



Annual

HOLSTEIN CATTLE BREEDERS ASSOCIATION OF THE CZECH REPUBLIC

report

2023





CHORUSIC REDROCK LUCILLE 24 ET - National Champion



DV CILINA - Reserve Champion



VYSOKA DAISY - Best first lactation cow



CIHLAR BAROLO MIA - Best heifer

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1. Introduction

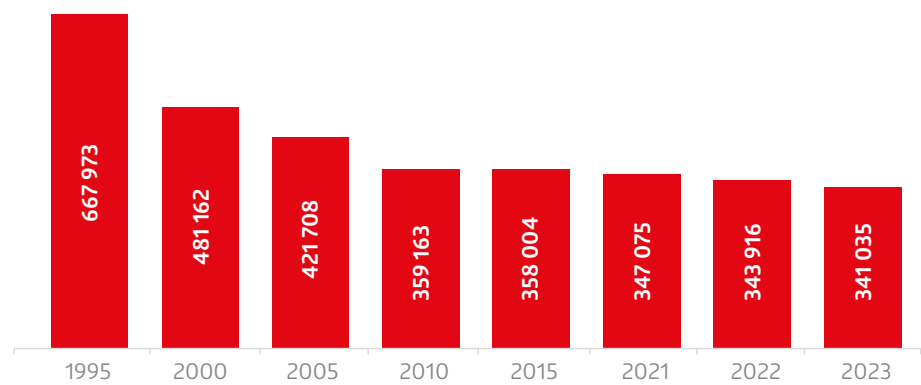
Dear readers,

Annual Report is a comprehensive source of basic information about the status and efficiency of the Czech Holstein population, best herds and animals. It has been issued as a separate publication for 20 years. In this form you can also obtain results concerning the last test (recording year) year. In case of interest you can ask for these results on the address: office@holstein.cz.

Basic information on milk recording results including the outcome of the Association's competition is part of the information available at the Holstein Cattle Breeders Association of the Czech Republic. The latest data are regularly published on the website of the Association (www.holstein.cz). Other important information can be obtained on the website of cooperating companies the Czech-Moravian Breeders Corporation (www.cmsch.cz) and Plemdat, Ltd. (www.plemdat.cz)

2. Development of the number of milk recorded cows and their breed structure

Year	Rec. cows	Index	
		to prev. year	to 1995
1995	667 973		
2000	481 162	95,9	72,0
2005	421 708	98,9	63,1
2010	359 163	96,2	53,8
2015	358 004	100,3	53,6
2021	347 075	100,0	52,0
2022	343 916	99,1	51,5
2023	341 035	99,2	51,1

