

## Qualitätserhebung der Weizenernte 2019 / Recensement de la qualité de la récolte de blé 2019

### Resultate der Laboranalysen / Résultats des analyses de laboratoire

Sorte / Region Variété / Région	Jahr Année	Proteingehalt Teneur en protéine (%)	Feuchtkleber Gluten humide (%)		Quellzahl Indice de gonflement (ml)		Farinogramm Farinogramme			Extensogramm Extensogramme		Fallzahl Temps de chute (s)	Amylogramm Amylogramme	
			0'	30'	0'	30'	Wasseraufnahme Hydratation (%)	Resistenz Stabilité (min)	Konsistenzabfall Affaiblissement (BE)	Fläche Surface cm <sup>2</sup>	DW <sub>5</sub> / DB		Max. Viskosität Viscosité max. (AE)	Max. Temperatur Température max. (°C)
Runal / 1	2019	13.0	32.3	34.0	19	16	59.5	7.4	41	146	2.9	343	1411	88.1
	2018	13.2	33.4	37.0	25	15	59.4	8.0	51	142	2.3	365	1809	89.5
	2017	12.3	29.9	32.6	22	20	58.9	2.4	68	144	2.2	312	1373	85.8
	2016	12.1	28.7	31.4	23	20	57.5	2.3	67	110	2.2	378	1399	88.8
	2015	11.4	27.1	30.7	23	17	65.0	2.4	78	91	2.9	391	1323	88.4
	2014	11.2	24.2	25.5	23	18	63.6	2.1	127	107	2.0	266	577	72.4
	2013	14.0	35.1	36.8	17	9	64.9	4.6	82	103	1.9	298	709	84.1
	2012	13.4	33.4	35.8	25	16	59.8	7.4	52	139	2.4	348	1338	89.0
	2011	14.0	34.3	36.7	19	14	63.1	6.4	75	99	1.2	344	614	79.9
	2010	13.3	32.0	34.4	20	15	63.6	5.1	72	98	1.6	387	1562	93.1
	2009	12.5	27.8	30.1	20	16	63.3	2.5	86	100	1.7	356	1036	86.6
2008	13.6	33.0	35.7	18	14	61.8	4.4	97	107	1.4	305	709	78.4	
2007	13.4	31.1	32.9	23	15	62.0	3.6	76	104	1.2	297	494	73.9	
2006	13.5	30.9	33.6	21	13	61.8	5.9	57	111	1.8	360	1336	88.4	
Runal / 5	2019	15.1	38.2	43.5	19	10	59.1	9.4	36	169	2.1	323	1462	86.5
	2018	14.3	39.3	41.8	16	15	64.5	7.3	66	95	1.3	314	1438	89.4
	2017	13.6	34.1	36.9	20	18	60.2	4.2	44	148	1.8	331	1472	86.1
	2016	14.5	37.0	40.7	22	14	61.7	8.1	46	147	1.8	338	1522	88.4
	2015	13.1	33.2	35.5	12	9	68.2	7.1	67	95	2.2	399	1510	90.6
	2014	11.8	26.7	28.3	26	18	64.5	2.3	93	120	2.5	318	856	78.0
	2013	13.2	30.5	33.5	21	13	68.4	3.1	96	88	1.9	362	1212	89.3
	2012	14.5	37.5	39.3	20	17	60.1	7.4	57	150	1.5	351	1342	87.5
2011	14.7	36.1	38.9	16	10	64.2	4.5	96	98	1.0	277	424	74.9	

