

**Table 1. longevity of culled herd-book cows per year of culling**

year culled	number )	days rearing	productive longevity )	days after last test day yield	days longevity )
<b>2021</b>	<b>245.965</b>	<b>774</b>	<b>1.376</b>	<b>30</b>	<b>2.180</b>
2020	240.216	776	1.325	31	2.132
2019	233.374	779	1.243	30	2.052
2018	318.712	781	1.216	28	2.025
2017	354.451	784	1.222	29	2.035
2016	286.347	786	1.276	30	2.092
2015	251.551	788	1.278	31	2.097
2014	269.883	790	1.284	32	2.106
2013	230.781	791	1.277	33	2.101
2012	247.359	793	1.266	33	2.092
2011	269.072	795	1.264	34	2.093
2010	259.095	796	1.282	36	2.114
2009	265.858	796	1.296	36	2.128
2008	216.179	798	1.328	39	2.164
2007	227.656	799	1.295	41	2.135
2006	241.679	800	1.264	45	2.109
2005	269.862	800	1.224	43	2.067
2004	274.508	801	1.207	43	2.051
2003	237.945	802	1.183	43	2.028
2002	296.633	802	1.147	43	1.992
2001	228.102	803	1.132	48	1.983
2000	301.375	803	1.108	46	1.957
1999	292.824	803	1.121	45	1.968
1998	279.163	802	1.150	44	1.996
1997	334.377	801	1.133	43	1.977
1996	316.198	800	1.161	46	2.007
1995	252.770	801	1.206	48	2.054
1994	272.478	801	1.171	49	2.020
1993	277.990	800	1.179	49	2.028
1992	278.229	799	1.175	54	2.027

\*) = number of cows with a maximum of 150 days between test day yield and sign out

\*\*) = days between first calving date and last sampling

\*\*) = days between birth and last culling date

(sum of days for rearing, longevity and days after last test day yield )

**Table 2. productive longevity of herd-book cows per year of culling**

year culled	nr. calvings	Ave. CI	milk days per CI	Days dry per CI	milk days last lactation	milk days total	kg milk per milkday
<b>2021</b>	<b>3,7</b>	<b>408</b>	<b>354</b>	<b>54</b>	<b>273</b>	<b>1.228</b>	<b>29,0</b>
2020	3,6	407	353	54	279	1.183	28,7
2019	3,4	407	352	55	265	1.108	28,5
2018	3,4	408	351	56	253	1.080	28,1
2017	3,4	410	353	58	254	1.084	27,5
2016	3,5	413	354	59	261	1.129	27,4
2015	3,5	415	355	60	263	1.130	27,3
2014	3,5	416	356	60	265	1.134	27,4
2013	3,4	417	356	61	280	1.128	27,3
2012	3,4	417	356	62	272	1.116	27,4
2011	3,4	417	355	62	265	1.112	27,3
2010	3,5	418	355	63	264	1.126	27,1
2009	3,5	417	354	64	269	1.138	26,8
2008	3,5	415	351	64	298	1.169	26,3
2007	3,5	413	349	65	282	1.136	26,3
2006	3,4	412	347	65	276	1.108	26,0
2005	3,3	411	346	65	260	1.071	25,9
2004	3,3	409	344	65	271	1.057	25,6
2003	3,2	406	341	65	278	1.037	25,4
2002	3,2	402	337	65	270	1.004	25,3
2001	3,2	400	335	65	264	990	25,2
2000	3,1	398	333	66	254	967	24,9
1999	3,2	397	331	66	253	976	24,5
1998	3,3	395	329	67	252	998	24,2
1997	3,3	393	326	68	235	979	23,8
1996	3,4	392	324	68	238	1.001	23,4
1995	3,4	390	321	69	255	1.038	23,1
1994	3,4	389	319	70	240	1.003	22,9
1993	3,4	387	316	72	244	1.006	22,5
1992	3,4	386	313	73	232	996	22,2

