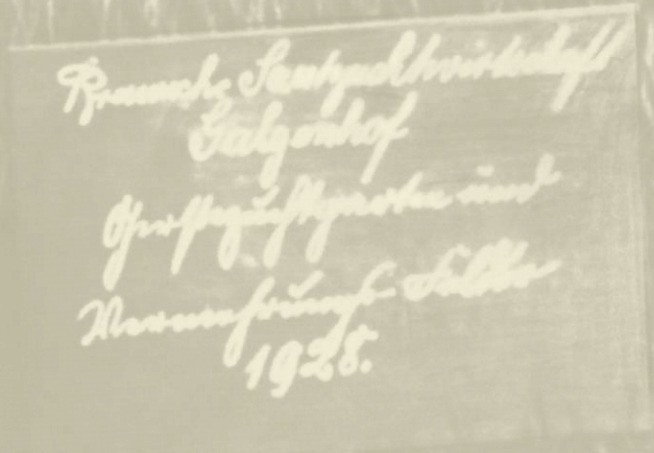




Variety Guide

FLORENCE

Very high yields under very various growing conditions !



KEY FACTS

- cross:
(SUNSHINE x KWS Irina) * RGT Planet
- breeders code: Br13773az3
- international malting quality
- **extremely consistent high yielding malting barley – in all climates**
- consistent good grading
- **very good straw stability, low lodging**
- very good disease resistance
- low sprouting tendency
- high specific weight
- UK: best yielding spring barley variety in Recommended List 2023
- Heineken brewery: uptake on “Yellow List” 2023



→ ***FLORENCE is consistently high yielding under very different growing conditions !***

International Development 2022

Registrations

EU, UK , Argentina in process

Multiplications and distribution

Denmark, France, Ireland, Luxemburg, Poland, Spain, United Kingdom

Official trials

Denmark, Finland, Ireland, United Kingdom, Spain, Poland, Lithuania,
Luxemburg, Argentina

Private trials

Uruguay / Argentina, Ethiopia, Australia, etc.



Summary of results official trials

Yield % treated

Variety	FUT DK			UK		IE			FI			LT	ES
Year	22	21	20	22	21	22	21	20	22	21	20	22	22
RGT Planet	100	98	102	99	97	102	101	101	100	100	100	99	106
Laureate	103	104	103	103	104				106	106	106	98	
Skyway	103	103	104	105	103	108	105	102	105	105	105	95	
FLORENCE	103	105	102	105	109	107	110	104	106	106	104	106	110

→ *Consistent high yields of FLORENCE
under various growing conditions and
in different years!*

→ *Florence always at the top of the range in official
international trials*

Finland: Official Trials 2020/2021

Variety	Yield % (treated)				Lodging (%)				Hl weight (kg)				Grading (% >2.5mm)			
	2020		2021		2020		2021		2020		2021		2020		2021	
	n	Rel.	n	Rel.	n	Rel.	n	Rel.	n	Rel.	n	Rel.	n	Rel.	n	Rel.
Laureate	22	106	22	106	8	242	8	178	22	97	22	96	22	100	22	100
Skyway	13	105	19	105	1	145	2	86	13	101	19	101	13	99	19	101
ELLINOR	24	105	24	105	5	199	5	147	24	98	24	98	24	99	24	99
FLORENCE	7	104	13	106	1	0	2	4	7	100	13	101	7	101	13	103
YODA	7	103	13	106	1	43	2	43	7	100	13	101	7	101	13	101
VANILLE	12	102			5	30	--	--	12	101	6	101	12	101		
LEXY			6	109			--	--	6	98	6	98			6	103
AMY			6	107			--	--			6	101			6	101
RGT Planet = Control	53	100	60	100	16	100	17	100	53	100	61	100	53	100	61	100