CH Claro / 2	<b>2019</b>	<b>12.3</b>	<b>30.2</b>	<b>35.9</b>	<b>15</b>	<b>11</b>	<b>58.0</b>	<b>6.8</b>	<b>57</b>	<b>118</b>	<b>2.3</b>	<b>330</b>	<b>1090</b>	<b>83.4</b>
	2018	12.4	33.1	36.1	18	14	62.5	5.8	75	97	1.6	371	1225	88.5
	2017	12.0	29.5	31.9	20	16	60.5	2.5	75	108	1.8	348	1224	85.4
	2016	12.8	32.1	33.8	19	19	60.4	6.2	51	116	1.8	370	1382	88.1
	2015	11.2	26.6	28.2	19	18	65.0	2.6	58	100	2.7	420	1633	90.6
	2014	10.4	24.5	25.5	24	20	63.7	2.1	111	92	2.0	281	558	74.3
	2013	10.9	24.8	25.9	16	13	61.7	2.1	107	85	2.0	345	1204	87.6
2012	12.7	28.2	31.1	27	20	59.1	2.4	78	139	1.7	337	442	79.1	
CH Claro / 5	<b>2019</b>	<b>13.9</b>	<b>36.1</b>	<b>38.6</b>	<b>13</b>	<b>11</b>	<b>60.9</b>	<b>6.9</b>	<b>71</b>	<b>109</b>	<b>2.2</b>	<b>326</b>	<b>1331</b>	<b>86.5</b>
	2018	12.9	34.9	38.5	22	13	65.1	6.0	68	79	1.4	361	1214	87.5
	2017	12.9	32.8	35.1	20	15	60.8	4.8	56	129	1.9	344	1436	87.6
	2016	13.8	34.5	37.1	16	16	62.3	7.2	49	119	1.8	378	1409	89.0
	2015	12.3	30.1	32.5	18	15	70.2	2.6	60	92	2.8	406	1278	89.9
	2014	10.6	21.5	23.9	22	19	66.2	2.1	107	96	2.5	302	679	76.1
	2013	11.9	25.4	28.0	22	11	67.4	2.3	101	77	1.8	361	1208	89.5
2012	13.4	31.8	35.4	22	16	60.2	5.4	60	124	1.6	370	1412	90.3	
CH Claro / 6	<b>2019</b>	<b>13.6</b>	<b>34.8</b>	<b>37.6</b>	<b>17</b>	<b>9</b>	<b>60.7</b>	<b>6.9</b>	<b>60</b>	<b>130</b>	<b>2.3</b>	<b>354</b>	<b>1249</b>	<b>87.8</b>
	2018	12.3	32.2	34.9	22	16	62.3	5.5	77	102	1.5	344	1130	85.1
	2017	12.7	30.5	33.2	22	17	60.2	3.0	56	144	2.3	373	1302	86.5
	2016	13.2	32.0	35.2	21	17	61.3	7.0	47	134	2.2	362	1348	88.3
	2015	11.9	28.6	30.2	23	19	70.4	2.5	88	91	2.8	409	1507	90.5
	2014	11.0	24.1	25.3	23	19	64.9	2.1	136	88	1.9	251	435	71.9
	2013	12.4	29.9	31.4	13	10	63.2	5.0	84	106	1.8	367	1160	89.0
2012	12.5	29.9	32.7	23	16	60.2	3.6	71	129	1.7	363	1109	86.1	

CH Nara / 1	2019	11.8	26.8	29.9	26	20	56.6	2.5	13	143	3.0	421	1546	89.5
	2018	12.2	30.9	34.2	22	18	57.0	5.7	21	137	1.9	423	1287	89.5
	2017	11.8	27.5	30.4	23	19	56.3	2.3	64	155	2.5	378	1151	87.0
	2016	12.5	29.2	36.3	24	19	57.3	2.3	27	149	2.1	379	1105	87.8
	2015	11.0	24.2	28.3	23	19	62.6	2.1	69	100	2.7	442	1167	87.9
CH Nara / 2	2019	12.5	29.2	32.6	27	14	55.6	2.5	9	160	2.5	391	1300	87.9
	2018	13.1	33.2	38.4	21	15	59.0	7.6	42	123	1.3	425	1314	89.5
	2017	12.3	28.8	32.7	23	17	57.2	2.8	57	133	1.7	377	989	84.8
	2016	13.0	30.8	36.5	23	18	58.0	4.2	18	159	1.9	383	1031	86.6
CH Nara / 4	2019	12.9	30.7	35.6	23	14	56.3	2.4	14	158	2.3	382	1151	88.9
	2018	13.0	31.5	35.2	22	17	58.9	3.2	33	151	1.9	402	1109	87.0
	2017	12.8	30.2	33.7	23	19	57.0	3.5	37	148	1.9	360	1079	86.6
	2016	13.5	32.1	35.1	23	16	57.4	3.1	34	157	2.0	433	1183	88.1
CH Nara / 5	2019	13.5	32.3	36.8	20	13	55.8	10.2	23	142	2.0	380	1235	87.0
	2018	13.0	34.2	39.1	21	15	60.0	8.5	31	111	1.3	403	1150	88.1
	2017	13.0	31.3	36.7	24	17	58.0	3.6	36	131	1.7	385	1092	87.4
	2016	12.9	31.6	33.7	22	19	56.1	2.2	8	163	2.3	410	1429	89.6
CH Nara / 6	2019	12.9	30.2	33.5	24	16	56.0	19.2	25	171	2.5	378	1153	89.3
	2018	13.2	32.4	36.2	22	15	58.3	6.2	22	152	1.7	381	1036	86.6
	2017	13.0	31.3	36.7	24	17	58.0	3.6	36	131	1.7	402	1319	88.1
	2016	12.7	29.1	32.8	25	24	57.4	3.4	23	151	2.3	426	1271	88.6