CI is calving interval

**Table 3. lifetime production herdbook cows per year of culling**

year	kg milk	% fat	%protein	kg fat	kg protein	kg fat+protein
<b>2021</b>	<b>35.624</b>	<b>4,37</b>	<b>3,57</b>	<b>1.555</b>	<b>1.271</b>	<b>2.826</b>
2020	34.000	4,36	3,56	1.481	1.210	2.691
2019	31.553	4,35	3,55	1.371	1.120	2.491
2018	30.343	4,35	3,54	1.320	1.075	2.395
2017	29.845	4,36	3,53	1.300	1.054	2.354
2016	30.967	4,35	3,53	1.347	1.093	2.440
2015	30.868	4,35	3,52	1.343	1.087	2.430
2014	30.999	4,36	3,52	1.352	1.091	2.443
2013	30.751	4,37	3,52	1.344	1.083	2.427
2012	30.536	4,37	3,51	1.333	1.073	2.406
2011	30.318	4,36	3,51	1.323	1.063	2.386
2010	30.482	4,37	3,50	1.331	1.067	2.398
2009	30.543	4,38	3,50	1.337	1.069	2.406
2008	30.777	4,39	3,50	1.352	1.078	2.430
2007	29.851	4,41	3,50	1.315	1.044	2.359
2006	28.845	4,41	3,50	1.273	1.009	2.282
2005	27.701	4,42	3,49	1.223	967	2.190
2004	27.080	4,42	3,49	1.196	944	2.140
2003	26.358	4,42	3,49	1.164	919	2.083
2002	25.401	4,41	3,48	1.120	884	2.004
2001	24.980	4,40	3,48	1.100	870	1.970
2000	24.044	4,40	3,48	1.058	837	1.895
1999	23.883	4,42	3,48	1.056	832	1.888
1998	24.125	4,44	3,49	1.070	842	1.912
1997	23.255	4,45	3,50	1.035	813	1.848
1996	23.410	4,45	3,49	1.042	818	1.860
1995	23.950	4,46	3,49	1.068	836	1.904
1994	22.924	4,45	3,48	1.021	798	1.819
1993	22.666	4,44	3,47	1.006	787	1.793
1992	22.132	4,41	3,46	977	766	1.743

**Table 4a. Rolling annual average milk production nationwide**

Period: 1 september 2020 - 31 august 2021

National	Nr farms	Ave nr. cows per farm	Ave. age	Kg. milk	% fat	% prot ein	Kg. fat	Kg. prot ein	Kg. f+p	EAR
<b>Nederland 2021</b>	<b>12.766</b>	<b>106</b>	<b>4.10</b>	<b>9.209</b>	<b>4,43</b>	<b>3,61</b>	<b>408</b>	<b>332</b>	<b>740</b>	<b>2122</b>
Nederland 2020	13.095	104	4.09	9.203	4.40	3.60	405	331	736	2111
Nederland 2019	13.493	99	4.08	9.155	4,38	3,59	401	329	730	2095
Nederland 2018	14.122	100	4.07	9.123	4,35	3,57	397	326	723	2074
Nederland 2017	14.751	102	4.07	8.706	4,36	3,57	380	311	691	1983
Nederland 2016	14.951	101	4.07	8.663	4,38	3,55	380	307	687	1968*
Nederland 2015	15.104	93	4.07	8.373	4,34	3,55	364	297	661	2124
Nederland 2014	15.155	90	4.08	8.376	4,33	3,53	363	296	659	2115
Nederland 2013	15.301	87	4.08	8.217	4,39	3,55	361	291	652	2096
Nederland 2012	15.606	82	4.07	8.335	4,38	3,54	365	295	660	2120
Nederland 2011	16.048	80	4.08	8.387	4,40	3,54	369	297	666	2141
Nederland 2010	16.455	78	4.08	8.344	4,38	3,53	365	295	660	2119

\* due to new weighting factors, from 2016 the EAR cannot be compared with previous years.

**Table 4b. Rolling annual average milk production per province**

Period: 1 september 2020 - 31 august 2021

Province	Nr.far ms	cows per farm	Ave. age	Kg. milk	% fat	% protein	Kg. fat	Kg. prote in	Kg. f+p	EAR
Zeeland	162	117	4.07	9.792	4,35	3,57	426	350	776	2229
Flevoland	223	145	4.09	9.737	4,37	3,57	426	348	773	2219
Noord Brabant	1.576	114	4.07	9.534	4,44	3,62	423	346	768	2204
Gelderland	2.196	95	4.10	9.253	4,48	3,62	415	335	749	2145
Overijssel	2.447	95	4.10	9.237	4,47	3,62	413	335	747	2141
Drenthe	810	119	4.09	9.306	4,40	3,59	410	334	744	2133
Limburg	376	110	4.07	9.207	4,46	3,62	411	334	744	2132
Friesland	2.015	121	4.11	9.119	4,39	3,61	400	329	730	2095
Groningen	669	128	4.11	9.043	4,42	3,59	400	325	724	2077
Noord-Holland	676	103	5.00	8.899	4,40	3,61	392	321	713	2046
Utrecht	846	85	5.00	8.882	4,41	3,60	392	319	711	2039
Zuid-Holland	770	92	5.01	8.775	4,39	3,58	385	315	699	2006



