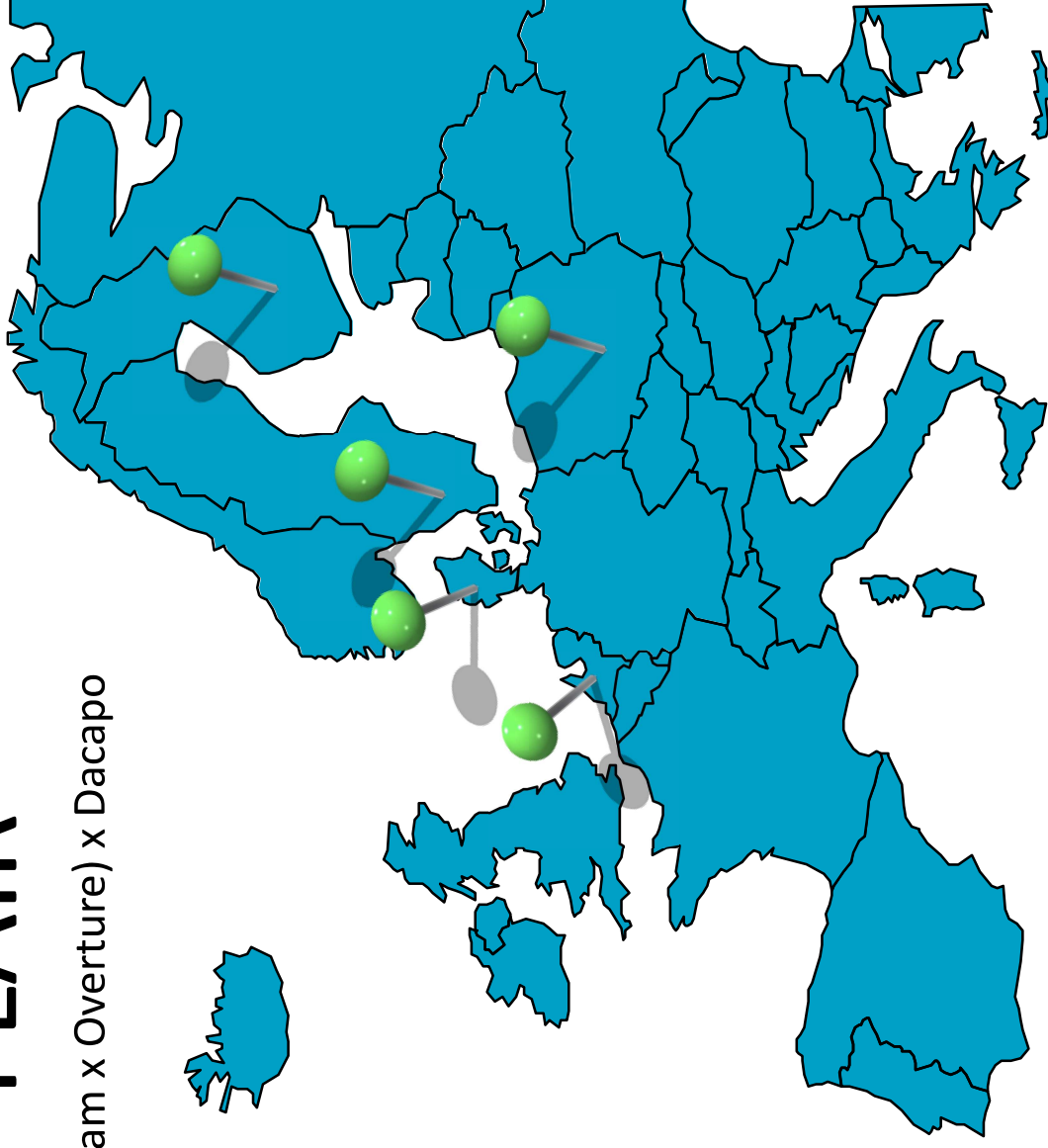



sejet


planteforædling

FLAIR

(Tamtam x Overture) x Dacapo

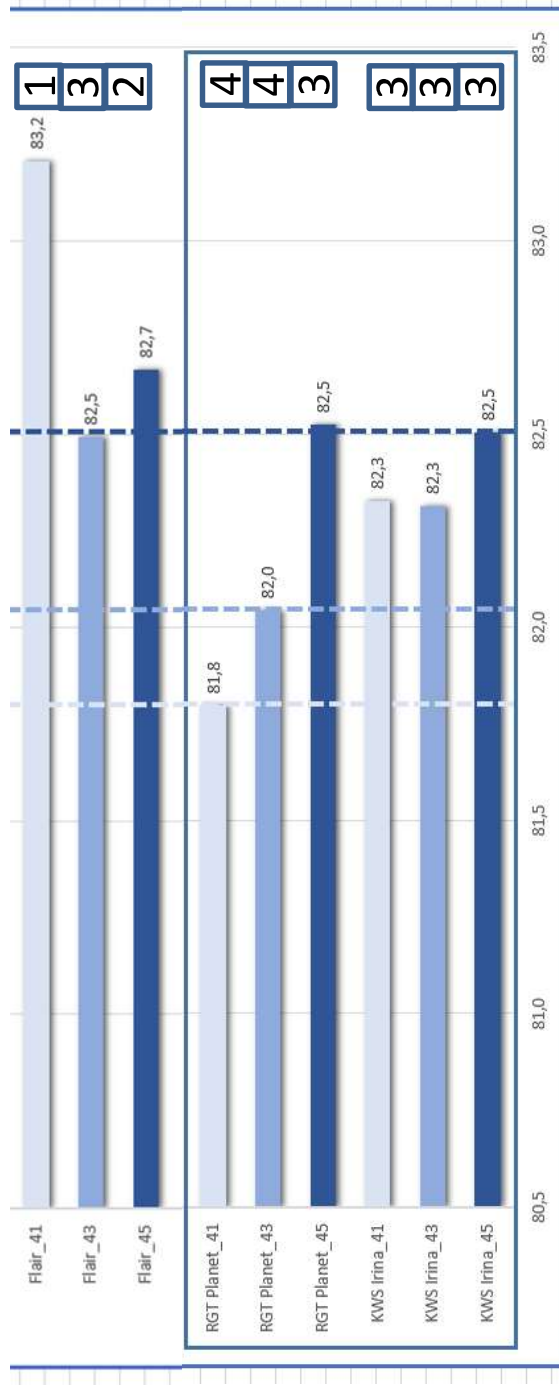


FÖRSÖKSLED	Mean T	
	→	←
	Skörd	
	Kärna	
	15%v/h	
	2017	
	kg/ha	Rel. Antal
	→	←
SI 164377 (SSd)	9430	107
NOS 110.352-51 (NSd)	9390	106
Ellinor (SSd)	9350	106
Cosmopolitan (SI 152037) (SSd)	9340	106
Flair (SI 148124) (SSd)	9290	105
SY 415884 (Lml)	9320	105
RGT Planet (Lml)	9280	105
Laureate (SY 412-328) (Lml)	9260	105
Dragoon (Lml)	9190	104
Scholar (SSd)	9170	104
Diabolo (Lml)	9200	104
SY 415653 (Lml)	9200	104
Bente (NORD 13/1114) (SSd)	9240	104
Nabuco (LGBN 1315) (Lml)	9170	104
SI 164136 - Applaus	9230	104
Highway (NOS 19339-81) (NSd)	9190	104
Acorn (SSd)	9080	103
KWS Fantex (SSd)	9100	103
Contender (SC40587N5) (Lml)	9080	103
NORD 15/2448 (SSd)	9140	103
