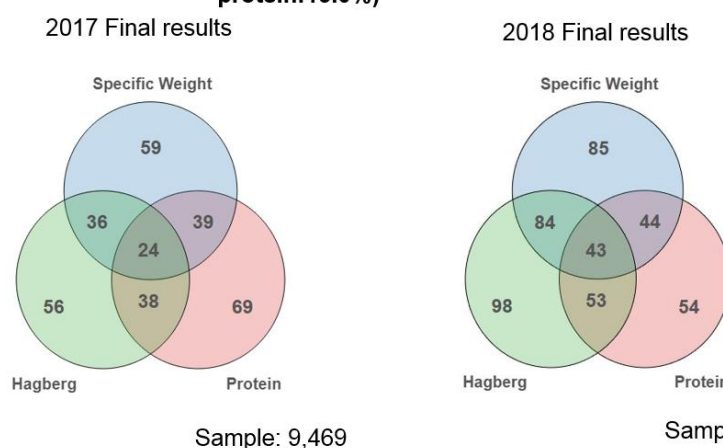


Final Cereal Quality Survey results

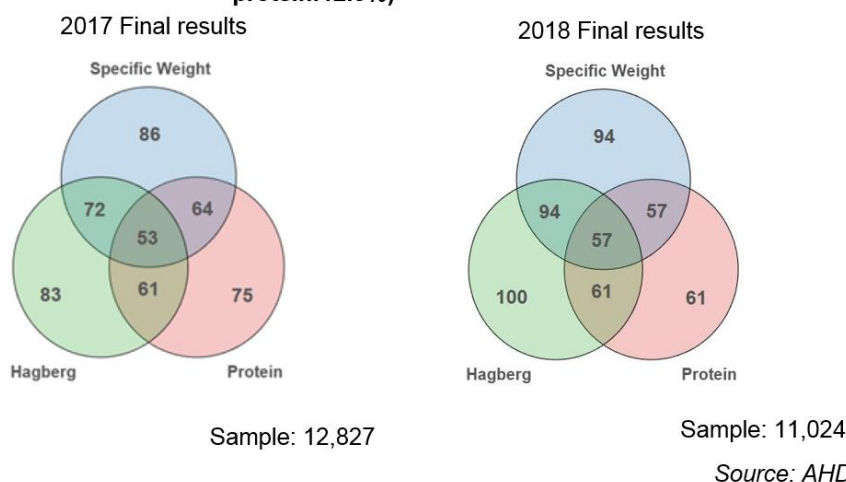
Final wheat quality diagrams

The Cereal Quality Diagrams below show the proportion of Group 1 and 2 samples meeting or exceeding the typical standards for high and medium quality bread wheat. Use the [Cereal Quality Calculator](#) to check your own specifications for this year's crop, where you can also [read an explanation of our Cereal Quality Diagrams](#).

2018 Final cereal quality results (GB) high quality bread wheat (Group 1, specific weight: 76kg/hl, Hagberg Falling Number:250s, protein:13.0%)



2018 Final cereal quality results (GB) medium quality bread wheat (Group 1&2, specific weight: 74kg/hl, Hagberg Falling Number:180s, protein:12.5%)



In order to ensure a representative sample covering regions, varieties and data providers is given, some samples have been removed by stratified random selection.

Further details on the AHDB Cereals and Oilseeds Cereal Quality Survey can be found at <http://cereals.ahdb.org.uk/markets/survey-results.aspx>

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CEREAL QUALITY SURVEY RESULTS 2018