Table 5a

**Rolling annual average top 25 milk recording (MPR) farms Netherlands**  
 Period 1 september 2020 - 31 august 2021

Rank	name	location	Nr. Cows	Ave age	kg milk	% fat	%protein	kg fat	kg protein	EAR	milkings per day
1	Melkveebedrijf Krol VOF	Boekel	84	3.08	15.041	4,17	3,55	627	535	3363	2
2	Mts Mooijman	Westerwytwerd	147	5.03	15.326	3,64	3,36	558	515	3160	3
3	Mts Raamsteeboers-Poorterman	Hellendoorn	96	4.10	15.300	3,58	3,39	547	519	3154	3
4	Molkfeebedriuw van der Mark	Veenwouden	121	5.02	13.795	4,05	3,60	559	497	3081	A
5	Vreba Melkvee CV	De Rips	233	3.10	14.593	3,78	3,37	552	491	3050	3
6	Melkveebedrijf van Berkum	Elahuizen	314	4.07	14.253	3,74	3,50	533	499	3044	3
7	G J Dogger	Beerzerveld	85	3.11	14.632	3,54	3,44	518	504	3034	A
8	Mts A M& A Stol	Grijpskerk	65	4.02	13.503	4,04	3,59	546	485	3008	A
9	J J M Nieuwenhuizen	Zevenhoven	113	4.08	13.468	4,20	3,50	565	471	2989	A
10	Melkveebedrijf van der Wal VOF	Urk	71	4.09	13.734	4,02	3,46	552	475	2980	A
11	Mts R H J en J N J Dogger	Beerzerveld	173	4.04	13.584	3,99	3,47	542	472	2949	A
12	T van Vliet	Nieuwlande	96	4.05	13.295	4,36	3,41	580	454	2949	3
13	Mts J L M & H M J Verhoeven-Geboers	Liessel	178	4.01	13.161	4,09	3,59	538	473	2941	A
14	VOF van der Ham-Jansen	Nieuwland	86	5.00	13.023	4,19	3,58	545	466	2926	3
15	Vof van den Acker	Erp	98	4.07	13.106	4,12	3,57	539	468	2923	A
16	J B de Lange	Kloosterburen	126	4.09	13.373	3,89	3,55	520	474	2915	A
17	J & A & W Manders VOF	Milheeze	144	4.05	13.026	4,19	3,55	546	462	2913	A
18	VOF Vendrig	Amsterdam	51	5.03	12.603	4,43	3,62	558	457	2911	A
19	Mts van der Zijl	Makkinga	104	5.03	12.716	4,20	3,66	534	466	2903	A
20	Mts W A, W J & H Wijnhout-Nijman	Wijhe	206	5.02	12.818	4,29	3,57	550	458	2903	A
21	M. Wagenvoort	Vorden	123	4.11	13.227	4,12	3,46	545	458	2898	A
22	R en S Beulink	Zelhem	100	5.01	13.377	3,92	3,49	525	467	2897	A
23	Mts K & A Stoker	Ny Beets	195	4.10	12.456	4,11	3,81	512	474	2891	A
24	Mts A & H E den Uijl-Postema	Kamperveen	174	3.10	11.485	4,76	4,00	547	460	2891	3
25	Landbouwbedrijf van Creij BV	Landhorst	162	4.08	12.699	4,31	3,57	548	454	2886	A