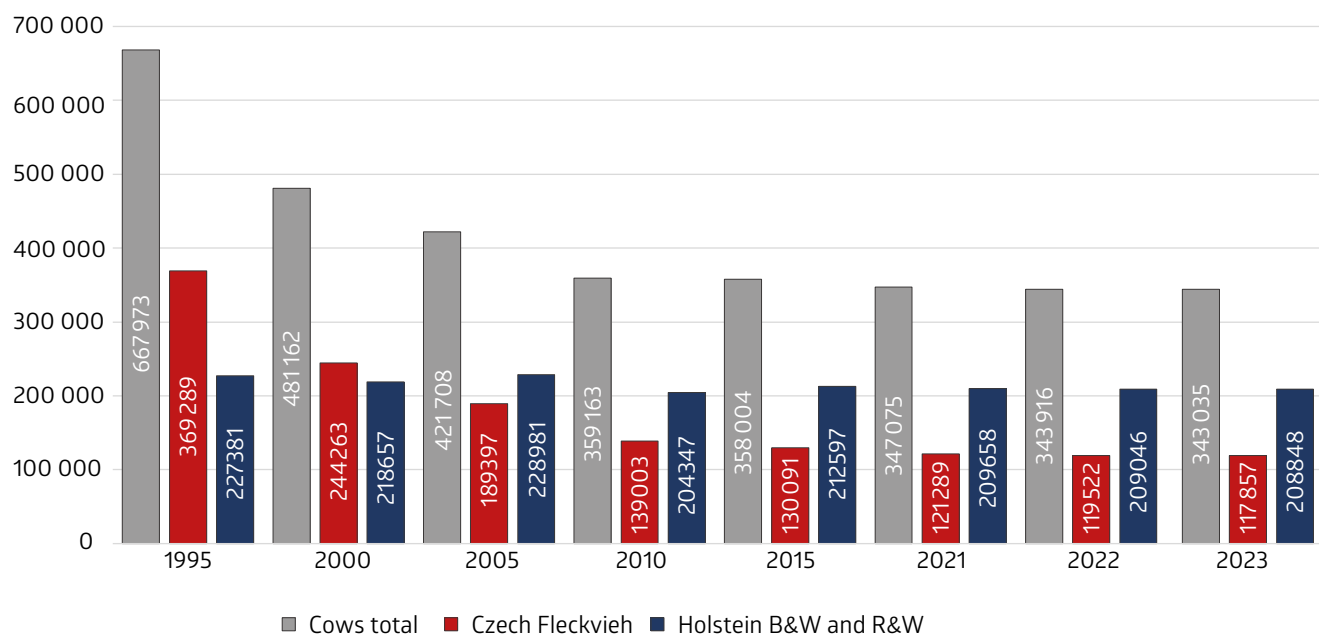


NUMBER OF MILK RECORDED COWS

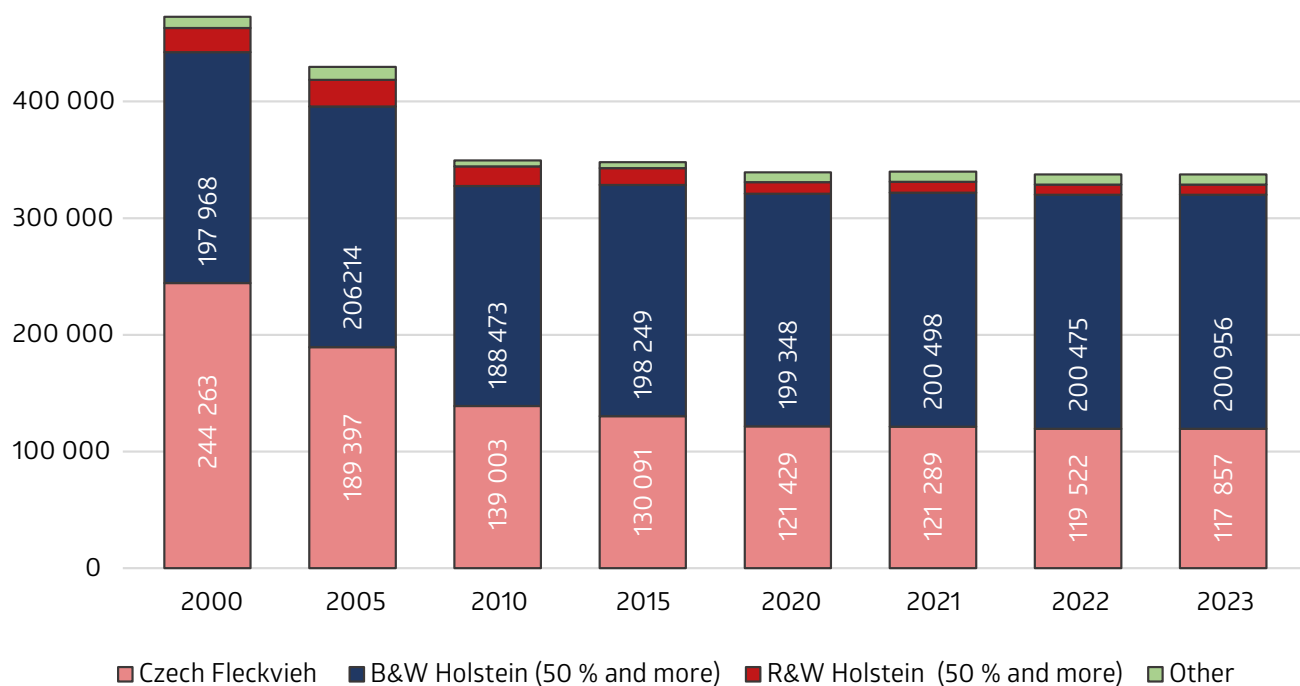
61,2 % Holstein cows

176 748 finished lactations of Holstein breed

2.1 Breed structure development in milk recorded cows since 1995



2.2 Breed structure development in milk recorded cows



MILK 2022/2023

10 743 kg average
milk production

3,85 % average milk fat

