

Chopin Alveograph and Wet Gluten Survey results (Harvest 2022)



The AHDB Cereals & Oilseeds annual Chopin Alveograph and Wet Gluten Survey uses samples of **ukp** and **uks** varieties that meet the physical classification specification. The varieties surveyed and the **ukp** and **uks** specifications are shown at the end of this report.



							Chopin Alveograph Results					
Variety	Region	Moisture Content	Specific Weight	Protein Content	Hagberg Falling Number	Wet Gluten Weight	P	L	P/L	W	G	le
CRUSOE	Bedfordshire	14.6	80.6	12.0	299	24.9	79	99	0.80	206	22.1	44.6
CRUSOE	Bedfordshire	13.5	84.0	12.6	300	25.7	70	67	1.04	166	18.2	51.9
CRUSOE	Bedfordshire	11.7	81.4	12.2	260	25.8	100	64	1.56	220	17.8	48.3
CRUSOE	Berkshire	12.6	82.5	11.9	313	26.7	82	61	1.34	166	17.3	43.9
CRUSOE	Cambridgeshire	13.4	83.0	12.8	325	29.1	69	70	0.99	165	18.6	51.0
CRUSOE	Cambridgeshire	12.6	77.5	12.6	310	25.9	86	116	0.74	277	23.9	52.1
CRUSOE	Dorset	13.6	82.1	11.5	330	25.2	62	118	0.53	191	24.1	48.0
CRUSOE	Essex	12.4	83.3	12.9	340	27.8	66	117	0.56	229	24.0	54.0
CRUSOE	Gloucestershire	12.6	83.2	11.5	300	23.2	61	115	0.53	180	23.8	45.6
CRUSOE	Hampshire	13.0	82.3	12.0	401	22.0	89	52	1.71	158	16.0	39.0
CRUSOE	Hertfordshire	12.8	83.5	12.5	310	27.2	71	121	0.59	246	24.4	53.4
CRUSOE	Kent	13.5	80.6	12.3	415	26.9	77	97	0.79	223	21.9	52.0
CRUSOE	Kent	13.2	81.7	12.4	393	24.0	80	62	1.29	172	17.5	47.8
CRUSOE	Northamptonshire	14.0	84.5	12.7	271	26.2	67	83	0.81	161	20.2	45.5
CRUSOE	Northamptonshire	13.8	83.3	12.0	291	27.8	78	124	0.63	256	24.7	50.1
CRUSOE	Nottinghamshire	12.5	82.9	12.9	334	26.7	71	102	0.70	227	22.4	55.0
CRUSOE	Nottinghamshire	12.8	82.3	12.8	310	26.4	83	94	0.88	243	21.5	53.6
CRUSOE	Nottinghamshire	15.5	80.8	11.6	299	22.2	76	81	0.94	193	20.0	47.9

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CRUSOE	Oxfordshire	13.1	81.7	13.0	334	28.5	99	92	1.08	289	21.3	54.0
CRUSOE	Oxfordshire	12.8	82.0	12.8	328	27.8	83	62	1.34	178	17.5	47.7
CRUSOE	Staffordshire	12.6	78.5	12.9	328	26.3	82	63	1.30	176	17.6	46.7
CRUSOE	Suffolk	12.0	82.2	11.8	280	25.9	79	108	0.73	242	23.1	50.7
CRUSOE	Wiltshire	12.4	83.3	12.3	398	22.9	84	78	1.08	202	19.6	48.0
CRUSOE	Wiltshire	13.4	83.3	12.0	370	25.1	87	62	1.40	180	17.5	45.2
AVERAGE		13.1	82.1	12.3	327	25.8	78	88	0.97	206	20.6	49.0
EXTASE	Bedfordshire	12.5	80.9	12.4	325	25.5	91	103	0.88	297	22.5	56.1
EXTASE	Bedfordshire	13.0	80.0	11.5	300	18.8	67	83	0.81	171	20.2	47.7
EXTASE	Bedfordshire	13.0	84.1	12.5	315	27.0	69	92	0.75	214	21.3	57.1
EXTASE	Bedfordshire	12.9	83.9	11.1	310	20.9	67	65	1.03	154	17.9	50.8
EXTASE	Berkshire	12.7	83.9	11.4	366	24.3	78	85	0.92	215	20.5	52.6
EXTASE	Cambridgeshire	12.2	83.9	11.9	321	25.5	67	117	0.57	234	24.0	54.0
EXTASE	Dorset	13.9	82.0	11.6	337	22.1	75	101	0.74	243	22.3	55.7
EXTASE	Essex	12.5	83.4	12.4	350	26.1	70	101	0.69	237	22.3	58.7
EXTASE	Essex	11.0	85.3	11.4	325	22.6	72	116	0.62	243	23.9	53.3
EXTASE	Essex	10.9	82.2	11.4	330	24.6	77	91	0.85	223	21.2	53.0
EXTASE	Gloucestershire	13.1	83.7	12.2	349	23.5	68	117	0.58	234	24.0	53.6
EXTASE	Hampshire	15.4	83.2	12.1	308	24.8	96	85	1.13	276	20.5	56.2
EXTASE	Hampshire	12.5	82.7	11.5	392	21.9	77	69	1.12	185	18.4	51.8
EXTASE	Hertfordshire	11.8	83.7	11.5	260	22.8	73	99	0.74	237	22.1	55.9
EXTASE	Kent	12.4	83.6	11.9	347	23.9	63	120	0.53	222	24.3	54.8
EXTASE	Kent	13.7	83.2	12.0	364	23.4	71	100	0.71	236	22.2	56.8
EXTASE	Nottinghamshire	11.9	79.4	11.2	316	21.8	67	101	0.66	205	22.3	52.3
EXTASE	Oxfordshire	13.0	82.1	11.7	348	23.8	70	91	0.77	200	21.2	52.1
EXTASE	Suffolk	12.5	82.6	11.0	310	23.3	57	115	0.50	188	23.8	52.4