Arina / 4	<b>2019</b>	<b>13.2</b>	<b>35.2</b>	<b>41.4</b>	<b>11</b>	<b>8</b>	<b>56.9</b>	<b>4.3</b>	<b>75</b>	<b>102</b>	<b>1.8</b>	<b>342</b>	<b>1021</b>	<b>89.0</b>
	2018	12.8	39.2	42.8	10	9	59.7	3.5	95	74	1.2	373	944	88.1
	2017	13.2	34.9	37.9	10	10	58.5	3.9	92	92	1.3	349	1032	87.8
	2016	13.2	35.2	37.6	15	10	58.4	4.4	73	87	1.5	386	1102	88.4
	2015	12.2	32.5	37.2	10	9	64.3	4.1	74	86	2.1	433	1160	91.5
	2014	12.0	29.5	30.8	15	13	61.3	2.5	101	86	1.6	309	443	80.3
	2013	12.3	30.8	32.4	18	14	60.1	3.3	96	83	1.7	402	1294	92.1
	2012	13.9	37.7	39.9	12	8	58.7	4.1	83	81	1.1	415	809	87.8
	2011	13.5	33.8	37.1	12	10	60.3	3.8	102	67	1.0	275	313	79.5
	2010	14.0	36.0	38.4	14	10	60.2	3.8	103	81	1.1	358	744	87.7
	2009	13.3	29.6	31.6	17	11	60.4	3.7	77	93	1.5	324	737	88.1
	2008	13.8	34.7	37.7	13	8	59.8	3.4	103	90	1.3	334	527	82.7
2007	14.3	34.3	37.9	13	8	61.6	4.4	113	68	0.9	269	342	77.1	
2006	14.5	35.0	36.5	13	9	61.8	4.7	77	73	1.2	374	1117	91.0	
Arina / 6	<b>2019</b>	<b>12.6</b>	<b>33.5</b>	<b>39.1</b>	<b>10</b>	<b>9</b>	<b>56.4</b>	<b>3.7</b>	<b>88</b>	<b>104</b>	<b>2.0</b>	<b>349</b>	<b>909</b>	<b>88.4</b>
	2018	13.3	37.9	42.5	14	9	59.7	3.7	91	86	1.2	370	806	86.8
	2017	13.4	35.6	43.2	14	10	57.6	4.5	79	113	1.4	366	1117	89.0
	2016	13.1	35.7	36.8	12	8	59.5	4.4	71	94	1.3	350	837	87.1
	2015	12.8	33.8	38.0	15	13	65.3	3.6	74	74	1.7	424	1225	92.0
	2014	11.9	30.0	31.7	15	12	61.6	2.6	101	84	1.7	311	507	81.9
	2013	12.4	31.8	33.2	14	10	58.7	3.4	107	74	1.6	383	1190	91.6
	2012	13.2	33.5	35.6	16	9	57.8	4.1	76	102	1.3	384	916	89.0
	2011	13.8	38.3	40.9	12	9	62.0	4.4	83	76	1.0	288	509	84.9
	2010	13.4	34.2	36.8	14	10	59.6	3.6	99	86	1.2	317	730	84.2
	2009	13.1	30.5	32.8	16	11	60.9	3.2	79	91	1.5	314	711	88.0
	2008	14.0	35.2	38.0	14	8	60.2	3.8	98	92	1.2	327	581	84.1
2007	14.0	33.9	36.1	13	8	62.7	4.2	122	67	0.9	268	317	76.9	
2006	14.2	36.2	38.6	11	7	61.8	4.7	69	79	1.3	379	1168	92.1	