Wheat Analysis by Variety

	nabim group	Number of samples	Moisture Content		Specific Weight		Hagberg F-Number				Protein Content	
			% d.m	s.d*	Kg/hl	s.d*	Seconds	s.d*	Min	Max	% d.m	s.d*
			<i>Mean Values</i>									
Skyfall	1	3,974	12.7	1.08	78.9	2.53	342	48.27	195	434	12.9	1.01
Crusoe	1	3,199	12.8	0.97	78.5	2.58	334	43.12	196	434	13.3	0.87
KWS-Zyatt	1	1,212	12.5	1.03	78.4	2.56	324	51.53	210	433	12.9	0.94
All Grp 1	1	9,210	12.7	1.05	78.5	2.63	335	47.54	195	434	13.0	0.98
KWS-Siskin	2	2,129	12.8	1.02	76.7	2.23	321	46.29	193	433	11.9	0.92
Cordiale	2	738	12.5	1.02	79.5	2.15	320	56.38	230	431	12.9	0.93
KWS-Lili	2	668	12.9	1.15	76.0	2.28	322	47.59	197	429	11.8	0.98
All Grp 2	2	3,598	12.8	1.07	77.1	2.56	321	49.01	193	433	12.1	1.02
KWS-Basset	3	1,097	12.7	1.09	77.6	2.38	286	38.27	196	419	11.7	0.84
KWS-Barrel	3	849	12.8	1.11	76.6	1.93	282	41.91	195	432	11.4	0.90
Zulu	3	351	12.8	1.12	75.1	1.97	290	40.00	195	384	11.7	0.98
All Grp 3	3	2,314	12.7	1.10	76.9	2.33	285	39.90	195	432	11.6	0.89
Graham	4	638	13.0	1.09	77.5	2.38	312	40.94	195	430	11.7	0.86
JB-Diego	4	506	12.9	1.11	77.8	2.41	324	48.52	211	433	11.9	0.84
All Grp 4	4	4,488	12.9	1.12	76.8	2.74	298	45.76	193	433	11.7	0.90
ukp	1 or 2	8,272	12.7	1.03	77.9	2.63	327	48.05	193	434	12.7	1.10
uks	3 or 4	3,374	12.8	1.10	76.7	2.33	287	38.96	195	432	11.6	0.90

* Standard Deviation

All averages are simple arithmetic means
Results shown for 100+ samples only

Wheat Analysis by Region

Mean Values

	nabim group	Number of samples	Moisture Content		Specific Weight		Hagberg F-Number		Protein Content	
			% d.m	s.d*	Kg/hl	s.d*	Seconds	s.d*	% d.m	s.d*
South East	1	2,674	12.7	1.01	78.8	2.80	347	40.27	13.2	0.86
	2	520	12.9	1.02	77.3	2.62	338	39.33	12.1	1.06
	3	548	12.9	1.01	77.3	2.73	303	38.21	11.6	0.82
	4	500	12.7	1.01	77.9	3.06	320	43.43	11.6	0.86
	ukp	2,055	12.7	0.98	78.5	2.78	343	39.58	13.0	1.02
	uks	808	12.9	1.01	77.0	2.72	300	36.92	11.6	0.79
South West	1	1,026	12.8	0.92	79.4	2.57	346	40.37	13.1	0.91
	2	341	12.9	0.94	78.0	2.54	338	39.06	11.9	0.94
	3	0-99	-	-	-	-	-	-	-	-
	4	307	13.1	0.99	77.9	2.41	317	38.06	11.6	0.95
	ukp	876	12.8	0.91	78.9	2.65	338	38.74	12.7	1.05
	uks	128	13.2	1.04	77.2	2.31	308	31.20	11.7	0.92
Eastern	1	3,982	12.5	1.05	78.4	2.50	325	52.33	12.9	1.02
	2	2,182	12.6	1.08	77.1	2.54	314	52.26	12.2	1.01
	3	1,377	12.5	1.09	76.7	2.18	277	38.41	11.6	0.88
	4	2,808	12.7	1.16	76.5	2.69	290	45.67	11.7	0.89
	ukp	4,135	12.6	1.04	77.6	2.48	316	51.90	12.6	1.09
	uks	1,932	12.5	1.09	76.6	2.19	280	38.54	11.6	0.90
Midlands	1	1,124	13.2	1.00	77.6	2.45	341	43.55	13.3	0.96
	2	433	13.2	0.92	76.2	2.40	329	39.77	12.2	0.97
	3	154	13.2	0.81	75.8	1.80	300	35.03	12.1	0.98
	4	598	13.3	0.94	76.4	2.46	312	42.57	12.0	0.83
	ukp	986	13.2	0.94	76.8	2.40	334	40.22	12.9	1.16
	uks	260	13.3	0.88	75.8	1.87	296	35.37	12.1	0.95
Northern	1	355	13.6	0.78	79.1	2.23	326	37.50	12.3	1.10
	2	113	13.7	0.73	77.4	2.21	311	37.67	11.2	0.89
	3	0-99	-	-	-	-	-	-	-	-
	4	221	13.7	0.72	77.7	2.61	298	38.22	11.1	0.86
	ukp	201	13.7	0.75	78.2	2.44	318	37.94	11.9	1.21
	uks	151	13.9	0.63	77.6	2.16	286	33.43	11.0	0.95
GB	1	9,210	12.7	1.05	78.5	2.63	335	47.54	13.0	0.98
	2	3,598	12.8	1.07	77.1	2.56	321	49.01	12.1	1.02
	3	2,314	12.7	1.10	76.9	2.33	285	39.90	11.6	0.89
	4	4,488	12.9	1.12	76.8	2.74	298	45.76	11.7	0.90
	ukp	8,272	12.7	1.03	77.9	2.63	327	48.05	12.7	1.10
	uks	3,374	12.8	1.10	76.7	2.33	287	38.96	11.6	0.90