→ *Good agronomy, low lodging, good grading*

Actual Varieties 2022 post-registration in LT

THE REPORT OF SPRING BARLEY VARIETIES TESTING FOR VALUE OF CULTIVATION AND USE 2022

Eil. Nr.	Veislės pavadinimas, selekcinis veislės žymuo	Grūdų derlius, t ha ⁻¹ (14 % st. d.)									
No.	Variety denomination, breeder's reference	Grain yield (t ha ⁻¹) (at 14 % of standard moisture)									
1	2	3	4	5	6						
		Plungė Plant Variety Testing Division	Kaunas Plant Variety Testing Division	Pasvalys Plant Variety Testing Division	Utena Plant Variety Testing Division					% Mean	
1.	Feedway	8,47	8,89	10,02	6,79	106,57	102,10	103,39	100,43	103,12	Feedway
2.	RGT Planet	8,17	8,55	9,36	6,62	102,72	98,16	96,57	97,98	98,86	RGT Planet
3.	Laureate	7,20	8,70	9,68	6,87	90,55	99,86	99,92	101,58	97,98	Laureate
4.	Firefoxx	8,73	9,03	9,29	7,09	109,75	103,70	95,89	104,84	103,54	Firefoxx
5.	Katniss	6,73	8,82	8,75	6,95	84,70	101,26	90,27	102,83	94,77	Katniss
6.	Lexy	8,42	8,57	9,23	6,77	105,93	98,42	95,21	100,17	99,93	Lexy
7.	Skyway	7,32	8,49	9,06	6,67	92,07	97,50	93,48	98,68	95,43	Skyway
8.	Amidala	-	8,41	-	-		96,61			96,61	Amidala
9.	Klarinette	-	8,22	-	-		94,40			94,40	Klarinette
10.	KWS Thalís	6,74	8,36	8,94	7,01	84,73	95,94	92,27	103,64	94,14	KWS Thalís
11.	Florence	8,66	9,49	9,74	7,28	108,90	108,93	100,50	107,66	106,50	Florence
12.	Shetty	8,26	8,73	8,91	7,06	103,92	100,26	91,95	104,43	100,14	Shetty
13.	Yoda	8,35	9,00	9,04	6,97	105,01	103,35	93,30	103,11	101,19	Yoda
14.	SY Solar	-	8,96	-	-		102,90			102,90	SY Solar
15.	Prospect	8,12	8,43	8,87	6,59	102,13	96,78	91,54	97,49	96,99	Prospect
16.	Annika	7,37	8,76	9,31	6,33	92,75	100,59	96,08	93,65	95,77	Annika
17.	Wish	7,82	8,76	9,16	7,36	98,36	100,63	94,52	108,92	100,61	Wish

UK: 2023 AHDB Recommended List



Spring barley 2023

Yield, agronomy and disease resistance



	Florence	SY Tennyson	Skyway	Sun King	Diviner	SY Signet	KWS Oursis	Finelox	Laureate	LG Diablo	RGT Planet	KWS Sassy	Fairing	Hurlier	Cadiz	Malvem	Prospect	Described variety	Average LSD (5%)	
	Maltng varieties												Feed varieties				CB Score ¹			
End-use group	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	Sp	UK	E&W	W	UK	UK Null-Lox		
Scope of recommendation	NEW	NEW		NEW	NEW	NEW	NEW		C	C	C			NEW	*	*	*			
Variety status	NEW	NEW		NEW	NEW	NEW	NEW		C	C	C			NEW	*	*	*			
Fungicide-treated grain yield (% treated control)																				
United Kingdom (7.5 t/ha)	105	105	105	104	104	104	104	103	103	101	98	97	93	107	103	103	102	101	2.3	
East region (7.5 t/ha)	106	107	106	104	104	105	105	103	103	102	99	96	93	108	104	103	103	101	3.3	
West region (7.3 t/ha)	[106]	[104]	106	[107]	[104]	[103]	[103]	104	104	101	98	98	94	[108]	106	105	102	101	3.8	
North region (7.8 t/ha)	104	106	102	103	105	105	103	103	102	102	99	98	92	106	100	102	101	101	2.8	
Untreated grain yield (% treated control)																				
United Kingdom (7.5 t/ha)	95	92	94	96	92	95	93	92	94	92	89	89	84	94	92	94	92	92	2.9	
Agronomic features																				
Resistance to lodging without PGR (1-9)	[8]	[7]	7	[8]	[8]	[8]	[8]	7	6	7	7	6	8	[9]	7	8	7	7	1.1	
Straw length without PGR (cm)	[69]	[69]	75	[72]	[67]	[71]	[69]	69	70	71	73	78	70	[65]	75	71	70	71	2.0	
Ripening (days +/- RGT Planet)	0	+1	+1	+1	+1	+1	+1	0	+1	+2	0	+1	-2	+1	0	+1	+1	+1	0.8	
Resistance to brackling (1-9)	9	7	7	9	9	8	9	8	8	8	8	6	8	9	8	8	9	8	0.8	
Disease resistance																				
Mildew (1-9)	8	9	9	9	9	9	9	9	9	9	8	9	8	8	9	9	9	9	0.7	
Brown rust (1-9)	5	4	4	6	5	5	4	4	5	5	5	5	5	4	4	5	5	5	1.1	
Rhynchosporium (1-9) - see note below	[6]	[3]	7	[4]	[3]	[5]	[7]	5	7	6	6	6	8	[6]	[5]	3	7	7	2.6	

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). Comparisons of variety performance across regions are not valid.