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EXTASE	Surrey	12.6	80.3	13.0	407	28.9	80	126	0.63	307	24.9	58.1
EXTASE	West Sussex	13.4	84.4	11.6	347	21.9	69	100	0.69	217	22.2	53.6
EXTASE	Wiltshire	11.7	85.2	11.7	310	19.2	72	101	0.71	230	22.3	54.5
EXTASE	Wiltshire	12.3	83.6	11.6	378	24.1	94	64	1.47	217	17.8	52.7
EXTASE	Worcestershire	14.0	80.0	11.5	300	24.1	82	92	0.89	248	21.3	54.8
AVERAGE		12.7	82.8	11.8	334	23.5	74	97	0.79	226	21.8	54.1
KWS SISKIN	Berkshire	12.9	78.5	12.7	371	27.5	69	94	0.73	191	21.5	48.1
KWS SISKIN	Cambridgeshire	13.3	77.3	12.9	283	27.0	56	120	0.47	175	24.3	47.9
KWS SISKIN	East Sussex	13.1	80.3	13.1	374	24.4	87	90	0.97	268	21.1	56.3
KWS SISKIN	Essex	11.9	81.3	11.3	320	23.0	71	83	0.86	177	20.2	47.0
KWS SISKIN	Essex	12.3	82.7	12.5	340	27.4	66	125	0.53	239	24.8	54.3
KWS SISKIN	Gloucestershire	13.1	79.2	11.3	394	21.7	67	86	0.78	169	20.6	44.6
KWS SISKIN	Hampshire	13.3	76.0	14.5	380	32.7	51	182	0.28	215	29.9	51.2
KWS SISKIN	Hampshire	13.4	80.5	10.7	352	21.1	60	88	0.68	150	20.8	43.6
KWS SISKIN	Hertfordshire	13.3	79.4	10.5	350	20.2	58	99	0.59	165	22.1	47.4
KWS SISKIN	Kent	12.7	78.3	12.5	294	26.2	57	109	0.52	176	23.2	49.8
KWS SISKIN	Kent	13.4	79.1	11.5	361	22.4	63	94	0.67	165	21.5	44.3
KWS SISKIN	Lincolnshire	12.9	79.8	10.9	321	19.6	58	90	0.64	147	21.1	44.3
KWS SISKIN	Norfolk	12.1	80.1	11.7	320	25.3	55	141	0.39	184	26.4	46.1
KWS SISKIN	Norfolk	11.7	80.0	10.4	370	19.7	54	100	0.54	145	22.2	44.7
KWS SISKIN	Northamptonshire	13.2	80.3	11.0	315	18.6	52	93	0.56	132	21.4	43.7
KWS SISKIN	Northamptonshire	13.6	80.0	11.0	350	19.8	51	110	0.46	148	23.3	45.9
KWS SISKIN	Oxfordshire	12.5	78.9	11.8	334	24.9	54	108	0.50	140	23.1	41.3
KWS SISKIN	Oxfordshire	13.5	82.5	11.5	368	23.3	76	102	0.75	212	22.4	46.2
KWS SISKIN	Oxfordshire	12.2	81.2	12.1	365	24.6	82	73	1.12	184	19.0	44.3
KWS SISKIN	Oxfordshire	13.9	81.0	10.4	337	19.0	70	73	0.96	159	19.0	44.2