414 kg average fat
production

3,37 % average milk
protein

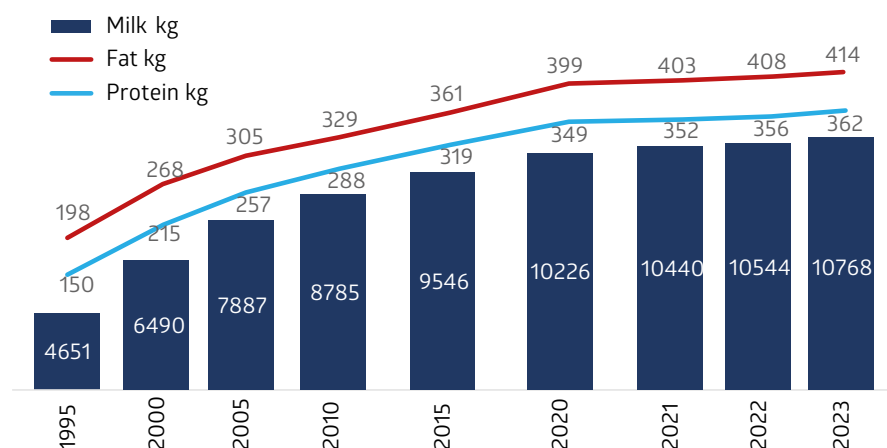
362 kg average protein
production

392 intercalving interval

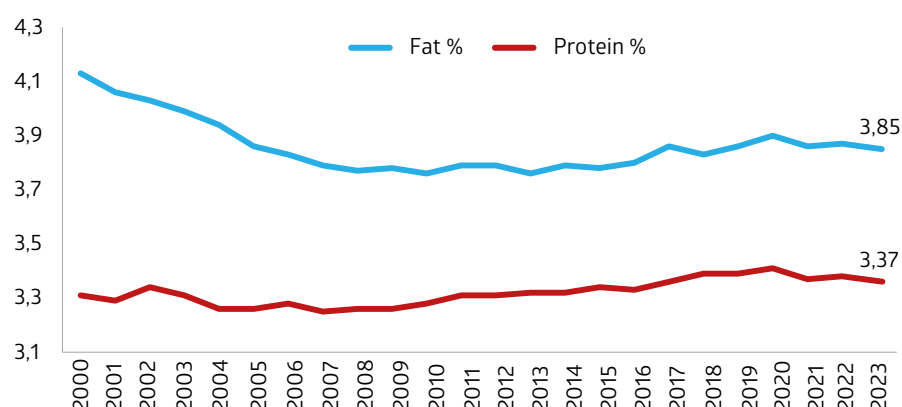
31 731 kg average
lifetime milk yield



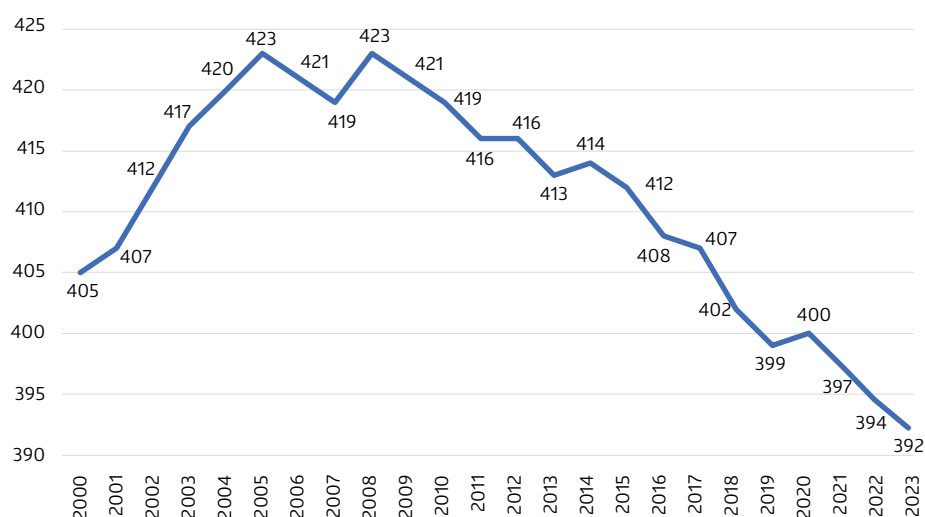
3. Production development of milk recorded Holstein cows in the year 2022/2023