Ireland: Recommended List Trials 2022 n=10

Spring Barley Recommended List Trial 2022

	Variety	Yr	Agt	Breeder/ Country	Breeders Reference	Parentage	Yield		
							2022	2021	2020
1	RGT Planet ©	R	GC	RAGT UK	LSB0769.3306	Tamtam x Concerto	102	101	101
2	Gangway ©	R	GC	Sejet DK	SJ 136089	Zeppelin x (Natasia x Kathinka)	98	99	99
3	SY Errigal	R	ST	Syngenta UK	SY 415-544	Dragoon x Mickle	101	102	101
4	Geraldine	PR	GC	Sejet DK	SJ 176199	(KWS Irina x RGT Planet) x Laureate	103	108	102
5	SY Amity	PR	ST	Syngenta UK	SY 417-028	(SY 411-293 x Laureate) x RGT Planet	103	107	100
6	Skyway	PR	D	Nordic DK	NOS 112.430- 22	RGT Planet x NOS 2105-11	108	105	102
7	Rockway	C	D	Nordic DK	NOS 112.430- 16	RGT Planet x NOS 215-11	104	108	100
8	Spinner	C	GC	Secobra FR	SC 92295U	Laureate x Flyer	105	106	100
9	Gretchen	C	GC	Breun DE	Br13773gz1	KWS Cashmere x RGT Planet	103	107	100
10	SY Bronte	C	ST	Syngenta UK	SY 418-250	(SY Stanza x Ovation) x Laureate	105	104	(99)
11	SY Titanium	C	ST	Syngenta UK	SY 418-336	SY 415 612 x SY Stanza	105	108	(102)
12	Florence	C	ST	Breun DE	Br13773az3	KWS Cashmere x RGT Planet	107	110	(104)
13	Shetty	C	ST	Breun DE	Br14049h2	RGT Planet x KWS Cashmere	106	105	(101)

Poland COBORU 2020-2022 (a1=untreated)

Lp.	Odmiany		doświadczeń			poziom a1			poziom a2		
			2022	2021	2020	2022	2021	2020	2022	2021	2020
1		2			3			4			
	Wzorzec, dt z ha		53	51	56	69,7	64,0	65,4	76,1	72,4	74,7
<i>typ browarny</i>											
1	LG Belcanto (d. LGBN15018-36)	NL	36	(11)	(9)	104	99	106	104	103	110
2	RGT Planet	FR	53	51	56	99	99	101	99	100	102
3	Avus	DE	30	30	(9)	98	100	100	99	99	100
4	RGT Kepler	UK	36	36	(9)	98	99	103	99	101	106
5	KWS Jessie	DK	53	51	(9)	98	99	102	99	100	106
6	Amidala	DE	28	29	34	96	101	104	98	100	100
7	RGT Ylesia	UK		30	36		98	101		101	103
12	Florence (d. Br 13773az3)	DE	52	(11)	(9)	103	105	108	104	106	108
13	Bente	DE	32	30	37	103	106	102	103	105	103
14	Tilmor (d. DM 19-20)	PL	53	(11)	(9)	102	107	104	101	102	103

Denmark: FUT 2022

Variety	Grain yield (index)	Grain yield (hkg/ha)	Grain yield without funguscontrol (hkg/ha)	Barley Rust coverage (%)	Scald coverage (%)	Net and Spot blotch coverage (%)	Ramularia coverage (%)
n	7	7	4	6	2	5	5
Firefoxx	104	91,1	82,1	27	0,25	0	10
FLORENCE	103	90,8	80	16	3	0,12	4,8
Skyway	103	90,7	77	29	0,5	1	11
Laureate	103	90,6	82,6	16	3	0,2	6
LG Flamenco	102	89,7	77,2	31	2	9	11
SY Solar	102	89,3	77,8	23	6	0	8
KWS Thalix	101	88,5	78,4	20	0,5	11	1,4
RGT Planet	100	88,2	76,1	20	13	15	8
Prospect	100	88,2	75,8	21	0,5	0,6	8
Blanding, vårbyg	100	87,9	79,1	24	1	1,2	13