SI 164419	9150	103
Hambo (Nord 13/2330) (SSd)	9040	102
SW C12-6316	9070	102
SW C12-1743	9040	102
Thermus (SI 111703) (SSd)	8930	101
RGT Elysium (Lml)	8930	101
Mariposa (Br 12488hz1) (SSd)	8960	101
RP15010 (RAGT)	8940	101
SY 41496 (Lml)	8970	101
SC 32733 P4 (Lml)	8910	101
RP15033 (SSd)	8950	101
SC 101-12E (Lml)	8850	100
Fairytales (SSd)	8840	100
KWS Canton (Lml)	8880	100
Anakin (SSd)	8860	100
Broadway (NOS 19103-59) (NSd)	8860	100
Crescendo (SC 35763 M2) (Lml)	8850	100
Salome (08/2413) (SSd)	8870	100
Olympus (Lml)	8870	100
KWS Irina (SSd)	8820	100
Vårkorn Syntetisk mätare	8850	100
SW C13-3122	8880	100
SW C13-3272	8820	100
Luhlas (390J) (SSd)	8830	100
Tamiam (Lml)	8680	98
Propino (Lml)	8560	97
Vilgett 2r (SWA 01448)	8480	96
SW Makor (2615)	8220	93
Briorn (SW 57065)	8110	92