**Table 5b. Average lifetime production at culling top 10 milk recording (MPR) farms Netherlands**

Period 1 september 2020 - 31 august 2021

Rank	name	location	Nr. cows	age	kg milk	% fat	% protein	kg fat	kg protein	kg fat + kg protein	kg milk / prod. day	nr. lactations	nr. milkings
1	Mts. Lammertink-Lansink	Enter	10	9.09	75.271	4,41	3,63	3.318	2.729	6.047	30,0	6,9	2
2	Mts H J S & J T M Steverink-Raben	Silvolde	17	8.05	79.697	4,15	3,42	3.304	2.724	6.028	38,2	6,1	A
3	C A J W en A J F M Peeters	Kessel Lb	12	9.06	74.597	4,53	3,49	3.377	2.606	5.983	31,4	7,1	A
4	Mts R Schukken en S R Miedema	Hilaard	11	9.05	73.723	4,28	3,62	3.155	2.665	5.820	31,3	6,6	2
5	E C J Zandvliet	Langezwaag	12	9.05	76.455	4,05	3,39	3.094	2.590	5.684	32,4	6,4	2
6	Fa Spek	Tricht	11	8.08	67.886	4,62	3,56	3.135	2.414	5.549	31,9	5,9	2
7	D T Schep	Meedhuizen	35	9.05	67.123	4,45	3,71	2.985	2.489	5.474	30,5	6,9	2
8	Boerderij Bosgoed	Denekamp	20	7.10	60.600	4,87	3,84	2.950	2.325	5.275	31,8	5,4	2
9	Mts H. & J G B Huiskamp-Naaldenberg	Winterswijk Kotten	10	8.09	69.447	4,05	3,50	2.816	2.429	5.245	32,7	6,4	2
10	A J M & A P A & B A van der Burg-Versteeg	Steendam	23	8.01	65.180	4,43	3,59	2.887	2.341	5.228	33,3	5,8	3

**Table 5c Average lifetime production cows present top 10 milk recording (MPR) farms Netherlands**

Period 1 september 2020 - 31 august 2021

Rank	name	location	Nr. cows	Ave age	kg milk	% fat	% protein	kg fat	kg protein	kg fat & kg protein	kg milk / prod. day	nr. of lactations	nr. Of milkings
1	A J Rosegaar	Pesse	52	7.01	58.575	4,17	3,40	2.441	1.991	4.432	36,1	5,3	2
2	Provimi BV	Velddriel	16	6.05	54.653	4,21	3,47	2.301	1.895	4.196	36,4	4,5	2
3	H Oudenes	Stolwijk	26	7.11	52.463	4,37	3,62	2.292	1.899	4.191	28,9	4,9	2
4	Mts J J & H G Veneklaas-Linthorst	Bornerbroek	46	7.04	50.465	4,53	3,64	2.286	1.836	4.122	30,6	4,9	2
5	J G van Essen	Uddel	20	7.07	48.052	4,79	3,46	2.302	1.661	3.963	27,3	4,8	2
6	De Meerakker VOF	Eerde Veghel	33	6.05	46.212	4,78	3,71	2.207	1.715	3.922	31,4	4,1	A
7	Mts. A W M, A G E M, G H Olthof	Marienheem	82	6.04	46.940	4,60	3,69	2.159	1.734	3.893	32,7	4,5	A
8	Melkveebedrijf Zijp ZuidoostBeemster	Zuidoostbeemster	66	6.10	49.965	4,20	3,53	2.101	1.762	3.863	32,9	4,3	A
9	Mts Evenhuis	Borculo	64	6.11	46.579	4,53	3,62	2.110	1.686	3.796	30,1	4,9	A
10	Melkveebedrijf H & H L & J van Zijtveld-Bos	De Glind	108	6.00	46.556	4,37	3,56	2.034	1.656	3.690	34,4	4,0	2

Table 6 a.