Denmark: FUT 2021

Variety	Grain yield (index)	Grain yield, (hkg/ha)	Grain yield without funguscontrol (hkg/ha)	Barley Rust coverage (%)	Scald coverage (%)	Net and Spot blotch coverage (%)	Ramularia coverage (%)
<i>n</i>	10	10	5	9	7	6	4
FLORENCE	105	76,5	66,9	11	8	4,3	5
GRETCHEN	105	76,5	67,9	7	1,5	2	8
Laureate	104	75,7	66,3	5	2,6	0,09	8
LG Flamenco	103	75	61,5	16	2,9	21	10
SHETTY	103	74,6	63,4	9	2,4	3	7
Skyway	103	74,9	63	21	7	4,1	18
SY Solar	103	75,3	61,8	14	4,4	0,5	25
YODA	102	74,1	66,3	9	3,2	0,12	13
KWS Thalix	101	73,6	62,4	8	1,9	9	9
LEXY	101	73,5	63,1	16	1,6	3,5	19
LG Belcanto	101	73,4	62	17	2,6	1,1	12
Prospect	101	73,5	64,2	10	1,7	1	14
Blanding, vårbyg	100	72,7	63,8	11	3,7	6	14
RGT Planet	98	71,6	61,6	12	2,2	18	13

→ *Best yield, good disease resistances*

SPAIN GEVES 2022

GENVCE

Tabla 26. Rendimiento e índice productivo medio respecto a los testigos PEWTER, CHRONICLE y RGT PLANET de las variedades de cebada de primavera ensayadas en la campaña 2021-2022, en el marco de la red preGENVCE. Medias ajustadas por mínimos cuadrados.

VARIEDAD	PRODUCCIÓN MEDIA (kg/ha)	ÍNDICE PRODUCTIVO (%)	GRUPO DE MEDIAS	NÚMERO DE ENSAYOS
LG ANDANTE	8132	112,8	a	11
YODA	7973	110,6	ab	11
FLORENCE	7959	110,4	ab	11
KWS THALIS	7824	108,5	ab	11
SY AMITY	7786	108,0	abc	11
LEXY	7628	105,8	abc	11
RGT PLANET *	7612	105,6	abc	13
AMIDALA	7420	102,9	bcd	12
CHRONICLE *	7141	99,1	cd	13
PEWTER *	6872	95,3	d	12
MEDIA	7635 kg/ha al 13% de humedad			
ÍNDICE 100	7209 kg/ha al 13% de humedad			
Nivel de significación de la variedad	<i>p</i> -valor <0,0001			
Coefficiente de variación	6,31%			

TYSTOFTE MALTING 2022 + 2021

2022

Maltningsgenskaber, vâbyg (VZ65°C, steeping degr. 45%)

Led	Sortskode	Sort	Ekstraktudbytte, % tørstof				Viskositet, mPa*s				Proteinindhold, % tørstof				Opløseligt nitrogen, mg/100 g tørstof				Kolbach indeks, %				FAN, mg/100g tørstof				Attenuation, %				Friabilitet, %				β-glucan, mg/l				α-amylase, DU/g tørstof				β-amylase, BU/g tørstof			
			Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.	Abdøjård	Sejlet	Sellested	Gns.				
		<i>Antal fs.</i>	2				2				2				2				2				2				2				2				2				2				2			
4	28037	RGT Planet	83.1	84.0	83.6	1.46	1.45	1.46	9.2	8.4	8.8	725	675	700	49	50	50	138	136	137	84.5	86.0	85.3	97	98	98	107	139	123	73	67	70	973	1033	1003											
7	29720	Laureate	83.7	84.3	84.0	1.45	1.42	1.44	9.4	8.4	8.9	726	642	684	48	48	48	152	128	140	84.9	85.1	85.0	97	98	98	151	93	122	72	66	69	945	852	899											
35	34459	Florence	84.0	83.6	83.8	1.48	1.46	1.47	9.5	8.9	9.2	633	627	630	42	44	43	126	117	122	84.3	83.8	84.1	94	93	94	179	238	209	62	57	60	842	822	832											

2021

Maltningsgenskaber, vâbyg (VZ65°C, steeping degr. 45%)