Sort	Gns. 2 år	Alle år	Udbytte (t/ha)				
			2017	2016	2015	2014	2013
	Gns.	Gns.	2017	2016	2015	2014	2013
Applaus	103	103	104	102			
Blanding	100	100	100	100	100	100	100
Champ null-lox	101	101	100	102			
Chanson null-lox	100	101	102	99	102		
Cosmopolitan	102	103	103	101	105		
Crossway	99	101	99	99	101	100	105
Ellinor	103	103	105	101			
Embrace	104	104	105	102	104		
Flair	102	104	102	102	103	109	
KWS Beckie	100	102	101	99	102	106	
KWS Canton	101	102	100	101	101	103	105
KWS Fantex	100	101	101	99	95	107	
KWS Irina	98	101	99	98	100	103	103
Laureate	104	105	105	103	105	105	
Prospect	102	102	104	101	102		
RGT Planet	103	104	103	102	103	104	106
Rotator	104	104	105	103			

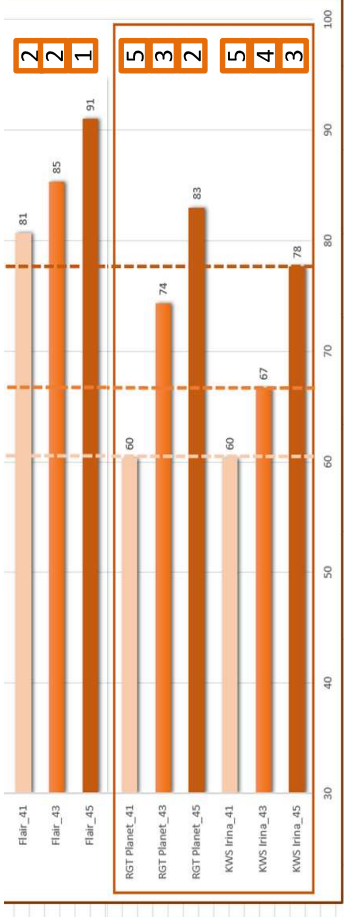


FLAIR - EXTRACT

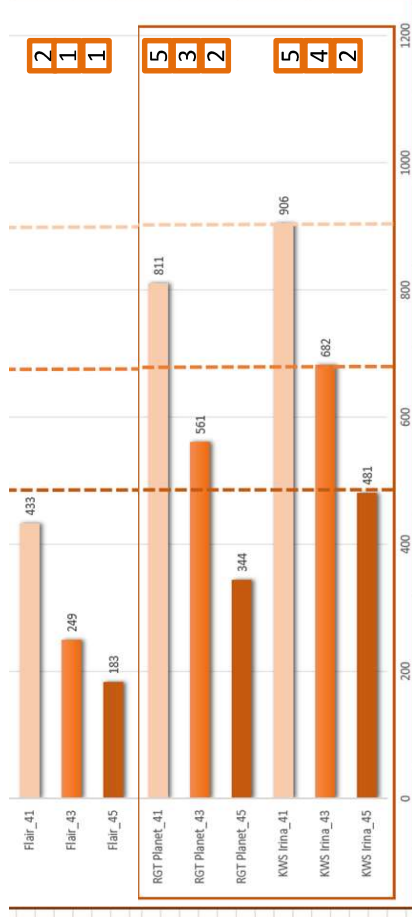


FLAIR - CYTOLYSIS

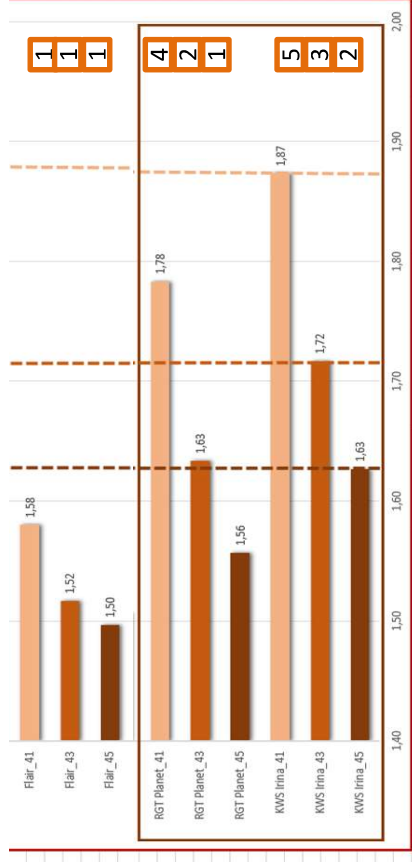
FRIABILITY



BETA-GLUCAN

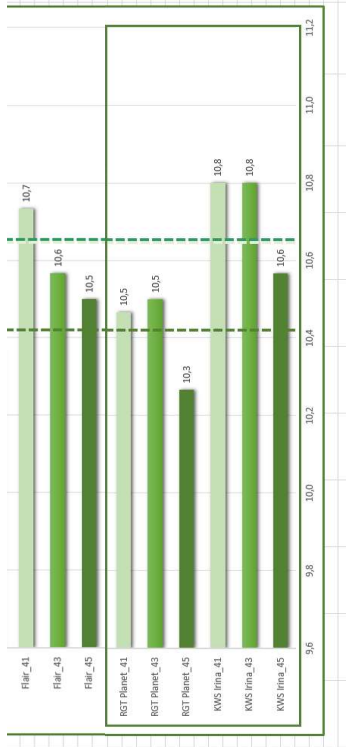


VISCOSITY

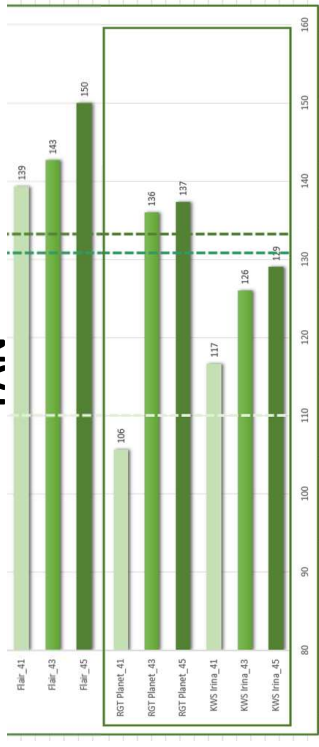


FLAIR - PROTEOLYSIS