Forel / 1	<b>2019</b>	<b>11.4</b>	<b>26.2</b>	<b>28.7</b>	<b>25</b>	<b>20</b>	<b>57.6</b>	<b>2.3</b>	<b>78</b>	<b>132</b>	<b>3.1</b>	<b>388</b>	<b>1344</b>	<b>86.6</b>	
	2018	11.3	26.4	29.4	23	21	60.0	1.9	90	133	2.6	374	852	86.5	
	2017	11.8	26.9	30.2	22	21	57.7	2.2	92	129	2.3	380	1074	87.9	
	2016	11.7	25.1	28.4	32	23	58.7	2.0	90	123	2.6	393	1221	89.3	
	2015	10.5	22.0	25.9	20	17	65.3	2.1	109	87	2.9	429	1003	87.4	
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	11.2	24.3	26.2	22	20	62.9	1.6	109	95	3.3	365	890	89.0	
2012	13.0	24.9	26.5	28	24	59.4	2.1	87	120	2.7	409	1029	90.0		
Forel / 2	<b>2019</b>	<b>12.7</b>	<b>29.1</b>	<b>33.8</b>	<b>21</b>	<b>16</b>	<b>58.2</b>	<b>2.3</b>	<b>101</b>	<b>146</b>	<b>2.3</b>	<b>293</b>	<b>424</b>	<b>77.1</b>	
	2018	12.5	31.0	35.2	21	15	62.3	2.8	73	117	1.6	403	1059	88.3	
	2015	11.1	24.8	27.4	24	22	63.0	2.2	86	95	2.3	424	1779	91.1	
	2014	10.9	23.0	25.7	31	23	63.2	1.5	130	105	2.6	293	423	76.8	
	2013	10.9	23.5	24.7	22	15	60.0	1.6	96	92	2.7	404	1249	90.9	
	2012	12.7	31.0	32.3	23	15	59.9	5.1	85	112	1.5	394	1189	88.3	
Forel / 4	<b>2019</b>	<b>12.4</b>	<b>28.2</b>	<b>31.6</b>	<b>25</b>	<b>20</b>	<b>57.7</b>	<b>2.3</b>	<b>92</b>	<b>139</b>	<b>2.6</b>	<b>328</b>	<b>621</b>	<b>82.8</b>	
	2018	12.2	29.8	32.3	25	22	62.1	2.7	86	125	1.9	370	800	86.0	
	2017	12.1	28.1	31.9	25	21	59.6	2.2	85	135	2.5	390	1033	87.5	
	2016	12.9	30.5	33.4	21	21	59.3	2.5	73	130	2.2	425	1413	90.3	
	2015	11.6	25.4	29.1	22	19	67.2	2.3	88	103	3.3	497	1777	91.9	
	2014	10.5	21.9	23.7	31	24	64.2	1.6	128	87	2.8	302	394	74.9	
	2013	11.9	26.8	29.0	24	15	66.8	2.2	102	93	3.1	393	1370	92.9	
	2012	13.3	31.1	32.6	26	23	59.6	2.5	75	159	1.8	368	1203	86.1	
Forel / 5	<b>2019</b>	<b>12.7</b>	<b>31.5</b>	<b>33.4</b>	<b>23</b>	<b>15</b>	<b>56.4</b>	<b>2.7</b>	<b>59</b>	<b>162</b>	<b>2.3</b>	<b>301</b>	<b>615</b>	<b>78.3</b>	
	2018	12.3	30.5	32.5	19	14	62.6	2.4	73	110	2.2	400	1271	90.3	
	2017	12.2	29.1	31.9	22	22	60.0	2.2	84	142	2.4	339	939	86.4	
	2016	13.0	29.8	33.3	24	23	59.2	2.5	72	116	2.3	418	1374	89.8	
	2015	11.1	24.1	27.3	22	21	68.6	2.2	98	97	3.2	468	1740	92.6	
	2014	11.1	25.5	26.7	25	20	65.2	2.4	94	91	3.1	308	405	77.8	
	2013	11.7	27.0	28.1	21	15	66.9	2.2	102	81	2.8	416	1150	91.3	
	2012	13.2	29.7	33.2	28	20	59.8	2.6	55	137	2.0	370	1412	90.3	
Forel / 6	<b>2019</b>	<b>12.2</b>	<b>28.6</b>	<b>31.4</b>	<b>22</b>	<b>18</b>	<b>57.6</b>	<b>2.0</b>	<b>101</b>	<b>121</b>	<b>2.7</b>	<b>297</b>	<b>456</b>	<b>76.3</b>	
	2018	12.4	30.7	33.6	20	18	62.2	2.4	83	124	1.9	372	942	87.0	
	2017	12.1	28.8	31.2	22	21	59.0	2.3	79	137	2.7	418	1228	89.1	
	2016	12.6	31.5	33.2	23	22	59.6	2.5	69	144	2.6	422	1417	90.1	
	2015	11.2	25.4	28.4	23	20	68.8	2.1	103	94	3.2	462	1668	91.8	