## Lactation milk production Dutch herdbook cows

Breed averages period 1 september 2020 - 31 august 2021

Breed	year	Nr. of cows	Age of calving	days	Kg. milk	% fat	% protein	Kg. fat	Kg. protein	Kg. f+p	EAR	305-dagen lactatie				
												kg M	%F	%P	kg F	kg P
<b>HF Black &amp; White</b>	<b>2021</b>	<b>588.280</b>	<b>3.11</b>	<b>359</b>	<b>10.775</b>	<b>4,35</b>	<b>3,58</b>	<b>469</b>	<b>386</b>	<b>854</b>	<b>2174</b>	<b>9.684</b>	<b>4,30</b>	<b>3,52</b>	<b>416</b>	<b>341</b>
	2020	589.930	3.10	358	10.688	4,34	3,56	464	381	844	2153	9.611	4,29	3,52	412	338
	2019	574.005	3.09	355	10.522	4,30	3,54	452	373	825	2118	9.511	4,24	3,50	403	333
	2018	596.695	3.09	353	10.258	4,30	3,55	441	364	805	2074	9.289	4,25	3,51	395	326
	2017	623.031	3.09	354	9.958	4,32	3,52	430	351	781	1988	9.029	4,28	3,49	386	315
<b>HF Red &amp; White</b>	<b>2021</b>	<b>117.942</b>	<b>4.00</b>	<b>356</b>	<b>9.933</b>	<b>4,56</b>	<b>3,67</b>	<b>453</b>	<b>365</b>	<b>817</b>	<b>2078</b>	<b>9.000</b>	<b>4,49</b>	<b>3,62</b>	<b>404</b>	<b>326</b>
	2020	120.718	3.11	356	9.838	4,54	3,67	447	361	808	2056	8.923	4,49	3,62	401	323
	2019	118.771	3.10	353	9.718	4,50	3,65	437	355	792	2033	8.870	4,44	3,61	394	320
	2018	126.163	3.09	350	9.503	4,50	3,65	428	347	775	1998	8.696	4,45	3,60	387	313
	2017	133.162	3.09	350	9.233	4,53	3,63	418	335	753	1919	8.469	4,48	3,58	379	303
<b>MRIJ</b>	<b>2021</b>	<b>5.583</b>	<b>4.07</b>	<b>345</b>	<b>7.503</b>	<b>4,57</b>	<b>3,75</b>	<b>343</b>	<b>281</b>	<b>624</b>	<b>1619</b>	<b>6.965</b>	<b>4,51</b>	<b>3,70</b>	<b>314</b>	<b>258</b>
	2020	5.904	4.05	341	7.367	4,55	3,75	335	276	611	1601	6.881	4,49	3,69	309	254
	2019	5.950	4.04	338	7.317	4,48	3,73	328	273	601	1588	6.866	4,44	3,68	305	253
	2018	6.571	4.03	336	7.225	4,47	3,74	323	270	593	1576	6.792	4,43	3,70	301	251
	2017	7.107	4.03	334	7.037	4,49	3,71	316	261	577	1524	6.654	4,45	3,67	296	244
<b>MRIJ 50 - 75%</b>	<b>2021</b>	<b>7.125</b>	<b>4.06</b>	<b>345</b>	<b>8.234</b>	<b>4,54</b>	<b>3,70</b>	<b>374</b>	<b>305</b>	<b>678</b>	<b>1760</b>	<b>7.638</b>	<b>4,49</b>	<b>3,67</b>	<b>343</b>	<b>280</b>
	2020	7.732	4.03	341	8.122	4,53	3,69	368	300	668	1753	7.575	4,49	3,66	340	277
	2019	7.957	4.00	338	7.950	4,49	3,69	357	293	650	1720	7.455	4,45	3,65	332	272
	2018	8.218	4.00	336	7.733	4,50	3,69	348	285	633	1682	7.282	4,46	3,65	325	266
	2017	8.250	4.01	336	7.538	4,52	3,66	341	276	617	1622	7.087	4,47	3,63	317	257
<b>FH</b>	<b>2021</b>	<b>652</b>	<b>4.07</b>	<b>360</b>	<b>7.469</b>	<b>4,57</b>	<b>3,68</b>	<b>341</b>	<b>275</b>	<b>616</b>	<b>1522</b>	<b>6.726</b>	<b>4,49</b>	<b>3,63</b>	<b>302</b>	<b>244</b>
	2020	724	4.05	352	7.324	4,52	3,67	331	269	600	1530	6.713	4,44	3,62	298	243
	2019	678	4.02	345	7.191	4,51	3,66	324	263	588	1518	6.649	4,45	3,61	296	240
	2018	671	4.03	340	6.974	4,52	3,64	315	254	569	1476	6.491	4,47	3,59	290	233
	2017	709	4.01	345	6.953	4,56	3,61	317	251	568	1445	6.425	4,50	3,56	289	229
<b>FH 50 - 75%</b>	<b>2021</b>	<b>543</b>	<b>4.04</b>	<b>350</b>	<b>7.962</b>	<b>4,43</b>	<b>3,58</b>	<b>353</b>	<b>285</b>	<b>638</b>	<b>1626</b>	<b>7.268</b>	<b>4,38</b>	<b>3,54</b>	<b>318</b>	<b>257</b>
	2020	539	4.02	350	7.831	4,44	3,60	348	282	630	1612	7.141	4,38	3,56	313	254
	2019	550	4.02	347	7.886	4,44	3,58	350	282	632	1641	7.230	4,38	3,54	317	256
	2018	603	4.00	342	7.664	4,49	3,59	344	275	619	1617	7.091	4,43	3,55	314	252
	2017	684	4.01	340	7.355	4,51	3,55	332	261	593	1521	6.821	4,46	3,50	304	239