PROTEIN MALT



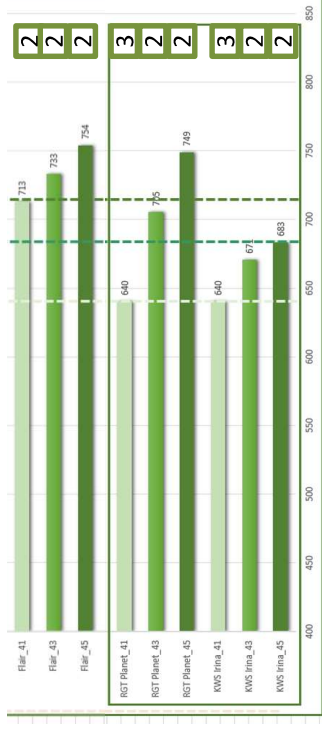
FAN



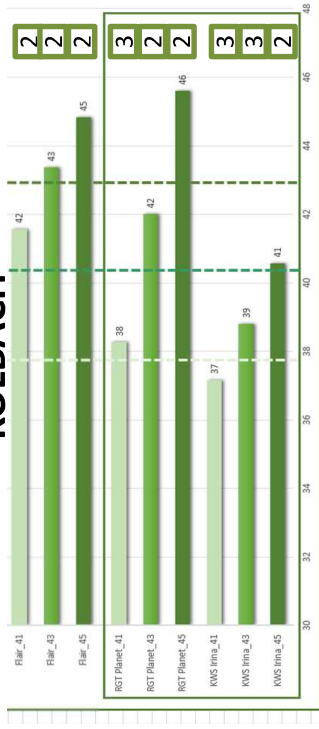
WORT COLOR



SOL N

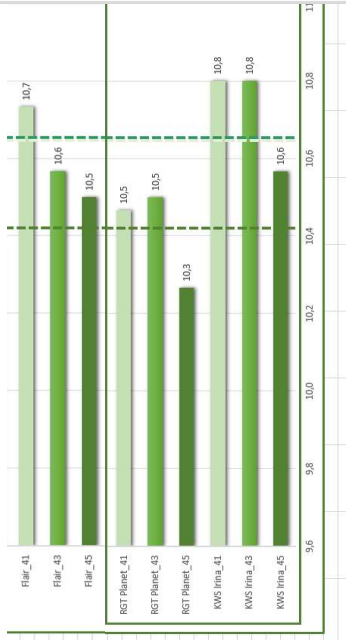


KOLBACH

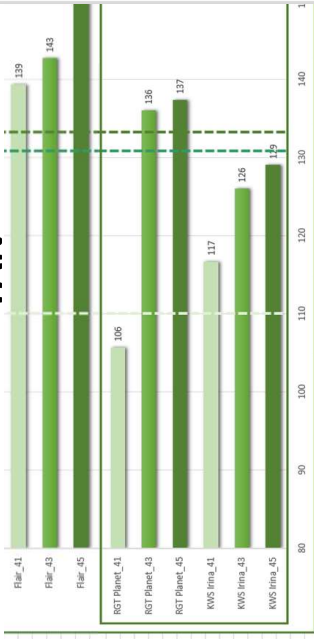


FLAIR - PROTEOLYSIS

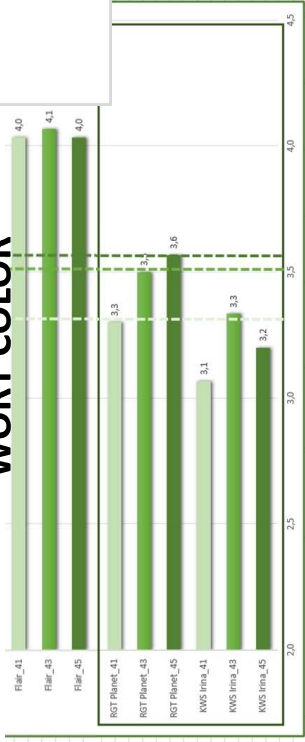
PROTEIN MALT



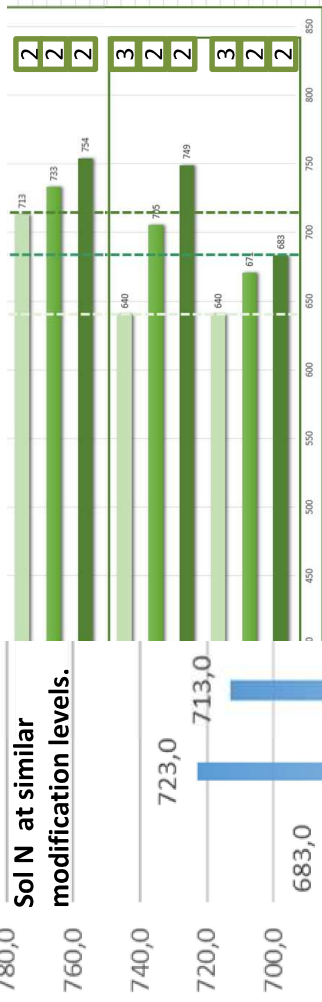
FAN



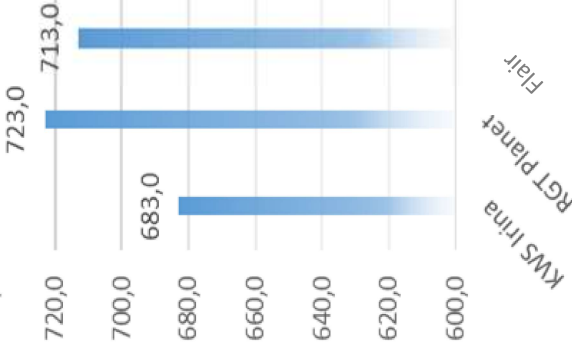
WORT COLOR



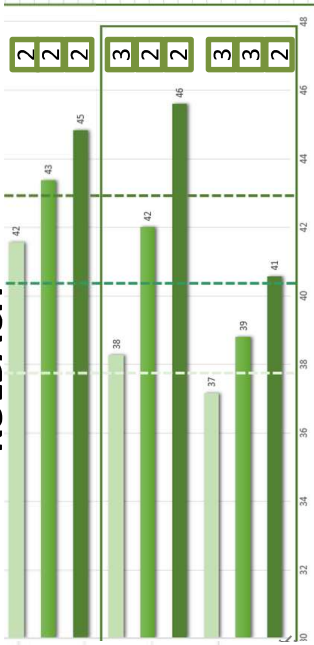
SOL N



Sol N at similar modification levels.