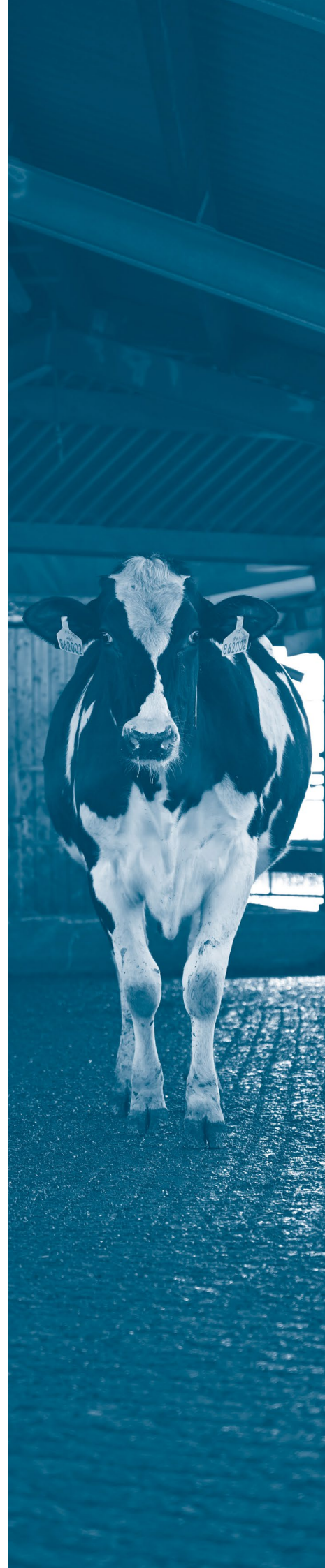
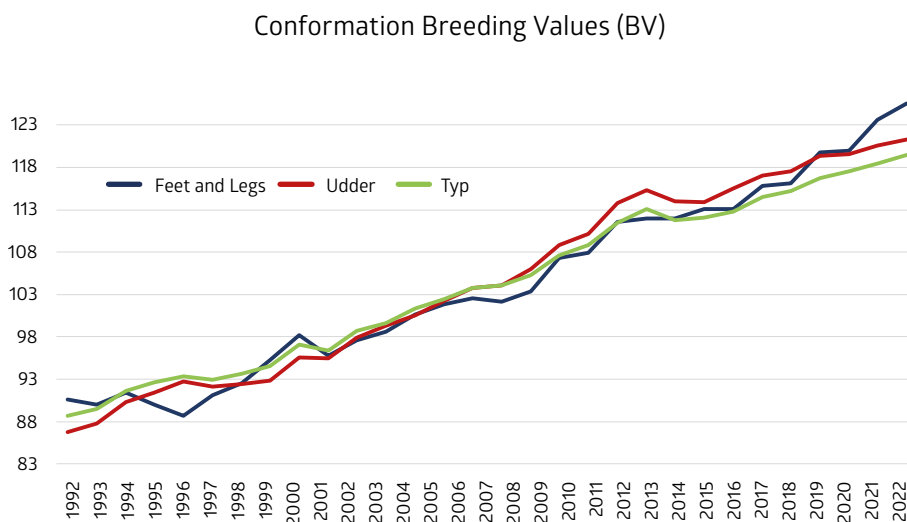
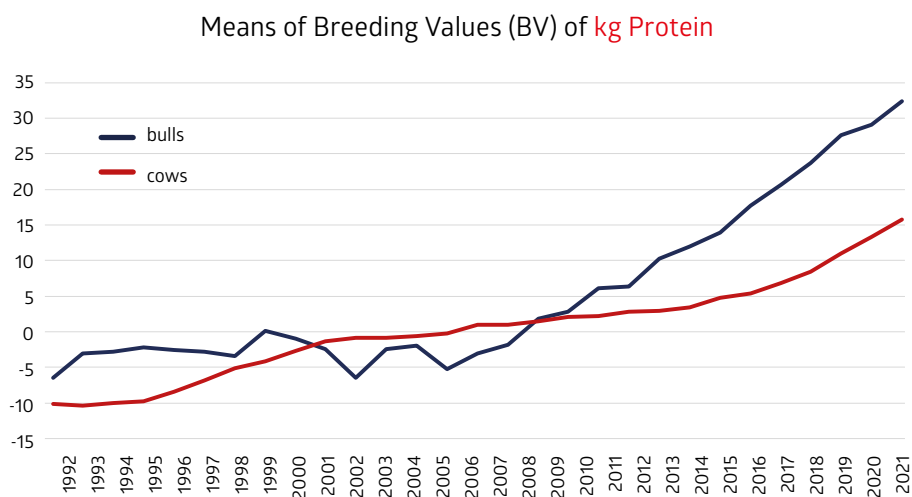
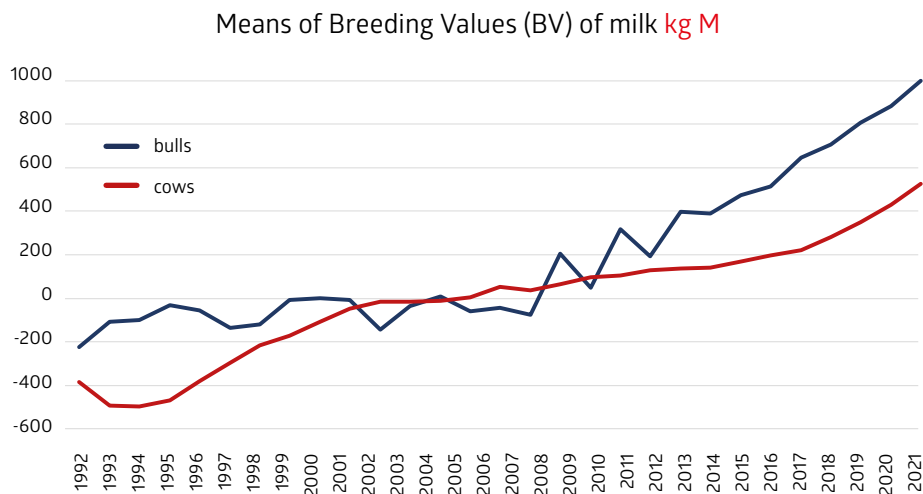
3.1 Milk fat and protein content of milk recorded cows



3.2 Intercalving interval of milk recorded Holstein cows



3.3 Means of Breeding Values of Holstein cows and bulls according to the year of birth



4. Best herds and cows according to the fat and protein production per lactations completed in the test year 2022/2023

4.1 Best herds in milk production in the test year 2022/2023

Rank	Breeder	Farm	Records	M kg	F %	F kg	P %	P kg	F+P kg
1	VYJIDACEK RADOMIR	VYSEHORKY 5	38	14442	3,62	523	3,19	461	984
2	AGRAS BOHDALOV, A.S.	BOHDALOV VKK	788	13778	3,69	509	3,3	455	964
3	ZS OSTRETIN A.S.	OSTRETIN-NK	584	13421	3,75	503	3,43	460	963
4	AGROPODNIK KOSETICE	CHYSNA II	385	12812	4,17	534	3,35	429	963
5	ZEAS PUCLICE A.S.	BUKOVEC	771	13426	3,69	496	3,36	452	948
6	AG SKORENICE A.S.	UJEZD	511	12339	4,21	519	3,43	423	942
7	LUKA, A.S.	VYS.STUDNICE VKK	755	12926	3,83	496	3,42	442	938
8	ZD SLOUPNICE	DOLNI SLOUPNICE MF	529	13175	3,82	503	3,28	432	935
9	ZP KEBLOV, A.S.	MNICHOVICE	292	13119	3,65	479	3,43	450	929
10	AGRODAM HOREPNIK SRO	HOREPNIK	369	13488	3,72	502	3,17	427	929
11	KOPECKY PAVEL	JIRETICE	133	12188	4,15	505	3,46	421	926
12	ZEVAS VRACLAV A.S.	SEDLIC	381	13033	3,84	501	3,24	423	924
13	ZD SLOUPNICE	RETOVA	264	12957	3,71	481	3,39	439	920
14	ZS VILEMOV, A.S.	UHELNA PRIBRAM I	1087	12571	3,87	487	3,42	430	917
15	AGRODRUZST.SEBRANICE	POHORA VKK	202	12803	3,79	485	3,34	428	913
16	ROZVODI CERNOV S.R.O	CERNOV VKK	485	12273	4,01	492	3,42	420	912
17	AGROBOS, SPOL.S R.O.	SLATINA	125	12890	3,68	475	3,38	435	910
18	ZEM.SPOL.KOMORNO A.S	CHOCENICKA LHOTA	600	12730	3,75	477	3,38	431	908
19	ROLNICKA A.S.KRALIKY	PETROVICE	593	12730	3,85	490	3,27	416	906
20	ZOD BRNISTE	VELKY GRUNOV VKK	641	12940	3,75	486	3,24	419	905