* Standard Deviation

All averages are simple arithmetic means

Results shown for 100+ samples only

Information not available for Scotland and Wales due to low sample

Analysis by Harvest Date

Mean Values

Region	Harvest Date	Moisture Content		Specific Weight		Hagberg Falling Number		Protein Content	
		% d.m	s.d*	Kg/hl	s.d*	Seconds	s.d*	% d.m	s.d*
Eastern	Late July	12.3	1.01	79.5	2.59	344	41.77	12.8	1.08
	Early Aug	12.4	1.04	77.9	2.45	334	41.35	12.4	1.19
	Late Aug	12.8	1.12	76.9	2.57	303	49.21	12.1	1.10
	Early Sep	13.0	1.18	76.2	2.51	292	50.11	12.0	1.03
	Late Sep	13.0	1.14	76.5	2.61	321	52.60	11.9	1.08
	Early Oct	13.3	1.06	76.8	2.45	328	58.85	12.1	1.17
Northern	Late July	-	-	-	-	-	-	-	-
	Early Aug	13.6	0.72	78.8	2.43	321	41.64	11.8	1.16
	Late Aug	13.7	0.73	78.2	2.37	304	35.02	11.6	1.09
	Early Sep	13.8	0.71	78.2	2.55	306	42.73	11.6	1.20
	Late Sep	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-
South East	Late July	12.4	0.91	79.7	2.43	360	36.82	13.0	1.01
	Early Aug	12.6	0.97	78.6	2.77	340	40.68	12.6	1.11
	Late Aug	12.9	1.01	77.8	2.84	328	43.67	12.5	1.20
	Early Sep	13.1	1.05	77.2	2.89	320	42.91	12.6	1.08
	Late Sep	13.1	1.07	77.0	3.08	302	34.79	12.3	1.12
	Early Oct	-	-	-	-	-	-	-	-
South West	Late July	12.4	0.78	79.2	2.87	356	38.80	12.7	1.12
	Early Aug	12.7	0.96	78.9	2.63	345	37.92	12.7	1.13
	Late Aug	13.2	0.91	78.5	2.55	324	40.63	12.3	1.12
	Early Sep	13.2	0.91	77.8	2.53	330	42.46	12.5	1.10
	Late Sep	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-
Midlands	Late July	12.5	0.86	78.3	2.43	352	30.72	13.0	1.25
	Early Aug	12.9	0.93	77.0	2.55	344	39.67	12.8	1.13
	Late Aug	13.2	0.90	76.6	2.41	316	42.88	12.5	1.12
	Early Sep	13.2	0.95	76.4	2.22	306	42.54	12.4	1.15
	Late Sep	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-

* Standard Deviation

All averages are simple arithmetic means

Results shown for 100+ samples only

Wheat Analysis by Region

	Number of Samples	Mean Values							
		Moisture Content		Specific Weight		Hagberg F-Number		Protein Content	
		% d.m	s.d*	Kg/hl	s.d*	Seconds	s.d*	% d.m	s.d*
Eastern	11,046	12.6	1.10	77.4	2.63	307	52.09	12.3	1.12
Midlands	2,465	13.2	0.96	76.9	2.50	328	44.72	12.7	1.12
Northern	836	13.7	0.73	78.3	2.45	311	40.45	11.7	1.15
S. East	4,606	12.8	1.01	78.2	2.91	335	43.69	12.6	1.14
S. West	1,824	12.9	0.96	78.7	2.64	337	41.26	12.5	1.13
Scotland	100-249	13.7	0.80	77.2	2.10	288	68.48	11.5	1.23
Wales	0-100	-	-	-	-	-	-	-	-
GB	20,974	12.8	1.08	77.6	2.73	318	50.14	12.4	1.15

