

INGREDIENTS

•••••		• • • •
MALTS	(kg)	%
BEST ALE	272	80
BROWN	7	2
CHOCOLATE	7	2
ROAST BARLEY	33	9
WHEAT	23	7
TOTAL	342	

METHODS / TIMINGS

TEMPERATURES	
MASH TEMP:	66°C / 151°F
COLLECTION TEMP:	18°C / 64°F
FERMENTATION TEMP:	21°C / 70°F
MASH LIQUOR VOL (
LIQUOR / MASH RAT	10: 2.7:1



MASH: 60 mins BOIL: 60 mins

YEAST

NOTTINGHAM ALE



Carl's Top Tip

"The Roasted Barley in this recipe brings bite and astringency to this classic style."

HOPS	(g)	Contribution%	1	
TARGET	1863	80	10.5	Start of boil
PHOENIX	466	20	10.5	Flame out







THE MALT HANDBOOK

CRISP OATMEAL STOUT

Creamy, smooth and roasted | ABV 4.2% | IBU 18 | OG 1043 SG

Our version of the classic stout is heavy on the torrefied oats with a 10% addition lending in the beer a smooth slickness. The Brown, Crystal and Black Malts give a full roasted and chocolate flavour and the medium mash temperature leads to a moderate fullness in the end.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1043 SG
FINAL GRAVITY:	1010 SG
IBUs:	18
COLOUR (EBC/SRM):	50 / 25
RREWHOUSE FEEICIENCY	85%

INGREDIENTS

••••		• • • • • •
MALTS	(kg)	%
BEST ALE	217	80
BROWN	6	2
CRYSTAL 400	6	2
BLACK	18	6
FLAKED T OATS	39	10
TOTAL	286	

METHODS / TIMINGS

	• • • • • • • • • • • • • • • • • • • •			
TEMPERATURES				
MASH TEMP:	65°C / 149°F			
COLLECTION TEMP:	18°C / 64°F			
FERMENTATION TEMP:	21°C / 70°F			
MASH LIQUOR VOL (LITRES): 773				
LIQUOR / MASH RAT	IO: 2.7 : 1			



MASH: 60 mins BOIL: 60 mins

YEAST

LONDON ESB



Carl's Top Tip

"Use brewing salts to get a chloride:sulphate ratio of 2:1 for this beer."

HOPS	(g)	Contribution%	-	
JARRYLO	275	30	16	Start of boil
JARRYLO	275	30	16	Middle
JARRYLO	367	40	16	Flame out

CRISP IMPERIAL STOUT

Intense dark fruit and roast | ABV 11% | IBU 30 | OG 1097 SG

The biggest of the stouts, this version packs intense flavours of dark fruit and roasted character from the Brown and Black Malts and a layer of caramel from the Crystal Malt. British Minstrel at flame out lends spiced berries in flavour, and strong hop bitterness comes from the First Gold and Admiral.

BASICS

BATCH SIZE (LITRES):	1630
BATCH SIZE (UK BARRELS):	10
ORIGINAL GRAVITY:	1097 SC
FINAL GRAVITY:	1012 SC
IBUs:	30
COLOUR (EBC/SRM):	99 / 50
BREWHOUSE EFFICIENCY	75%

INGREDIENTS

MALTS	(kg)	%
BEST ALE	597	85
CRYSTAL 240	23	3
BLACK	62	8
BROWN	31	4
TOTAL	713	

METHODS / TIMINGS

TEMPERATURES				
MASH TEMP:	63°C / 145°F			
COLLECTION TEMP:	18°C / 64°F			
FERMENTATION TEMP:	25°C / 77°F			
MASH LIQUOR VOL (LITRES): 1927				
LIQUOR / MASH RAT	TIO: 2.7 : 1			



MASH: 60 mins BOIL: 60 mins

VEAS1

FERMENTIS SAFALE S-33



Carl's Top Tip

"A big beer like this needs lots of yeast pitched into it, go for at least 1.5 times your normal rate and oxygenate the wort if you can, yeast food will also help the beer reach final gravity."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
ADMIRAL	843	50	14.5	Start of boil
FIRST GOLD	699	20	7	Middle
MINSTREL	1223	30	6	Flame out





CRISP BARLEY WINE

Rich, intense and complex malt | ABV 10% | IBU 25 | OG 1090 SG

Malting floor Nº 19 at our Norfolk maltings is where it all started for us back in 1870. The Maris Otter® barley we malt on the floor today enjoys the benefit of a slow, three day kilning, which intensifies the rich, malty flavours you'll find in this barley wine. Bottle condition and age for a special occasion.

BASICS

BATCH SIZE (LITRES): 1630 **BATCH SIZE** (UK BARRELS): 10 **ORIGINAL GRAVITY:** 1090 SG FINAL GRAVITY: 1012 SG IBUs: 25 22 / 11 **COLOUR** (EBC/SRM): **BREWHOUSE EFFICIENCY:**

INGREDIENTS

MALTS	(kg)	%
Nº 19 MARIS OTTER®	656	95
CRYSTAL 100	39	5
TOTAL	695	

METHODS / TIMINGS

TEMPERATURES MASH TEMP: 65°C / 149°F **COLLECTION TEMP:** 18°C / 64°F **FERMENTATION TEMP:** 25°C / 77°F MASH LIQUOR VOL (LITRES): 1737 LIQUOR / MASH RATIO: 2.5:1



MASH: 60 mins BOIL: 90 mins



SAFBREW S33



Carl's Top Tip

"Going for a gravity of 1.090 with an all malt mash will require sacrificing some yield, check the gravity in the copper as you run off and stop when you have the correct gravity, allowing for a two hour boil."

HOPS	(g)	Contribution%	Alpha Acid%	Addition
GOLDINGS	1019	30	6	Start of boil
PHOENIX	582	30	10.5	Middle
DHOENIX	776	40	10.5	Elama out



GET IN TOUCH

We love nothing more than visiting breweries and distilleries, talking to you about your process and getting hands on to help you get the very best out of Crisp malt.

We know this can only happen when we build strong relationships with our customers, we'd love to hear from you, understand your malt needs and show how our malts can make all the difference to your beers and spirits.

CHEERS!



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