Led	Sortskode	Sort	Ekstraktudbytte, % tørstof				Viskositet, mPa*s				Proteinindhold, % tørstof				Opløseligt nitrogen, mg/100 g tørstof				Kolbach indeks, %				FAN, mg/100g tørstof				Attenuation, %				Friabilitet, %				β-glucan, mg/l				α-amylase, DU/g tørstof				β-amylase, BU/g tørstof			
			Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.	Abdøjård	Sejlet	Tyrstøffe	Gns.								
		<i>Antal fs.</i>	3				3				3				3				3				3				3				3				3				3				3			
3	27524	KWS Inra	81.8	82.8	82.9	82.5	1.50	1.46	1.42	1.46	9.0	8.8	8.6	8.8	672	560	640	624	47	40	46	44	139	112	130	127	85.7	84.3	88.8	86.3	95	97	98	97	170	122	68	120	47	41	37	42	932	817	937	895
4	28037	RGT Planet	82.2	82.6	82.0	82.3	1.47	1.48	1.43	1.46	9.2	9.2	8.3	8.9	684	635	624	648	47	43	47	46	130	126	121	126	87.0	85.6	87.8	86.8	97	97	98	97	56	133	53	81	56	51	44	50	926	796	900	874
7	29720	Laureate	82.8	83.6	84.0	83.5	1.52	1.44	1.42	1.46	9.1	8.5	8.3	8.6	706	633	631	657	48	47	47	47	157	129	126	137	87.4	85.1	88.7	87.1	95	99	98	97	168	96	96	120	46	46	48	47	883	756	796	812
55	34459	Br13773az3	83.3	83.2	83.8	83.4	1.49	1.48	1.42	1.46	8.7	8.9	8.3	8.6	640	604	625	623	46	43	47	45	125	117	127	123	83.9	85.6	89.2	86.2	94	93	98	95	130	178	87	132	45	42	48	45	776	659	860	755



DK: Summary Stress Test Danish Pref. 2022



Legend	Steeping degree target value	Extract, VZ65 [% dm]	Viscosity VZ 65°C (8,6) [mPa*s]	Protein content [% dm]	Soluble nitrogen VZ65 [mg/100 g dm]	Kolbach Index VZ65 [%]	FAN VZ65 [mg/100 g dm]	Turbidity VZ65 EBC	Wort color VZ65 [EBC]	Limit of attenuation VZ65 [%]	Friability [%]	Beta-Glucan (FIA/VZ 65°C) [mg/l]	Alpha-Amylase activity [DU/g dm]	Beta-Amylase activity [BU/g dm]	Limit Dextrinase Activity [PULLG6 U/g d	Vareity	Gelatinization temperature, barley [°C]
LAUREATE_45	45	83,5	1,5	9,2	645,5	44,0	124,5	2,0	3,8	83,2	96,0	194,5	65,0	847,0	0,205	LAUREATE_ABILDGÅRD	64,1
LAUREATE_43	43	83,6	1,5	9,1	614,5	42,5	112,5	2,2	3,8	82,6	92,5	308,0	57,0	807,5	0,175	LAUREATE_SEJET	65,2
LAUREATE_41	41	83,2	1,6	9,1	567,5	39,5	99,5	2,9	3,7	82,2	81,5	549,5	53,0	770,0	0,150	LAUREATE_TYSTOFTE	65,3
RGT PLANET_45	45	84,3	1,5	9,2	667,0	45,0	120,5	2,0	3,8	83,6	94,5	185,0	56,5	773,5	0,180	RGT PLANET_ABILDGÅRD	63,9
RGT PLANET_43	43	83,5	1,6	9,2	636,5	43,5	109,5	2,5	3,6	82,4	89,5	335,5	56,0	815,0	0,175	RGT PLANET_SEJET	64,0
RGT PLANET_41	41	82,7	1,7	9,3	590,5	40,0	108,0	2,7	3,4	82,1	79,0	558,5	52,0	828,5	0,170	RGT PLANET_TYSTOFTE	64,7
FLORENCE_45	45	83,1	1,5	9,3	604,5	40,5	118,0	2,0	3,7	82,9	89,5	236,5	53,0	679,5	0,200	FLORENCE_ABILDGÅRD	63,5
FLORENCE_43	43	83,2	1,6	9,1	573,5	39,5	105,0	2,4	3,7	82,8	85,5	506,0	47,0	700,0	0,180	FLORENCE_SEJET	63,9
FLORENCE_41	41	82,7	1,7	9,1	544,5	37,0	91,0	3,0	3,3	81,9	70,0	835,5	45,5	723,5	0,190	FLORENCE_TYSTOFTE	64,5