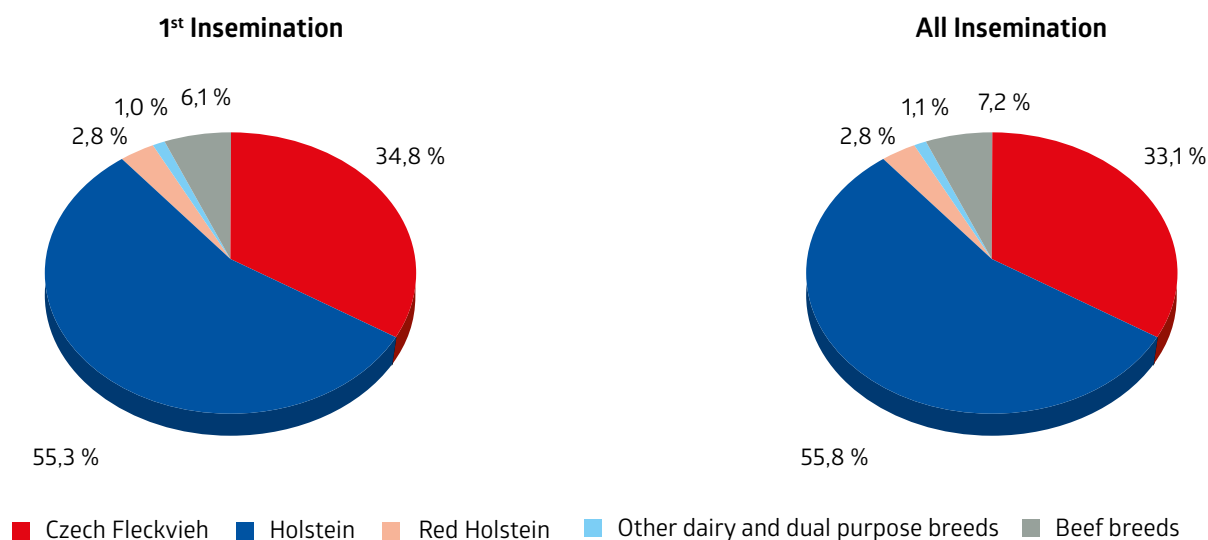
4.2 Breeding cows with the highest production per standardized lactation completed in the test year 2022/2023

Rank	Cow	Breeder	Sire	Lac	LD	M kg	F %	F kg	P %	P kg	F+P kg
1	CZ000261572962	ZD JIRICE U MIROSLA.	ALFONS	3	355	18874	4,99	941	3,18	601	1542
2	CZ000283353962	ZD JIRICE U MIROSLA.	VITESSE	3	616	17532	5,25	920	3,47	609	1529
3	CZ000429246952	ZS KRATONOHY A.S.	IMPRESSION	2	307	18353	4,24	779	3,95	725	1504
4	CZ000724958961	AGROPODNIK KOSETICE	SKYFALL	4	355	17316	4,98	863	3,54	613	1476
5	CZ000467635921	VOD ZDISLAVICE	ALTANEUTRON	3	357	21066	3,77	794	3,12	658	1452
6	CZ000402523953	ZS OSTRETIN A.S.	POLLEDSTAR	3	350	17725	4,76	844	3,42	607	1451
7	CZ000415808953	AGRODRUZST.SEBRANICE	FROSTY	2	381	19780	3,78	747	3,44	680	1427
8	CZ000501124921	I.ZAS CHORUSICE	SALOON	2	310	18339	4,22	773	3,57	654	1427
9	CZ000762309961	AGRAS BOHDALOV, A.S.	CASHCOIN	3	306	21528	3,47	748	3,12	671	1419
10	CZ000402869953	ZS OSTRETIN A.S.	ALTASUPERSTAR	2	434	21333	3,40	725	3,24	691	1416
11	CZ000700516961	AGRAS BOHDALOV, A.S.	RUBICON	3	440	20220	3,64	737	3,34	675	1412
12	CZ000227259951	ZOD BRNISTE	ARBELL	4	400	21467	3,54	759	3,00	643	1402
13	CZ000252758962	BONAGRO, A.S.	A-A WIN 395	5	506	16100	5,51	887	3,17	510	1397
14	CZ000762759961	AGRAS BOHDALOV, A.S.	OBSERVER	2	411	19473	3,67	715	3,44	669	1384
15	CZ000485106921	AGRO JESENICE A.S.	ALTAEXACTER	3	324	20591	3,55	730	3,17	652	1382
16	CZ000292718962	ZD OLBRAMKOSTEL	AJAX	3	315	15532	5,62	873	3,26	507	1380
17	CZ000415262953	AGRODRUZST.SEBRANICE	ALTAANTRIM	3	410	17119	4,29	735	3,69	632	1367
18	CZ000415802953	AGRODRUZST.SEBRANICE	CARLO	2	415	18860	3,75	708	3,48	657	1365
19	CZ000467314921	VOD ZDISLAVICE	ALTAGREATEST	3	451	20521	3,41	700	3,23	663	1363
20	CZ000485392921	AGRO JESENICE A.S.	ABC	4	347	18336	4,00	734	3,42	627	1361
21	CZ000728517961	ZS VILEMOV, A.S.	ALTASKODA	2	345	19079	3,79	724	3,32	633	1357
22	CZ000376921952	ZD DOBRUSKA	MARDEN	3	342	18356	4,05	744	3,34	613	1357
23	CZ000762313961	AGRAS BOHDALOV, A.S.	BAYONET	2	415	19863	3,43	682	3,37	669	1351
24	CZ000467603921	VOD ZDISLAVICE	ALTAMETEOR	3	333	18071	4,18	756	3,29	595	1351
25	CZ000530839932	OSECKA ZOS, A.S.	SCOLARI	3	310	18317	3,88	710	3,47	636	1346
26	CZ000402681953	ZS OSTRETIN A.S.	MARBACH	2	499	21535	3,34	719	2,90	625	1344
27	CZ000758435961	AGROPODNIK KOSETICE	GENOM	3	493	16070	4,86	781	3,48	559	1340
28	CZ000407382921	ZEAS OSKORINEK, A.S.	ROBIN	6	323	20714	3,24	671	3,21	664	1335