Schweizerische Branchenorganisation Getreide, Ölsaaten und Eiweisspflanzen  
Organisation de la Branche Suisse des Céréales, Oléagineux et Protéagineux

swiss granum  
Belpstrasse 26  
Postfach  
3001 bern  
Tel. +41 (0)31 385 72 72  
Fax. +41 (0)31 385 72 75  
info@swissgranum.ch  
www.swissgranum.ch

2014	10.8	23.9	25.0	24	21	64.0	1.5	121	101	3.1	316	509	79.9
2013	11.8	27.6	28.7	23	19	61.4	2.3	89	114	2.4	415	1551	93.4
2012	12.2	27.6	30.0	25	18	58.8	2.3	72	128	1.8	363	1109	86.1
2011	12.9	28.5	31.2	22	18	62.7	3.1	79	111	1.6	347	579	84.9

Hanswin / 1	<b>2019</b>	<b>10.7</b>	<b>24.5</b>	<b>27.8</b>	<b>19</b>	<b>17</b>	<b>54.2</b>	<b>2.1</b>	<b>77</b>	<b>108</b>	<b>2.4</b>	<b>353</b>	<b>930</b>	<b>87.3</b>
	2018	10.8	25.8	28.7	20	17	55.4	2.3	68	91	2.1	360	914	87.0
Hanswin / 2	<b>2019</b>	<b>11.1</b>	<b>25.9</b>	<b>29.5</b>	<b>18</b>	<b>13</b>	<b>52.7</b>	<b>2.3</b>	<b>78</b>	<b>109</b>	<b>2.1</b>	<b>314</b>	<b>766</b>	<b>81.0</b>
	2018	11.4	30.6	34.4	15	14	58.3	5.3	107	87	1.1	354	859	87.0
Hanswin / 4	<b>2019</b>	<b>12.0</b>	<b>28.4</b>	<b>31.4</b>	<b>20</b>	<b>12</b>	<b>54.4</b>	<b>2.4</b>	<b>52</b>	<b>144</b>	<b>2.2</b>	<b>313</b>	<b>634</b>	<b>81.3</b>
	2018	11.7	30.2	32.8	18	14	58.9	4.0	113	103	1.5	300	375	76.9

#### Legende der Regionen / Légende des régions

- 1 Genferseebecken, vom Kanton Genf bis Lausanne; bassin lémanique, du canton de Genève à Lausanne
- 2 Gros de Vaud, Broye, Ufer des Neuenburger-sees, Ajoie; Gros-de-Vaud, Broye, rives du lac de Neuchâtel et Ajoie
- 4 Mittelland – Talzone, von Murten bis Brugg; Plateau – zone de plaine, de Morat à Brugg
- 5 Mittelland – Hügelzone, von Romont bis Zug; Plateau – zone de colline de Romont à Zug
- 6 Basler Rheintal und Ostschweiz (Teile der Kantone ZH, SH, TG, SG); Basler Rheintal et Suisse orientale (partie des cantons de ZH, SH, TG, SG).

Bern, 16.09.19