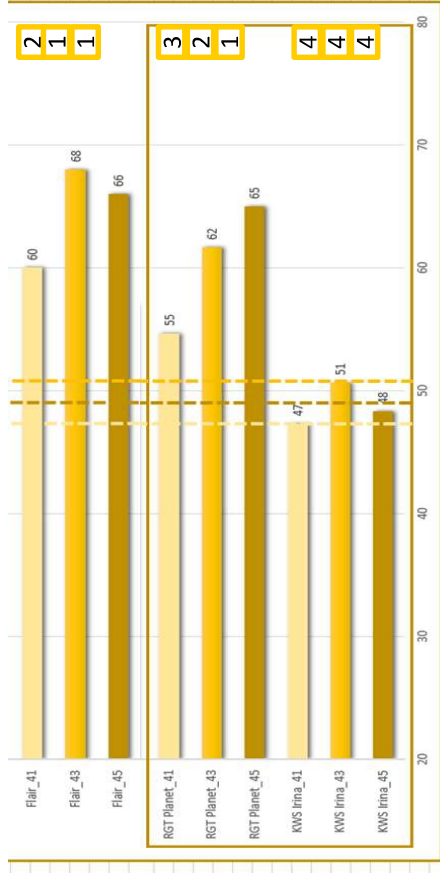


KOLBACH

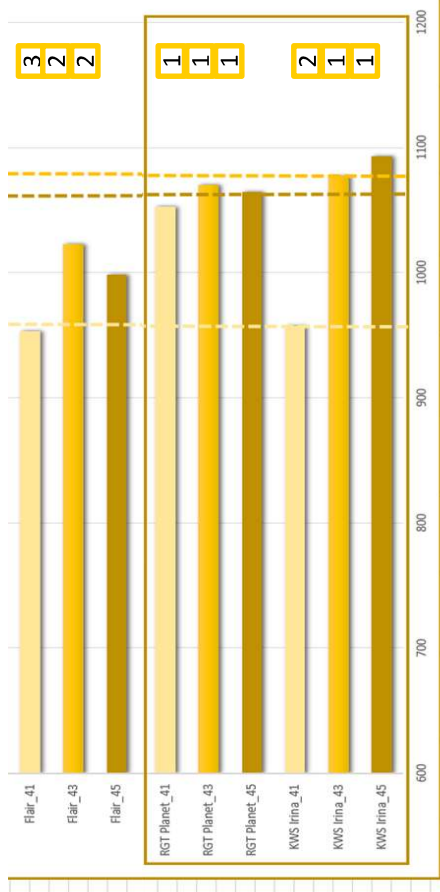


FLAIR - AMYLOLYSIS

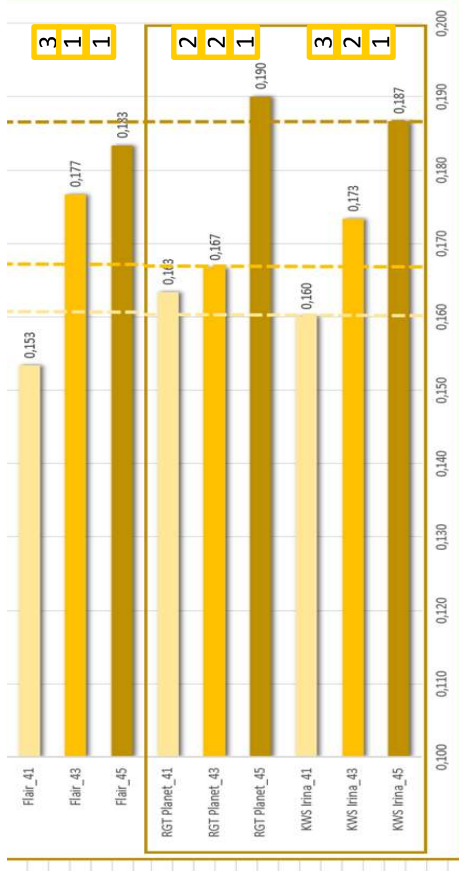
ALFA-AMYLASE



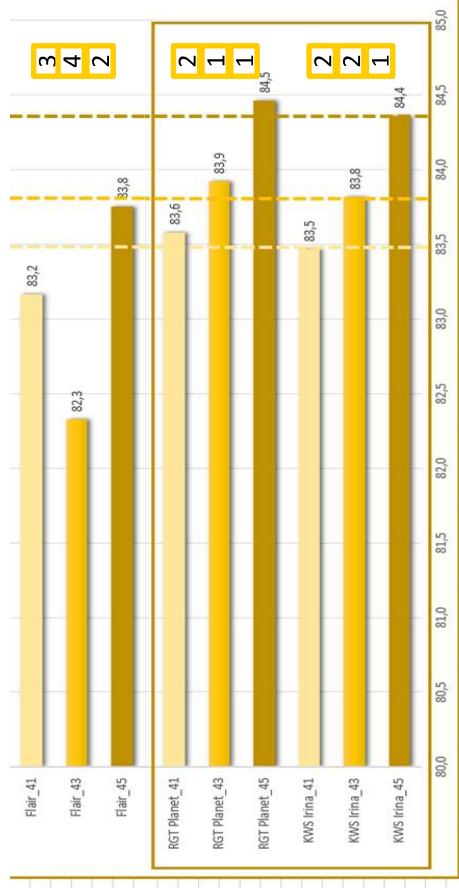
BETA-AMYLASE



LIMIT DEXTRINASE



FINAL ATTENUATION



FLAIR – MALTING RESULTS TYSTOFTE 2014 OG 2015

Sort	Proteinindhold					Sortering, pct kerner >2,5 mm					Viskositet, cP			Beta-glucan, mg/l			Ekstrakt, pct			Proteinindhold, pct			Opløselig N, mg/100g dm			Kolbach Index, pct			Friabilitet, pct			Slutforgæring, pct												
	Lok 1	Lok 2	Lok 3	Lok 4	Lok 5	Gns	Lok 1	Lok 2	Lok 3	Lok 4	Lok 5	Gns	Lok 1	Lok 2	Lok 3	Gns	Lok 1	Lok 2	Lok 3	Gns	Lok 1	Lok 2	Lok 3	Gns	Lok 1	Lok 2	Lok 3	Gns	Lok 1	Lok 2	Lok 3	Gns												
Congress Mash																																												