* Standard Deviation

All averages are simple arithmetic means
Results shown for 100+ samples only

Analysis by Variety, by Region

Variety	Region	Number of Samples	Mean Values							
			Moisture Content		Specific Weight		Hagberg F-Number		Protein Content	
			% d.m	s.d*	Kg/hl	s.d*	Seconds	s.d*	% d.m	s.d*
Skyfall	Eastern	1000+	12.5	1.07	78.8	2.48	333	53.08	12.8	1.01
	Midlands	250-499	13.1	1.02	78.2	2.43	349	45.49	13.0	0.97
	Northern	100-249	13.6	0.75	79.3	2.05	328	37.47	12.2	1.03
	S. East	500-999	12.6	1.05	79.3	2.61	353	38.95	13.0	0.93
	S. West	250-499	12.9	0.95	79.5	2.50	358	38.81	13.0	0.98
	Scotland	0-99	-	-	-	-	-	-	-	-
	Wales	0-99	-	-	-	-	-	-	-	-
	GB	1000+	12.7	1.08	78.9	2.53	342	48.27	12.9	1.01
Crusoe	Eastern	1000+	12.7	0.98	78.3	2.37	325	48.28	13.3	0.96
	Midlands	250-499	13.2	0.97	77.2	2.25	334	37.42	13.7	0.80
	Northern	0-99	-	-	-	-	-	-	-	-
	S. East	1000+	12.8	0.95	78.8	2.71	344	38.65	13.4	0.78
	S. West	250-499	12.8	0.89	79.4	2.56	338	37.20	13.2	0.84
	Scotland	0-99	-	-	-	-	-	-	-	-
	Wales	0-99	-	-	-	-	-	-	-	-
	GB	1000+	12.8	0.97	78.5	2.58	334	43.12	13.3	0.87
KWS-Zyatt	Eastern	250-499	12.3	0.97	78.0	2.23	304	51.31	12.7	0.97
	Midlands	100-249	13.1	0.96	77.9	2.44	347	46.12	13.1	0.95
	Northern	0-99	-	-	-	-	-	-	-	-
	S. East	250-499	12.7	1.04	78.9	2.88	347	43.92	13.1	0.85
	S. West	100-249	12.7	0.89	79.5	2.60	333	42.44	13.0	0.83
	Scotland	0-99	-	-	-	-	-	-	-	-
	Wales	0-99	-	-	-	-	-	-	-	-
	GB	1000+	12.5	1.03	78.4	2.56	324	51.53	12.9	0.94
KWS-Siskin	Eastern	1000+	12.6	1.01	76.5	2.12	317	50.21	12.0	0.90
	Midlands	250-499	13.3	0.93	76.1	2.25	326	39.57	12.1	0.88
	Northern	0-99	-	-	-	-	-	-	-	-
	S. East	250-499	12.9	1.03	77.1	2.24	332	38.38	11.8	0.95
	S. West	100-249	12.8	0.98	78.0	2.31	332	36.20	11.7	0.89
	Scotland	0-99	-	-	-	-	-	-	-	-
	Wales	0-99	-	-	-	-	-	-	-	-
	GB	1000+	12.8	1.02	76.7	2.23	321	46.29	11.9	0.92
Cordiale	Eastern	500-999	12.4	1.08	79.5	2.06	308	57.55	12.9	0.91
	Midlands	0-99	-	-	-	-	-	-	-	-
	Northern	0-99	-	-	-	-	-	-	-	-
	S. East	100-249	12.5	0.73	79.9	2.21	353	32.88	12.9	0.93
	S. West	0-99	-	-	-	-	-	-	-	-
	Scotland	0-99	-	-	-	-	-	-	-	-
	Wales	0-99	-	-	-	-	-	-	-	-
	GB	500-999	12.5	1.02	79.5	2.15	320	56.38	12.9	0.93

* Standard Deviation

All averages are simple arithmetic means
Results shown for 100+ samples only

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CEREAL QUALITY SURVEY RESULTS 2018

Barley Analysis by Variety

Mean Values

	Number of Samples	Moisture Content		Specific Weight		Nitrogen Content		Screening Values % through 2.25mm		Screening Values % retained 2.5mm	
		% d.m	s.d*	Kg/hl	s.d*	% d.m	s.d*	% d.m	s.d*	% d.m	s.d*
Winter	3,555	13.8	1.70	68.1	2.33	1.68	0.18	3.1	2.26	89.9	6.82
Pearl	951	15.5	1.17	68.8	1.80	1.75	0.17	1.8	1.10	93.9	3.60
Maris Otter	511	12.7	1.02	70.4	1.97	1.55	0.12	5.9	2.08	80.8	5.26
Cassata	425	14.9	1.22	67.7	2.16	1.68	0.12	1.4	0.97	95.2	3.09
Spring	13,639	14.7	2.22	66.1	2.60	1.74	0.16	1.7	1.55	94.4	4.97
Propino	3,597	13.1	1.47	66.4	2.70	1.84	0.15	1.8	1.56	93.4	5.30
Laureate	3,316	15.9	2.04	65.1	2.36	1.65	0.14	1.3	1.18	95.8	3.72
Concerto	2,821	16.2	1.83	65.7	2.44	1.69	0.14	1.3	1.12	96.2	3.53