<b>Blaarkop</b>	<b>2021</b>	<b>865</b>	<b>4.05</b>	<b>329</b>	<b>5.955</b>	<b>4,35</b>	<b>3,66</b>	<b>259</b>	<b>218</b>	<b>477</b>	<b>1283</b>	<b>5.655</b>	<b>4,33</b>	<b>3,64</b>	<b>245</b>	<b>206</b>
	2020	744	4.06	332	6.183	4,35	3,66	269	226	495	1339	5.856	4,30	3,62	252	212
	2019	756	4.06	330	6.295	4,38	3,62	276	228	504	1361	5.993	4,34	3,59	260	215
	2018	830	4.03	325	6.027	4,36	3,65	263	220	483	1319	5.784	4,34	3,61	251	209
	2017	858	4.04	322	5.948	4,39	3,60	261	214	475	1281	5.756	4,34	3,58	250	206
<b>Blaarkop 50 - 75%</b>	<b>2021</b>	<b>1.406</b>	<b>4.09</b>	<b>330</b>	<b>7.137</b>	<b>4,39</b>	<b>3,61</b>	<b>313</b>	<b>258</b>	<b>571</b>	<b>1535</b>	<b>6.783</b>	<b>4,35</b>	<b>3,58</b>	<b>295</b>	<b>243</b>
	2020	1.518	4.08	333	7.074	4,37	3,60	309	255	564	1510	6.691	4,33	3,57	290	239
	2019	1.610	4.06	330	7.068	4,37	3,59	309	254	563	1501	6.689	4,34	3,56	290	238
	2018	1.791	4.04	323	6.900	4,35	3,59	300	248	548	1492	6.634	4,33	3,57	287	237
	2017	2.094	4.02	324	6.696	4,39	3,57	294	239	533	1443	6.440	4,36	3,56	281	229
<b>Jersey</b>	<b>2021</b>	<b>3.456</b>	<b>3.09</b>	<b>355</b>	<b>6.874</b>	<b>6,02</b>	<b>4,26</b>	<b>414</b>	<b>293</b>	<b>707</b>	<b>1755</b>	<b>6.176</b>	<b>5,93</b>	<b>4,19</b>	<b>366</b>	<b>259</b>
	2020	2.899	3.09	351	6.779	5,94	4,22	403	286	689	1724	6.133	5,87	4,17	360	256
	2019	2.524	3.08	352	6.911	5,87	4,20	406	290	696	1745	6.222	5,79	4,13	360	257
	2018	2.189	3.07	356	6.846	5,93	4,24	406	290	696	1721	6.110	5,84	4,19	357	256
	2017	2.254	3.02	343	6.162	5,87	4,19	362	258	620	1575	5.668	5,80	4,13	329	234
<b>Jersey 50 - 75%</b>	<b>2021</b>	<b>2.891</b>	<b>3.05</b>	<b>342</b>	<b>8.258</b>	<b>5,04</b>	<b>3,85</b>	<b>416</b>	<b>318</b>	<b>734</b>	<b>1911</b>	<b>7.622</b>	<b>4,99</b>	<b>3,82</b>	<b>380</b>	<b>291</b>
	2020	2.410	3.04	344	8.312	5,00	3,81	416	317	732	1899	7.608	4,96	3,77	377	287
	2019	1.726	3.05	337	8.088	5,01	3,81	405	308	713	1875	7.527	4,97	3,77	374	284
	2018	1.257	3.09	343	8.064	5,08	3,83	410	309	719	1851	7.431	5,03	3,79	374	282
	2017	1.186	4.01	336	7.691	5,07	3,78	390	291	681	1749	7.189	5,04	3,76	362	270
<b>Montbeliarde</b>	<b>2021</b>	<b>1.037</b>	<b>4.06</b>	<b>341</b>	<b>8.828</b>	<b>4,29</b>	<b>3,56</b>	<b>379</b>	<b>314</b>	<b>693</b>	<b>1827</b>	<b>8.186</b>	<b>4,25</b>	<b>3,53</b>	<b>348</b>	<b>289</b>
	2020	1.124	4.04	335	8.745	4,24	3,53	371	309	679	1800	8.231	4,23	3,51	348	289
	2019	1.140	4.01	338	8.671	4,24	3,54	368	307	675	1790	8.094	4,21	3,51	341	284
	2018	1.301	4.00	335	8.463	4,28	3,54	362	300	662	1782	7.967	4,26	3,53	339	281
	2017	1.413	3.10	331	8.067	4,31	3,53	348	285	633	1703	7.648	4,29	3,52	328	269
<b>Montbeliarde 50 - 75%</b>	<b>2021</b>	<b>11.803</b>	<b>4.01</b>	<b>344</b>	<b>9.772</b>	<b>4,37</b>	<b>3,58</b>	<b>427</b>	<b>350</b>	<b>777</b>	<b>2041</b>	<b>9.013</b>	<b>4,34</b>	<b>3,55</b>	<b>391</b>	<b>320</b>
	2020	11.560	4.00	341	9.625	4,35	3,56	419	343	761	2013	8.919	4,32	3,53	385	315
	2019	10.899	3.10	338	9.350	4,33	3,55	405	332	737	1961	8.733	4,29	3,53	375	308
	2018	11.025	3.09	335	9.089	4,32	3,56	393	324	717	1922	8.544	4,28	3,53	366	302
	2017	10.622	3.09	332	8.683	4,33	3,55	376	308	684	1827	8.210	4,31	3,52	354	289