2014	9,8	10,4	9,1	9,1	10,6	9,8	97	96	98	97	98	97	1,51	1,55	1,43	1,50	149	114	50	104	83,6	83,7	83,1	83,5	9,2	8,5	9,1	8,9	664	677	744	695	45	50	51	49	96	96	99	97				
2014	9,0	10,4	9,6	8,9	10,2	9,6	95	93	97	93	97	95	1,46	1,50	1,43	1,46	62	148	50	87	82,5	84,3	82,8	83,2	9,6	8,8	9,1	9,2	692	680	701	691	45	48	48	47	96	96	96	98	97			
Isoterm mæsk 65°C																																												
2015	9,6	7,9	8,2	8,9	9,8	8,9	97	95	98	98	97	97	1,49	1,46	1,47	1,47	127	50	63	80	85,1	84,3	84,9	84,8	7,1	8,3	8,6	8,0	576	642	720	646	51	49	53	51	96	98	98	97	88,3	88,3	87,6	88,1
2015	9,8	7,8	7,7	8,4	9,6	8,7	96	95	96	96	93	95	1,46	1,42	1,44	1,44	78	50	59	59	85,4	82,6	84,7	84,2	6,8	7,6	8,5	7,6	557	599	712	623	51	49	53	51	99	98	99	99	87,3	89,0	88,5	88,3