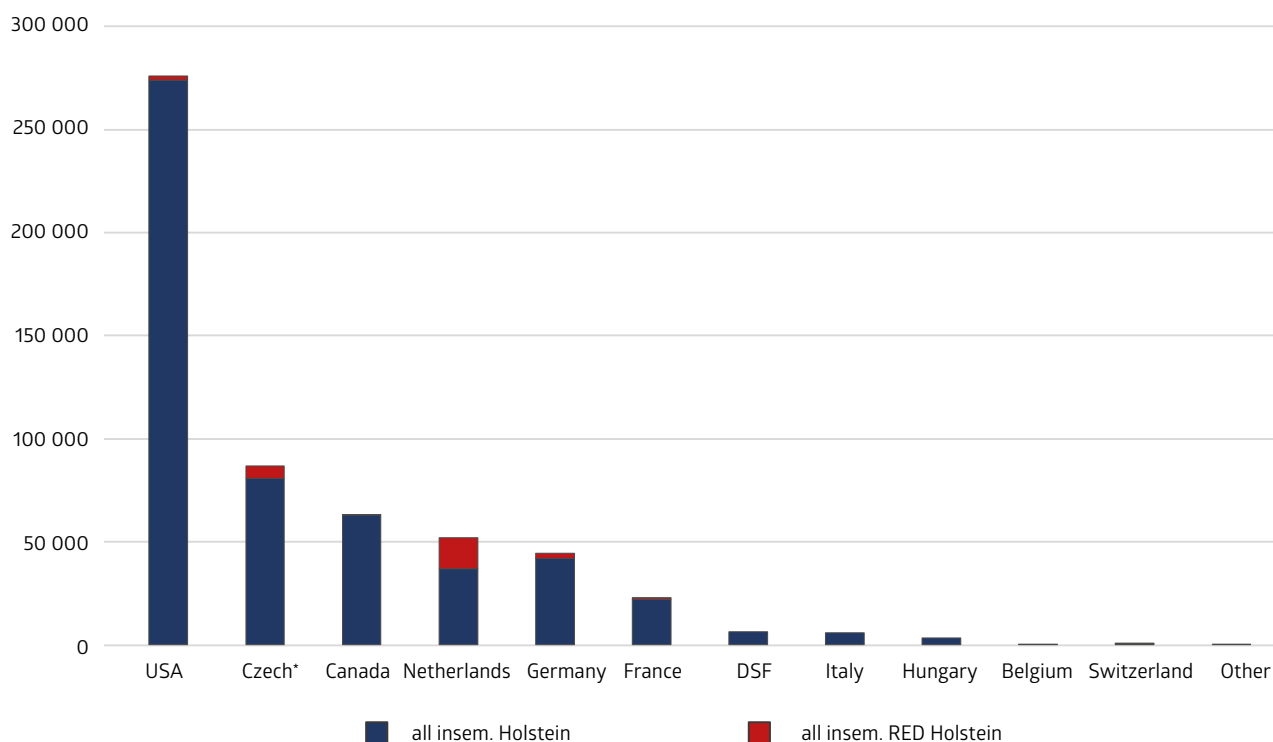
Rank	Cow	Breeder	Sire	Lac	LD	M kg	F %	F kg	P %	P kg	F+P kg
29	CZ000758593961	AGROPODNIK KOSETICE	SUREBOY	3	321	15442	4,88	753	3,77	582	1335
30	CZ000566269932	ZEAS PUCLICE A.S.	SOTO	3	330	18281	3,71	679	3,58	654	1333
31	CZ000485267921	AGRO JESENICE A.S.	ABC	3	458	18165	3,83	696	3,50	636	1332
32	CZ000762245961	AGRAS BOHDALOV, A.S.	MISSOURI	3	429	17448	4,22	737	3,41	595	1332
33	CZ000236455951	ZOD BRNISTE	ALBEN	3	385	20095	3,43	689	3,18	640	1329
34	CZ000700396961	AGRAS BOHDALOV, A.S.	ALTAIOTA	4	281	16895	4,29	725	3,58	604	1329
35	CZ000728111961	ZS VILEMOV, A.S.	SHAMROCK	2	453	18841	3,87	730	3,17	597	1327
36	CZ000392406952	ZD NECHANICE	ADMIRAL	3	334	19038	3,82	728	3,14	598	1326
37	CZ000631803932	ZEM.SPOL.KOMORNO A.S	CRABTREE	2	388	17905	3,78	676	3,62	648	1324
38	CZ000291283962	ZEM.DRUZSTVO PETRIN	STARLIGHT	2	505	15555	5,11	795	3,38	526	1321
39	CZ000631722932	ZEM.SPOL.KOMORNO A.S	KRUNCH	2	313	19508	3,48	678	3,29	642	1320
40	CZ000687282961	AGROPODNIK KOSETICE	PONDER	4	465	17264	4,44	766	3,20	553	1319
41	CZ000727373961	ZS VILEMOV, A.S.	ALTAVALON	4	299	18053	4,00	722	3,30	596	1318
42	CZ000792507961	LUKA, A.S.	OBSERVER	3	391	17928	3,75	672	3,60	645	1317
43	CZ000402443953	ZS OSTRETIN A.S.	MILANO	3	314	16386	4,26	698	3,76	616	1314
44	CZ000467220921	VOD ZDISLAVICE	GUARINI	3	372	17908	3,90	698	3,42	613	1311
45	CZ000524974932	OD SOBESICE	ALTAGRATIS	3	300	16916	4,41	746	3,34	565	1311
46	CZ000373806953	ZS OSTRETIN A.S.	CHOICE	5	342	20899	3,19	667	3,07	641	1308
47	CZ000553003921	ZD CECHTICE	DUKE	2	332	17765	3,80	675	3,56	633	1308
48	CZ000402746953	ZS OSTRETIN A.S.	ALTAIOTA	3	327	17146	4,08	699	3,55	609	1308
49	CZ000728363961	ZS VILEMOV, A.S.	CRITIC-P	2	307	15785	4,47	706	3,81	601	1307
50	CZ000619336961	AGRAS BOHDALOV, A.S.	ALTAOAK	4	404	20488	3,46	708	2,92	599	1307
51	CZ000727616961	ZS VILEMOV, A.S.	MAN O MAN2	3	340	17522	4,07	713	3,38	593	1306
52	CZ000236445951	ZOD BRNISTE	NOTES	3	370	18752	3,70	694	3,26	611	1305
53	CZ000467807921	VOD ZDISLAVICE	RYTMUS	2	427	17936	4,05	727	3,22	577	1304
54	CZ000425061953	AG SKORENICE A.S.	MODESTO	3	298	16940	4,19	710	3,50	593	1303
55	CZ000468092921	VOD ZDISLAVICE	SILVERMAN	2	324	18882	3,70	699	3,19	603	1302
56	CZ000467511921	VOD ZDISLAVICE	DWAYNE	3	333	17967	3,92	704	3,33	598	1302
57	CZ000393878952	ZS KRATONOHY A.S.	ILEVAN	3	383	17072	4,27	729	3,35	572	1301
58	CZ000376955952	ZD DOBRUSKA	AL	3	312	17011	4,15	706	3,49	594	1300