<b>Brown Swiss</b>	<b>2021</b>	<b>281</b>	<b>3.11</b>	<b>365</b>	<b>8.923</b>	<b>4,62</b>	<b>3,68</b>	<b>412</b>	<b>328</b>	<b>741</b>	<b>1827</b>	<b>7.859</b>	<b>4,54</b>	<b>3,63</b>	<b>357</b>	<b>285</b>
	2020	233	4.00	366	9.043	4,68	3,70	423	335	758	1849	7.928	4,63	3,66	367	290
	2019	233	3.11	363	9.034	4,65	3,70	420	334	754	1872	7.993	4,58	3,65	366	292
	2018	233	3.11	350	8.493	4,63	3,69	393	313	706	1790	7.682	4,58	3,66	352	281
	2017	270	3.09	349	8.327	4,62	3,65	385	304	689	1748	7.548	4,58	3,62	346	273
<b>Brown Swiss 50 - 75%</b>	<b>2021</b>	<b>10.720</b>	<b>4.05</b>	<b>349</b>	<b>10.075</b>	<b>4,45</b>	<b>3,64</b>	<b>448</b>	<b>367</b>	<b>815</b>	<b>2108</b>	<b>9.205</b>	<b>4,40</b>	<b>3,60</b>	<b>405</b>	<b>331</b>
	2020	11.134	4.02	349	9.969	4,44	3,64	443	363	805	2090	9.104	4,39	3,59	400	327
	2019	11.203	3.10	345	9.766	4,41	3,62	431	354	784	2059	8.974	4,37	3,59	392	322
	2018	11.363	3.07	341	9.385	4,42	3,63	415	341	756	2003	8.679	4,38	3,59	380	312
	2017	10.991	3.05	337	8.827	4,45	3,61	393	319	712	1888	8.238	4,42	3,58	364	295
<b>Fleckvieh</b>	<b>2021</b>	<b>2.310</b>	<b>3.08</b>	<b>332</b>	<b>8.220</b>	<b>4,42</b>	<b>3,56</b>	<b>363</b>	<b>293</b>	<b>656</b>	<b>1762</b>	<b>7.781</b>	<b>4,38</b>	<b>3,55</b>	<b>341</b>	<b>276</b>
	2020	2.082	3.08	333	8.081	4,38	3,56	354	288	642	1732	7.622	4,36	3,54	332	270
	2019	1.793	3.08	328	8.075	4,32	3,55	349	287	636	1725	7.696	4,30	3,53	331	272
	2018	1.779	3.07	323	7.840	4,31	3,56	338	279	617	1706	7.546	4,28	3,54	323	267
	2017	1.635	3.07	320	7.541	4,30	3,53	324	266	590	1630	7.286	4,28	3,51	312	256
<b>Fleckvieh 50 - 75%</b>	<b>2021</b>	<b>26.002</b>	<b>4.03</b>	<b>337</b>	<b>9.248</b>	<b>4,40</b>	<b>3,59</b>	<b>407</b>	<b>332</b>	<b>739</b>	<b>1965</b>	<b>8.670</b>	<b>4,36</b>	<b>3,55</b>	<b>378</b>	<b>308</b>
	2020	27.165	4.01	336	9.187	4,39	3,58	403	329	732	1956	8.637	4,35	3,55	376	307
	2019	26.677	3.11	333	9.044	4,36	3,57	394	323	717	1930	8.547	4,33	3,55	370	303
	2018	27.568	3.09	329	8.732	4,37	3,57	382	312	694	1892	8.316	4,34	3,55	361	295
	2018	27.568	3.09	329	8.732	4,37	3,57	382	312	694	1892	8.316	4,34	3,55	361	295
<b>Noors Rb 50-75%</b>	<b>2021</b>	<b>4.830</b>	<b>4.04</b>	<b>340</b>	<b>9.379</b>	<b>4,37</b>	<b>3,60</b>	<b>410</b>	<b>338</b>	<b>748</b>	<b>1966</b>	<b>8.778</b>	<b>4,33</b>	<b>3,57</b>	<b>380</b>	<b>313</b>
	2020	5.503	4.00	338	9.255	4,38	3,60	405	333	739	1960	8.676	4,33	3,56	376	309
	2019	5.877	3.08	336	9.117	4,35	3,59	397	327	724	1933	8.584	4,32	3,55	371	305
	2018	5.904	3.05	332	8.861	4,37	3,59	387	318	705	1911	8.387	4,34	3,57	364	299
	2017	5.678	3.03	328	8.446	4,39	3,58	371	302	673	1818	8.045	4,36	3,56	351	286
<b>Zweeds Rb 50 - 75 %</b>	<b>2021</b>	<b>5.634</b>	<b>5.04</b>	<b>346</b>	<b>9.623</b>	<b>4,49</b>	<b>3,62</b>	<b>432</b>	<b>348</b>	<b>780</b>	<b>2030</b>	<b>8.928</b>	<b>4,45</b>	<b>3,57</b>	<b>397</b>	<b>319</b>
	2020	7.223	4.10	343	9.447	4,50	3,62	425	342	767	2004	8.787	4,45	3,57	391	314
	2019	8.189	4.05	339	9.359	4,48	3,60	419	337	756	2004	8.779	4,44	3,57	390	313
	2018	9.828	3.11	335	8.997	4,51	3,62	406	326	732	1955	8.481	4,47	3,60	379	305
	2017	10.947	3.05	332	8.426	4,56	3,61	384	304	688	1836	7.979	4,52	3,58	361	286