* Standard Deviation

*All averages are simple arithmetic means
Results shown for 100+ samples only*

Barley Analysis by Region

Mean Values

	Number of Samples	Moisture Content		Specific Weight		Nitrogen Content		Screening Values % through 2.25mm		Screening Values % retained 2.5mm	
		% d.m	s.d*	Kg/hl	s.d*	% d.m	s.d*	% d.m	s.d*	% d.m	s.d*
Eastern	4,575	12.9	1.31	66.9	2.66	1.73	0.19	2.7	2.09	90.7	6.46
Midlands	500-999	13.6	1.42	65.4	2.61	1.86	0.15	3.1	2.15	89.9	6.07
Northern	1,599	15.2	1.56	67.3	2.27	1.73	0.16	1.8	1.63	93.6	5.18
S. East	2,298	13.2	1.51	66.2	2.57	1.79	0.15	2.0	1.91	93.1	6.00
S. West	1,475	13.5	1.40	66.4	2.77	1.81	0.16	2.2	2.03	92.1	6.55
Scotland	6,562	16.4	1.61	66.2	2.74	1.67	0.14	1.3	1.06	96.0	3.13
Wales	0-99	-	-	-	-	-	-	-	-	-	-
GB	17,194	14.5	2.15	66.5	2.68	1.73	0.17	2.0	1.80	93.6	5.61

* Standard Deviation

*All averages are simple arithmetic means
Results shown for 100+ samples only*

Analysis by Harvest Date - Barley

Mean Values

Region	Harvest Date	Moisture Content		Specific Weight		Nitrogen Content		Screening Values % through 2.25mm		Screening Values % retained 2.5mm	
		% d.m	s.d*	Kg/hl	s.d*	% d.m	s.d*	% d.m	s.d*	% d.m	s.d*
Eastern	July	12.8	1.11	68.0	2.51	1.63	0.20	4.1	2.28	86.3	6.67
	Early Aug	12.5	1.01	67.0	2.32	1.71	0.19	2.9	2.20	90.1	6.70
	Late Aug	13.5	1.54	65.8	2.37	1.77	0.17	2.0	1.59	92.9	5.38
	Early Sep	13.6	1.48	66.2	2.71	1.81	0.17	2.0	1.64	93.1	5.08
	Late Sep	-	-	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-	-	-
Northern	July	14.8	1.34	67.9	2.00	1.76	0.16	2.4	1.63	91.5	5.26
	Early Aug	14.9	1.34	67.9	2.20	1.75	0.17	1.9	1.50	93.5	4.69
	Late Aug	15.9	1.69	66.8	2.13	1.68	0.15	1.5	1.70	94.6	5.21
	Early Sep	15.3	1.54	66.3	2.30	1.75	0.15	1.3	1.41	95.6	4.36
	Late Sep	-	-	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-	-	-
Scotland	July	15.3	1.29	68.8	2.01	1.65	0.15	1.7	0.88	94.0	3.17
	Early Aug	15.8	1.47	66.9	2.88	1.67	0.16	1.6	1.40	94.9	3.72
	Late Aug	16.8	1.58	66.3	2.31	1.66	0.13	1.2	1.21	96.0	3.65
	Early Sep	16.6	1.59	65.9	2.45	1.66	0.13	1.2	0.83	96.3	2.37
	Late Sep	16.2	1.62	64.9	2.97	1.71	0.13	1.4	0.69	96.1	2.07
	Early Oct	15.2	1.91	65.7	2.11	1.71	0.14	1.5	0.73	95.5	2.28
South East	July	12.4	1.06	68.8	2.62	1.69	0.17	4.2	2.55	86.0	7.73
	Early Aug	12.5	1.04	66.5	2.47	1.78	0.15	2.0	1.99	93.2	6.10
	Late Aug	13.7	1.59	65.8	2.32	1.82	0.14	1.5	1.44	94.3	4.94
	Early Sep	13.9	1.45	65.9	2.36	1.82	0.14	1.9	1.56	93.9	4.60
	Late Sep	-	-	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-	-	-
South West	July	12.5	1.08	69.3	2.41	1.65	0.12	4.3	2.30	85.6	7.01
	Early Aug	13.0	1.13	66.5	2.73	1.80	0.15	1.9	1.85	92.9	6.38
	Late Aug	13.8	1.36	65.6	2.46	1.83	0.15	2.0	1.97	92.5	6.37
	Early Sep	14.1	1.49	66.1	2.48	1.86	0.14	1.8	1.65	92.7	5.75
	Late Sep	-	-	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-	-	-
Midlands	July	-	-	-	-	-	-	-	-	-	-
	Early Aug	12.8	1.02	65.7	2.51	1.85	0.15	3.6	2.35	87.9	7.06
	Late Aug	13.9	1.44	65.1	2.53	1.89	0.13	3.0	2.12	90.4	5.61
	Early Sep	13.9	1.29	64.6	2.04	1.89	0.14	2.4	1.58	92.0	4.79
	Late Sep	-	-	-	-	-	-	-	-	-	-
	Early Oct	-	-	-	-	-	-	-	-	-	-