59	CZ000402424953	ZS OSTRETIN A.S.	POLLEDSTAR	3	304	18779	3,49	655	3,43	644	1299
60	CZ000762975961	AGRAS BOHDALOV, A.S.	SALT	2	304	19202	3,57	686	3,19	613	1299
61	CZ000373813953	ZS OSTRETIN A.S.	POLLEDSTAR	4	437	16371	4,23	693	3,70	606	1299
62	CZ000724927961	AGROPODNIK KOSETICE	DISCOVER	3	352	15438	4,93	761	3,48	538	1299
63	CZ000414886952	ROLNICKA A.S.KRALIKY	ALTACORNELL	2	346	17692	3,99	706	3,35	592	1298
64	CZ000566198932	ZEAS PUCLICE A.S.	ICHANT	3	389	18272	3,73	682	3,36	614	1296
65	CZ000467196921	VOD ZDISLAVICE	GUARINI	3	575	17720	3,89	690	3,42	606	1296
66	CZ000415667953	AGRODRUZST.SEBRANICE	ALTARAZOR	3	420	16194	4,42	715	3,59	581	1296
67	CZ000423066953	ZD SLOUPNICE	DECEIVER	3	580	17826	3,89	694	3,37	601	1295
68	CZ000844818961	AGROPODNIK KOSETICE	PAISLEY	2	329	16399	4,29	704	3,60	591	1295
69	CZ000372271952	ZS KRATONOHY A.S.	GAG	3	480	16393	4,46	731	3,44	564	1295
70	CZ000415488953	AGRODRUZST.SEBRANICE	BEAGLE	3	503	18198	3,82	695	3,29	598	1293
71	CZ000250922951	ZOD BRNISTE	NOBILE	2	310	18802	3,80	714	3,08	579	1293
72	CZ000727785961	ZS VILEMOV, A.S.	SHAMROCK	3	344	17445	3,94	687	3,47	605	1292
73	CZ000236384951	ZOD BRNISTE	PUZZLE	3	541	18628	3,70	690	3,23	602	1292
74	CZ000243740951	ZOD BRNISTE	ALTIVO	3	349	18962	3,63	688	3,18	603	1291
75	CZ000227311951	ZOD BRNISTE	SAJAC	4	399	18594	3,95	734	3,00	557	1291
76	CZ000236481951	ZOD BRNISTE	SHEEN	3	352	18881	3,94	744	2,90	547	1291
77	CZ000455769921	AGRO JESENICE A.S.	TABOR	4	435	18007	3,78	681	3,37	607	1288
78	CZ000391929952	ZEPO BELOHRAD A.S.	REMINDER	3	434	18057	3,72	672	3,40	614	1286
79	CZ000402657953	ZS OSTRETIN A.S.	TANGO	3	345	15964	4,43	707	3,63	579	1286
80	CZ000749201961	LUKA, A.S.	KEYBOARD	4	355	18799	3,28	617	3,55	667	1284
81	CZ000402343953	ZS OSTRETIN A.S.	SUPERSHOT	4	297	15029	4,82	725	3,72	559	1284
82	CZ000794450961	AGROPODNIK KOSETICE	YANK	3	358	14355	5,13	737	3,81	547	1284
83	CZ000402341953	ZS OSTRETIN A.S.	SUPERSHOT	4	411	20469	3,14	643	3,13	640	1283
84	CZ000824840961	AGROPODNIK KOSETICE	DORCY	2	299	15110	4,65	702	3,85	581	1283
85	CZ000445003921	VOD ZDISLAVICE	ALOISO	4	452	17804	3,72	663	3,48	619	1282
86	CZ000687285961	AGROPODNIK KOSETICE	MANGO	3	472	16251	4,26	692	3,63	590	1282
87	CZ000292457962	ZD JIRICE U MIROSLA.	VITESSE	2	361	15193	4,73	719	3,69	561	1280
88	CZ000481133953	ZS OSTRETIN A.S.	ALTAIOTA	2	338	19460	3,29	641	3,28	638	1279
89	CZ000402675953	ZS OSTRETIN A.S.	IMPRESS	3	328	19015	3,52	669	3,21	610	1279
90	CZ000369455981	MORAVAN, A.S.	MAGIER	2	331	16 442	4,11	675	3,67	604	1279