DK: Summary Stress Test Danish Pref. 2022

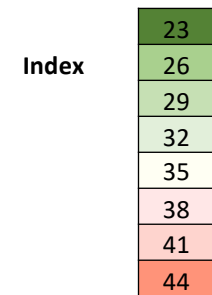
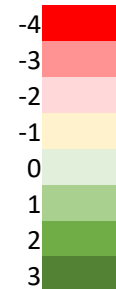
Feature	LAUREATE			RGT PLANET			FLORENCE		
Steeping degree target value	45	43	41	45	43	41	45	43	41
Extract, [% dm]	83,5	83,6	83,2	84,3	83,5	82,7	83,1	83,2	82,7
Viscosity (8,6) [mPa*s]	1,5	1,5	1,6	1,5	1,6	1,7	1,5	1,6	1,7
Protein content [% dm]	9,2	9,1	9,1	9,2	9,2	9,3	9,3	9,1	9,1
Soluble N [mg/100 g dm]	645,5	614,5	567,5	667	636,5	590,5	604,5	573,5	544,5
Kolbach Index [%]	44	42,5	39,5	45	43,5	40	40,5	39,5	37
FAN [mg/100 g dm]	124,5	112,5	99,5	120,5	109,5	108	118	105	91
Turbidity [EBC]	2	2,2	2,9	2	2,5	2,7	2	2,4	3
Wort colour [EBC]	3,8	3,8	3,7	3,8	3,6	3,4	3,7	3,7	3,3
Limit of attenuation [%]	83,2	82,6	82,2	83,6	82,4	82,1	82,9	82,8	81,9
Friability [%]	96	92,5	81,5	94,5	89,5	79	89,5	85,5	70
Beta-Glucan (FIA)[mg/l]	194,5	308	549,5	185	335,5	558,5	236,5	506	835,5
Alpha-Amylase [DU/g dm]	65	57	53	56,5	56	52	53	47	45,5
Beta-Amylase [BU/g dm]	847	807,5	770	773,5	815	828,5	679,5	700	723,5
Limit Dextrinase [PULL G6 U/g]	0,205	0,175	0,15	0,18	0,175	0,17	0,20	0,18	0,19
Variety	LAUREATE_ABI LDGÅRD	LAUREATE_ SEJET	LAUREATE_ TYSTOFTE	RGT PLANET_ ABILDGÅRD	RGT PLANET_ _SEJET	RGT PLANET_ TYSTOFTE	FLORENCE_ABI LDGÅRD	FLORENCE_ SEJET	FLORENCE_ TYSTOFTE
Gelatinization temp., barley [°C]	64,1	65,2	65,3	63,9	64	64,7	63,5	63,9	64,5

Mashing program: Isothermal 65°C all

Danish Preferred - Stress test

Index Result

	Laureate_45	Laureate_43	Laureate_41	RGT Planet_45	RGT Planet_43	RGT Planet_41	Florence_45	Florence_43	Florence_41
Extract	3	3	4	1	3	5	4	4	5
Friability	1	1	3	1	2	4	2	3	5
Beta-Glucan	1	2	3	1	2	3	1	3	5
Viscosity	1	1	3	1	2	4	1	2	4
FAN	1	3	4	2	3	3	2	4	5
Soluble N	2	3	4	1	2	3	3	4	5
Kolback	2	3	4	1	2	4	4	4	5
FAN dev.*	3%	-1%	1%	-1%	-2%	10%	0%	4%	12%
Soluble N dev.*	2%	3%	4%	1%	2%	3%	3%	4%	5%
Kolback dev.*	2%	3%	4%	1%	2%	4%	4%	4%	5%
Proteolyse compared to modification	As expected			3 % higher			2 % higher		
Alpha-Amylase	1	2	3	2	2	3	3	4	4
Beta-Amylase	1	2	3	2	2	1	5	4	4
Limit Dextrinase	2	3	4	3	3	3	2	3	2
Attenuation	3	4	5	2	4	5	3	4	5
Turbidity	1	1	2	1	1	1	1	1	2
Index **	12	14	20	8	15	21	16	19	24
Index mean ***	29			26			37		



DK: Stress Test – Interpretation FLORENCE

- FLORENCE suits for traditional malting regimes
- Consistent extract over all steep out moistures
- Friability sufficient in with 45/43% humidity
- Limit dextrinase slightly higher
- Gelatinization temperature slightly better than control varieties



Intern. malting/brewing results FLORENCE

- FLORENCE has medium to lower modification, but well balanced proteolyse-, cytolysse-, amylase-level
- FLORENCE suits for traditional malting regimes and has no problems regarding filtration, turbidity, etc. at breweries so far
- Consistent very high extract over all steep out moistures
- Limit dextrinase slightly higher than standards
- Gelatinization temperature slightly better than control varieties

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