* Standard Deviation

**All averages are simple arithmetic means
Results shown for 100+ samples only**

Analysis by Variety, by Region

Variety	Region	Number of Samples	Moisture Content		Specific Weight		Nitrogen Content		Screening Values % through 2.25mm		Screening Values % retained 2.5mm	
			% d.m	s.d*	Kg/hl	s.d*	% d.m	s.d*	% d.m	s.d*	% d.m	s.d*
Maris Otter	Eastern	100-249	12.9	0.84	70.6	1.29	1.48	0.10	6.2	1.99	80.0	5.40
	Midlands	0-99	-	-	-	-	-	-	-	-	-	-
	Northern	0-99	-	-	-	-	-	-	-	-	-	-
	S. East	100-249	12.5	1.10	70.9	1.64	1.60	0.13	5.5	2.10	80.7	4.70
	S. West	0-99	-	-	-	-	-	-	-	-	-	-
	Scotland	0-99	-	-	-	-	-	-	-	-	-	-
	Wales	0-99	-	-	-	-	-	-	-	-	-	-
	GB	500-999	12.7	1.02	70.4	1.97	1.55	0.12	5.9	2.08	80.8	5.26
Pearl	Eastern	0-99	-	-	-	-	-	-	-	-	-	-
	Midlands	0-99	-	-	-	-	-	-	-	-	-	-
	Northern	250-499	15.5	1.19	68.2	1.80	1.82	0.15	2.0	1.27	93.3	4.10
	S. East	0-99	-	-	-	-	-	-	-	-	-	-
	S. West	0-99	-	-	-	-	-	-	-	-	-	-
	Scotland	500-999	15.5	1.15	69.3	1.63	1.70	0.17	1.6	0.91	94.5	3.00
	Wales	0-99	-	-	-	-	-	-	-	-	-	-
GB	500-999	15.5	1.17	68.8	1.80	1.75	0.17	1.8	1.10	93.9	3.60	
Propino	Eastern	1000+	12.7	1.33	66.9	2.79	1.81	0.17	1.9	1.50	93.1	5.09
	Midlands	100-249	13.7	1.42	64.9	2.42	1.93	0.14	2.7	2.00	90.4	6.11
	Northern	100-249	14.6	1.39	66.4	2.58	1.81	0.13	1.5	1.53	94.6	4.90
	S. East	500-999	13.3	1.50	66.2	2.50	1.86	0.13	1.5	1.44	94.5	4.75
	S. West	500-999	13.5	1.38	66.2	2.64	1.86	0.14	1.7	1.61	93.2	5.86
	Scotland	0-99	-	-	-	-	-	-	-	-	-	-
	Wales	0-99	-	-	-	-	-	-	-	-	-	-
	GB	1000+	13.1	1.47	66.4	2.70	1.84	0.15	1.8	1.56	93.4	5.30
Laureate	Eastern	100-249	13.1	1.53	65.6	2.91	1.73	0.16	2.5	1.93	91.3	6.04
	Midlands	0-99	-	-	-	-	-	-	-	-	-	-
	Northern	100-249	16.0	1.76	65.7	1.80	1.67	0.13	1.2	1.28	95.9	3.91
	S. East	100-249	13.2	1.41	65.3	2.64	1.79	0.14	1.7	1.83	93.5	6.08
	S. West	100-249	13.7	1.38	64.8	2.15	1.77	0.16	2.0	2.06	92.2	6.74
	Scotland	1000+	16.5	1.63	64.9	2.29	1.62	0.12	1.1	0.69	96.5	2.23
	Wales	0-99	-	-	-	-	-	-	-	-	-	-
	GB	1000+	15.9	2.04	65.1	2.36	1.65	0.14	1.3	1.18	95.8	3.72
Concerto	Eastern	100-249	13.0	1.17	65.7	2.43	1.63	0.16	3.8	2.26	87.1	7.05
	Midlands	0-100	-	-	-	-	-	0.01	-	-	-	-
	Northern	100-249	15.7	1.65	67.0	1.89	1.67	0.14	1.1	1.15	96.2	3.95
	S. East	0-99	-	-	-	-	-	-	-	-	-	-
	S. West	0-99	-	-	-	-	-	-	-	-	-	-
	Scotland	1000+	16.6	1.55	65.6	2.46	1.70	0.14	1.1	0.73	96.8	2.25
	Wales	0-99	-	-	-	-	-	-	-	-	-	-
	GB	1000+	16.2	1.83	65.7	2.44	1.69	0.14	1.3	1.12	96.2	3.53