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KWS SISKIN	Somerset	13.1	81.5	11.1	376	22.7	52	74	0.70	111	19.1	40.8
KWS SISKIN	Suffolk	12.9	79.5	11.0	310	20.6	63	98	0.64	173	22.0	46.5
KWS SISKIN	Suffolk	13.1	77.8	11.2	290	22.7	59	111	0.53	175	23.4	46.7
AVERAGE		12.9	79.8	11.6	342	23.2	62	102	0.65	174	22.3	46.5
KWS ZYATT	Berkshire	10.8	81.0	11.3	289	26.2	68	87	0.78	181	20.7	49.0
KWS ZYATT	Berkshire	14.1	85.4	12.1	370	27.5	65	121	0.54	224	24.4	52.2
KWS ZYATT	Buckinghamshire	13.7	82.5	12.7	325	26.7	66	119	0.55	215	24.2	50.2
KWS ZYATT	Cambridgeshire	11.9	82.5	12.8	363	28.8	48	174	0.28	193	29.3	49.5
KWS ZYATT	Cambridgeshire	11.9	83.7	12.3	290	27.1	59	119	0.50	193	24.2	50.1
KWS ZYATT	Dorset	13.0	82.5	11.5	320	23.9	55	123	0.45	175	24.6	47.8
KWS ZYATT	East Sussex	15.6	82.7	11.2	353	21.7	55	121	0.45	190	24.4	52.3
KWS ZYATT	Essex	11.4	84.5	11.5	349	24.9	56	124	0.45	198	24.7	53.2
KWS ZYATT	Essex	12.7	82.3	12.8	330	28.6	72	127	0.57	260	25.0	54.1
KWS ZYATT	Essex	12.7	80.6	13.1	360	29.4	71	79	0.90	193	19.7	54.8
KWS ZYATT	Gloucestershire	13.0	81.5	11.0	300	18.6	60	83	0.72	154	20.2	48.6
KWS ZYATT	Hampshire	13.0	83.1	11.6	328	26.4	72	103	0.70	209	22.5	49.4
KWS ZYATT	Herefordshire	11.8	82.6	11.4	361	25.6	62	105	0.59	189	22.7	49.6
KWS ZYATT	Herefordshire	12.6	80.6	13.0	300	29.7	72	114	0.63	248	23.7	55.5
KWS ZYATT	Kent	13.4	83.2	12.7	373	26.3	59	151	0.39	236	27.3	53.9
KWS ZYATT	Norfolk	13.0	82.3	11.4	320	25.2	54	132	0.41	184	25.5	50.0
KWS ZYATT	Northamptonshire	13.0	80.5	11.3	341	21.4	69	90	0.77	190	21.1	50.0
KWS ZYATT	Oxfordshire	12.4	80.2	12.3	290	27.5	78	117	0.67	267	24.0	54.2
KWS ZYATT	Oxfordshire	13.5	84.9	12.6	352	25.2	61	135	0.45	218	25.8	51.5
KWS ZYATT	Surrey	12.9	83.1	11.1	303	20.3	64	112	0.57	210	23.5	51.9
KWS ZYATT	Surrey	12.7	81.3	12.1	326	26.4	71	118	0.60	242	24.1	53.2
KWS ZYATT	West Sussex	13.7	83.2	12.6	328	28.3	69	79	0.87	191	19.7	56.7

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KWS ZYATT	West Sussex	13.8	83.6	12.9	369	24.3	69	111	0.62	238	23.4	55.9
KWS ZYATT	Wiltshire	13.3	80.5	13.0	336	28.3	80	66	1.21	180	18.0	49.6
AVERAGE		12.9	82.4	12.1	332	25.8	65	113	0.61	207	23.4	51.8

	Moisture Content	Specific Weight	Protein Content	Hagberg Falling Number	Wet Gluten	P	L	P/L	W	G	le
ukp AVERAGE (95 samples)	12.9	81.8	12.0	334	24.6	70	100	0.8	204	22.0	50.4



Variety	Region	Moisture Content	Specific Weight	Protein Content	Hagberg Falling Number	Wet Gluten Weight	P	L	P/L	W	G	le
BARREL	Bedfordshire	13.2	82.3	11.5	326	24.6	36	150	0.24	112	27.2	41.5
BARREL	Bedfordshire	12.9	82.5	11.3	324	23.2	43	75	0.57	92	19.2	40.2
BARREL	Cambridgeshire	11.8	80.0	11.4	270	24.1	26	167	0.16	91	28.7	42.4
BARREL	Cambridgeshire	14.2	80.1	11.0	311	22.6	30	132	0.23	93	25.5	43.0
BARREL	Hertfordshire	14.0	79.0	11.5	260	19.7	31	147	0.21	102	26.9	43.5
BARREL	Leicestershire	11.2	78.7	11.7	281	25.3	28	176	0.16	83	29.5	36.8
BARREL	Leicestershire	10.7	80.1	12.6	307	29.7	27	154	0.18	76	27.5	37.4
BARREL	Leicestershire	10.7	78.7	11.7	297	27.6	28	174	0.16	76	29.3	34.8
AVERAGE		12.3	80.2	11.6	297	24.6	31	147	0.24	91	26.7	40.0
ELICIT	Bedfordshire	13.2	81.0	11.4	321	26.0	35	176	0.20	103	29.5	35.8