Analyse Nr. 8103 Dato: 30-06-2017
 Produktion: 16-3218
 Artikel: Pilsnermalt
 Sorte: Flair
 Kølle: 3 30-06-2017
 Leverandør: DLG Odense

INDUSTRIAL TEST - FLAIR

Fuglsang 2017

Vandindhold	%	4,1
Ekstrakt, fimmel (tørstof)	%	83,3
Ekstrakt, fimmel (lufttør)	%	79,9
Urtens farve	EBC	3,8
Protein (tørstof)	% TS	10,2
Opløselig N	% TS	0,76
Kolbach Index	%	46
Betaglucan	mg/l	56
Friabilitet	%	88
Glassede kerner	%	0,2
PUG - Delvis glassede kerner	%	0,4
Modifikation (Calcoflour)	%	98
Homogenitet (Calcoflour)	%	93
O-Test	g	0
Diastatisk Kraft	%	0
Hartong index VZ 45°C	%	0,0
Kogefarve	EBC	6,3
Viskositet (8,6% urt)	mPa's	1,49
Mæskens Lugt	1	1
Urtens frøløb	1	1
Urtens klarhed	%	0,7
Ekstrakt difference	min.	10
Forsuringstid	min.	6,07
Urtens pH	%	0,0
Ekstrakt 0,7 mm grovskrå	%	0,0
Suiforgæingsgrad	%	0,0
PSY (Potential Spirit Yield)	LA/ho	0
GN	g	0,00
Sortering > 2.8 mm	%	94,6
Sortering 2.5-2.8 mm	%	4,7
Sortering 2.2-2.5 mm	%	0,6
Bundsold	%	0,1
Støv	%	0,0
Spectrofotometer Farve	EBC	4,3
Spectrofotometer Kogefarve	EBC	6,7
Bladspire 0%	%	0
Bladspire <25%	%	3
Bladspire <50%	%	8
Bladspire <75%	%	78
Bladspire <100%	%	11
Bladspire over 100% Husarer!	%	0
Kommentar	kg	55,8
Hektolitenvægt	mg/l	0
FAN [mg/l]	mg/kg	1,8
DMS-Precursor	ppb	0,8
NDMA		

FUGLSANG CONCLUSION

” It is a good malting variety with good results

high extract, good color, fine Sol.
N. etc. ”



FLAIR – SUMMARY

High extract

Fast and efficient modification

High amylolysis activity

Good final attenuation

	KWS Irina_45	KWS Irina_43	KWS Irina_41	RGT Planet_45	RGT Planet_43	RGT Planet_41	Fair_45	Fair_43	Fair_41
Extract	3	3	3	3	4	4	2	3	1
Friability	3	4	5	2	3	5	1	2	2
Beta-Glucan	2	4	5	2	3	5	1	1	2
Viscosity	2	3	5	1	2	4	1	1	1
FAN	2	2	3	2	2	3	3	3	2
Soluble N	2	2	3	2	2	3	2	2	2
Kolbach	2	3	3	2	2	3	2	2	2
Alpha-Amylase	4	4	4	1	2	3	1	1	2
Beta-Amylase	1	1	2	1	1	1	2	2	3
Limit Dextrinase	1	2	3	1	2	2	1	1	3
Attenuation	1	2	2	1	1	2	2	4	3
Turbidity	1	2	1	3	4	3	3	3	2