* Standard Deviation

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Results shown for 100+ samples only*

Analysis by Region, Winter/Spring

Region	Number of Samples	Moisture Content		Specific Weight		Nitrogen Content		Screening Values % through 2.25mm		Screening Values % retained 2.5mm	
		% d.m	s.d*	Kg/hl	s.d*	% d.m	s.d*	% d.m	s.d*	% d.m	s.d*
Eastern	4,575	12.9	1.31	66.9	2.66	1.73	0.19	2.7	2.09	90.7	6.46
Winter	1,239	12.8	1.02	67.6	2.47	1.62	0.21	4.5	2.18	85.0	6.29
Spring	3,336	12.9	1.40	66.7	2.68	1.77	0.17	2.2	1.74	92.2	5.67
Midlands	664	13.6	1.42	65.4	2.61	1.86	0.15	3.1	2.15	89.9	6.07
Winter	151	12.9	1.22	67.2	2.64	1.80	0.17	4.5	2.31	85.4	5.34
Spring	513	13.8	1.41	64.9	2.34	1.88	0.14	2.8	1.96	90.8	5.80
Northern	1,599	15.2	1.56	67.3	2.27	1.73	0.16	1.8	1.63	93.6	5.18
Winter	708	14.9	1.35	68.0	1.97	1.77	0.16	2.2	1.59	92.3	5.04
Spring	891	15.4	1.67	66.7	2.31	1.71	0.16	1.6	1.61	94.6	5.08
S. East	2,298	13.2	1.51	66.2	2.57	1.79	0.15	2.0	1.91	93.1	6.00
Winter	337	12.4	1.01	68.3	2.76	1.68	0.17	4.9	2.28	83.4	6.30
Spring	1,961	13.4	1.54	66.0	2.45	1.81	0.14	1.6	1.51	94.1	4.94
S. West	1,475	13.5	1.40	66.4	2.77	1.81	0.16	2.2	2.03	92.1	6.55
Winter	175	12.6	1.14	69.0	2.63	1.67	0.13	4.8	2.03	83.5	5.66
Spring	1,300	13.6	1.38	66.0	2.61	1.83	0.15	1.9	1.83	92.8	6.05
Scotland	6,562	16.4	1.61	66.2	2.74	1.67	0.14	1.3	1.06	96.0	3.13
Winter	941	15.3	1.21	68.5	2.06	1.68	0.16	1.5	0.97	94.7	3.06
Spring	5,621	16.6	1.60	65.6	2.56	1.66	0.14	1.3	1.07	96.2	3.09
GB	17,194	14.5	2.15	66.5	2.68	1.73	0.17	2.0	1.80	93.6	5.61
Winter	3,555	13.8	1.70	68.1	2.33	1.68	0.18	3.1	2.26	89.9	6.82
Spring	13,639	14.7	2.22	66.1	2.60	1.74	0.16	1.7	1.55	94.4	4.97

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AHDB Cereal Quality Survey 2018 Final results November 2018