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ELICIT	Bedfordshire	13.4	80.4	11.7	292	25.8	38	118	0.32	95	24.1	36.1
ELICIT	Cambridgeshire	13.0	79.0	10.8	250	22.4	22	118	0.19	60	24.1	41.1
ELICIT	Cambridgeshire	14.0	79.7	11.8	296	24.8	31	100	0.31	77	22.2	39.9
ELICIT	Essex	11.9	79.0	11.3	250	24.8	33	159	0.21	96	28.0	37.1
ELICIT	Essex	13.4	74.8	11.3	260	23.7	37	136	0.27	98	25.9	37.0
ELICIT	Essex	12.5	80.3	10.5	230	22.4	38	118	0.32	86	24.1	32.3
ELICIT	Essex	12.7	77.4	10.8	240	20.3	40	73	0.55	76	19.0	34.6
ELICIT	Essex	12.5	79.6	11.3	240	24.9	39	109	0.36	91	23.2	35.9
ELICIT	Essex	13.1	79.1	11.0	270	21.5	34	135	0.25	93	25.8	36.7
ELICIT	Kent	12.9	80.2	10.7	254	20.1	27	196	0.14	85	31.1	36.2
ELICIT	Suffolk	13.7	77.8	10.6	230	21.5	38	116	0.33	94	23.9	35.5
ELICIT	West Sussex	11.8	81.6	10.8	254	22.7	38	129	0.29	101	25.2	36.4
ELICIT	West Sussex	14.4	78.9	11.4	337	24.0	34	83	0.41	84	20.2	45.9
ELICIT	West Sussex	12.7	81.7	11.0	287	21.4	37	148	0.25	100	27.0	34.7
AVERAGE		13.0	79.4	11.1	267	23.1	35	128	0.29	89	24.9	37.0
FIREFLY	Bedfordshire	15.0	77.0	10.5	257	19.6	45	65	0.65	87	17.9	38.3
FIREFLY	Cambridgeshire	11.5	79.9	10.8	260	23.2	21	151	0.14	65	27.3	39.7
FIREFLY	Essex	13.5	77.0	10.0	260	21.6	23	143	0.16	72	26.5	42.4
FIREFLY	Hampshire	13.9	80.4	11.2	274	24.9	33	77	0.43	75	19.5	43.3
FIREFLY	Herefordshire	12.9	77.3	11.0	319	22.6	25	169	0.15	84	28.9	40.7
FIREFLY	Kent	13.6	78.4	10.7	305	28.0	30	128	0.23	92	25.1	44.3
FIREFLY	Kent	13.5	78.9	10.9	308	21.4	26	127	0.20	79	25.0	42.6
FIREFLY	Leicestershire	13.8	80.3	11.2	273	22.3	42	110	0.38	98	23.3	36.2
FIREFLY	Leicestershire	13.4	76.7	12.7	319	25.7	29	175	0.17	98	29.4	41.1
FIREFLY	Norfolk	13.4	78.1	11.0	330	20.0	25	156	0.16	83	27.7	41.8
FIREFLY	Rutland	12.5	78.0	11.1	263	20.5	29	164	0.18	97	28.4	42.1

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FIREFLY	Somerset	12.4	79.0	11.3	240	23.0	26	120	0.22	71	24.3	40.6
FIREFLY	Suffolk	13.1	79.2	11.4	260	25.4	25	161	0.16	82	28.2	41.2
FIREFLY	Suffolk	13.5	80.4	11.2	300	24.1	27	164	0.16	93	28.4	43.0
FIREFLY	West Sussex	14.7	80.3	11.5	295	22.9	25	151	0.17	87	27.3	45.5
FIREFLY	West Sussex	12.6	80.6	11.2	275	23.0	26	150	0.17	86	27.2	43.1
AVERAGE		13.3	78.8	11.1	284	23.0	29	138	0.23	84	25.9	41.6



	Moisture Content	Specific Weight	Protein Content	Hagberg Falling Number	Wet Gluten	P	L	P/L	W	G	le
uks AVERAGE (39 samples)	13.0	79.3	11.2	280	23.4	31	136	0.3	88	25.7	39.5

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Varieties

NB: RL = AHDB Recommended Lists

	
Varieties listed on the 2022/23 RL: Crusoe Extase KWS Siskin KWS Zyatt	Varieties listed on the 2022/23 RL: KWS Barrel Elicit Firefly

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