Table 6 b.

**Lactation milk production Dutch herdbook cows**  
 Group averages period 1 september 2020 - 31 august 2021  
*1st line: lactation averages / 2nd line: 305-day production*

Rasgroep	aantal koeien		dgn.	Kg. melk	% vet	% eiwit	Kg. vet	Kg. eiwit	Kg. v+e	EJR
<b>Black &amp; White '20-'21</b>	<b>656.572</b>	<b>3.11</b>	<b>358</b>	<b>10.720</b>	<b>4,36</b>	<b>3,58</b>	<b>467</b>	<b>384</b>	<b>851</b>	<b>2171</b>
			<b>305</b>	<b>9.645</b>	<b>4,29</b>	<b>3,53</b>	<b>414</b>	<b>340</b>	<b>754</b>	
Black & White '19-'20	659.651	3.10	357	10.623	4,34	3,57	461	379	840	2149
			305	9.563	4,29	3,52	410	337	747	
Black & White '18-'19	642.655	3.09	354	10.448	4,30	3,55	449	371	820	2112
			305	9.458	4,25	3,50	402	331	733	
Black & White '17-'18	670.780	3.09	352	10.167	4,31	3,55	438	361	799	2066
			305	9.225	4,26	3,51	393	324	717	
Black & White '16-'17	700.441	3.09	353	9.856	4,32	3,53	426	348	774	1978
			305	8.953	4,28	3,48	383	312	695	
<b>Red &amp; White '20-'21</b>	<b>181.641</b>	<b>4.01</b>	<b>352</b>	<b>9.583</b>	<b>4,55</b>	<b>3,67</b>	<b>436</b>	<b>352</b>	<b>788</b>	<b>2025</b>
			<b>305</b>	<b>8.739</b>	<b>4,50</b>	<b>3,63</b>	<b>393</b>	<b>317</b>	<b>710</b>	
Red & White '19-'20	184.147	4.00	352	9.498	4,55	3,66	432	348	780	2006
			305	8.667	4,49	3,62	389	314	703	
Red & White '18-'19	180.019	3.10	348	9.377	4,50	3,65	422	342	764	1982
			305	8.610	4,45	3,61	383	311	694	
Red & White '17-'18	190.006	3.09	346	9.159	4,50	3,66	412	335	747	1946
			305	8.433	4,45	3,60	375	304	679	
Red & White '16-'17	200.046	3.09	346	8.863	4,52	3,63	401	322	723	1864
			305	8.183	4,47	3,58	366	293	659	