Wheat Analysis by Variety

	Nabim Group	Number of samples	Moisture Content		Specific Weight		Hagberg F-Number		Protein Content	
			% d.m	sd*	Kg/hl	sd*	Seconds	s.d*	% d.m	s.d*
			<i>Mean Values</i>							
Skyfall	1	2,500+	12.7	1.08	78.9	2.53	342	48.27	12.9	1.01
Crusoe	1	2,500+	12.8	0.97	78.5	2.58	334	43.12	13.3	0.87
KWS-Zyatt	1	1,000+	12.5	1.03	78.4	2.56	324	51.53	12.9	0.94
RGT-Illustrious	1	250-499	12.7	1.04	77.6	2.54	327	41.62	12.8	1.01
Mulika	1	250-499	13.4	1.18	75.6	2.21	304	45.76	13.0	1.06
KWS-Trinity	1	100-249	12.6	1.11	76.1	2.47	347	53.66	12.9	0.97
KWS-Siskin	2	1,000+	12.8	1.02	76.7	2.23	321	46.29	11.9	0.92
Cordiale	2	500-999	12.5	1.02	79.5	2.15	320	56.38	12.9	0.93
KWS-Lili	2	500-999	12.9	1.15	76.0	2.28	322	47.59	11.8	0.98
KWS-Basset	3	1,000+	12.7	1.09	77.6	2.38	286	38.27	11.7	0.84
KWS-Barrel	3	500-999	12.8	1.11	76.6	1.93	282	41.91	11.4	0.90
Zulu	3	250-499	12.8	1.12	75.1	1.97	290	40.00	11.7	0.98
Graham	4	500-999	13.0	1.09	77.5	2.38	312	40.94	11.7	0.86
JB-Diego	4	500-999	12.9	1.11	77.8	2.41	324	48.52	11.9	0.84
KWS-Santiago	4	250-499	12.5	1.17	74.5	2.33	285	40.49	11.8	0.86
Costello	4	250-499	13.1	1.10	79.2	2.38	317	47.86	11.8	0.85
Evolution	4	250-499	12.8	1.19	74.4	2.11	282	39.99	11.5	0.92
Leeds	4	250-499	12.8	1.03	76.8	2.08	279	35.79	11.6	0.93
Revelation	4	250-499	13.1	1.09	75.7	2.01	295	38.22	11.7	0.92
KWS-Kerrin	4	250-499	13.0	1.19	76.3	2.47	284	40.36	11.1	0.73
Grafton	4	100-249	12.9	0.90	79.4	2.13	287	47.77	12.0	0.83
Dickens	4	100-249	12.7	1.22	75.4	1.87	300	50.57	11.8	0.83
Shabras	4	100-249	12.6	0.94	76.8	2.03	304	41.78	11.6	0.88
LG Sundance	4	100-249	13.1	1.10	74.6	2.44	283	39.69	11.5	0.99
Gallant	None	250-499	12.4	1.10	77.2	2.13	315	60.32	12.9	0.71
Claire	None	100-249	13.0	1.06	76.1	2.23	296	32.38	11.5	0.76
Monterey	None	100-249	12.5	0.93	78.2	3.34	295	31.12	11.8	0.94
Scout	None	100-249	13.3	1.03	78.2	2.88	302	38.10	11.9	0.89

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AHDB Cereal Quality Survey 2018

Final results November 2018

Barley Analysis by Variety

Mean Values

	Number of Samples	Moisture Content		Specific Weight		Nitrogen Content		Screening Values % through 2.25mm		Screening Values % retained 2.5mm	
		% d.m	s.d*	Kg/hl	s.d*	% d.m	s.d*	% d.m	s.d*	% d.m	s.d*
Winter	2,500+	13.8	1.70	68.1	2.33	1.68	0.18	3.1	2.26	89.9	6.82
Pearl	500-999	15.5	1.17	68.8	1.80	1.75	0.17	1.8	1.10	93.9	3.60
Maris Otter	500-999	12.7	1.02	70.4	1.97	1.55	0.12	5.9	2.08	80.8	5.26
Cassata	250-499	14.9	1.22	67.7	2.16	1.68	0.12	1.4	0.97	95.2	3.09
SY-Venture	250-499	12.7	1.26	67.7	2.47	1.64	0.15	4.6	2.07	84.6	6.71
Flagon	250-499	12.7	0.96	67.9	1.82	1.53	0.13	4.0	1.93	86.8	5.34
Bazooka	100-249	12.7	1.16	67.4	2.22	1.90	0.14	4.5	2.21	83.9	5.51
Craft	100-249	12.6	0.97	67.4	2.44	1.62	0.16	3.3	1.79	87.4	5.82
Talisman	100-249	14.9	1.45	67.7	1.68	1.65	0.15	2.2	1.32	91.5	4.21
Spring	10,000+	14.7	2.22	66.1	2.60	1.74	0.16	1.7	1.55	94.4	4.97
Propino	2,500+	13.1	1.47	66.4	2.70	1.84	0.15	1.8	1.56	93.4	5.30
Laureate	2,500+	15.9	2.04	65.1	2.36	1.65	0.14	1.3	1.18	95.8	3.72
Concerto	2,500+	16.2	1.83	65.7	2.44	1.69	0.14	1.3	1.12	96.2	3.53
RGT-Planet	2,500+	13.4	1.52	66.4	2.44	1.76	0.15	2.1	1.76	92.6	5.50
KWS-Irina	250-499	13.8	1.53	65.3	2.44	1.87	0.14	2.5	1.92	91.5	6.34
Golden Promise	250-499	17.0	1.45	67.1	2.03	1.65	0.11	4.3	2.28	86.6	5.67
Sienna	100-249	16.0	1.40	70.4	1.08	1.66	0.11	0.9	0.45	97.0	1.37
Olympus	100-249	16.5	1.85	64.7	3.06	1.64	0.12	2.0	1.13	94.5	3.27

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