5. Artificial insemination in 2023

5.1 Numbers and proportion of the first and total inseminations in different breeds



5.2 Numbers and proportion of inseminations by semen of bulls proven in different countries (imports) 2023



* Bulls at Czech AI stations
DSF - Denmark, Sweden and Finland

5.3 Numbers and proportion of the first and total inseminations in different categories

Category	Bulls	1st ins.	% 1st ins.	All ins.	% All ins.	all/1st %
a) B&W	842	269 768	95,2	548 076	95,2	2,03
Young bulls	445	163 779	60,7	333 582	60,9	2,04
at CZ AI stations	94	34 232		78 768		
Proven bulls	397	105 989	39,3	214 494	39,1	2,02
at CZ AI stations	74	9 103		23 258		
b) R&W	123	13 667	4,8	27 924	4,8	2,04
Young bulls	74	11 181	81,8	22 256	79,7	1,99
at CZ AI stations	16	2 135		4 761		
Proven bulls	49	2 486	18,2	5 668	20,3	2,28
at CZ AI stations	6	716		1 643		
Total B&W + R&W	965	283 435	100,0	576 000	100,0	2,03
Young bulls	519	174 960	61,7	355 838	61,8	2,03
at CZ AI stations	110	36 367		83 529		
Proven bulls	446	108 475	38,3	220 162	38,2	2,03
at CZ AI stations	81	9 614		24 901		

5.4 Breeding bulls with the highest number of 1st insemination

Name	1 st ins.	All ins.	Status	Total index (SIH)	Sire	Grand Sire
GARIDO	8 033	16 890	PROVEN	143,3	Gymnast	Penley
TIMBERLAKE	6 381	12 580	PROVEN	131,3	Imax	Supershot
HALFTIME	5 565	10 574	GENOM	126,1	Gamechanger	Achiever
COLLECTOR	5 523	10 911	GENOM	129,8	Altaplanko	Frazzled
GODDARD	5 022	9 673	PROVEN	130,0	Blowtorch	Delta
TAHITI	3 544	6 372	PROVEN	124,5	Frazzled	Delta
ESCAPADE	2 850	5 601	GENOM	115,4	Acura	Samaritan
FOXCATCHER	2 752	5 510	PROVEN	127,5	Panther	Foxsong
ALTASLAVIA	2 644	5 662	GENOM	127,5	Altastealth	Altabundle
SARRASIN	2 643	4 978	GENOM	113,5	Platon	Nivernais
ALTASEVERUS	2 488	4 397	GENOM	136,8	Altaplanko	Crimson
VARSITY	2 326	4 468	GENOM	131,9	Heritage	Honda
DIABLO	2 255	4 544	GENOM	140,5	Rapid	Altaspring
ENGINEER	2 239	4 453	GENOM	130,7	Pursuit	Prophecy
MENTOR	2 235	4 656	PROVEN	116,4	Magnus	Supershot
ZICO	2 143	3 718	GENOM	131,6	Cut	Pursuit
ALTAZAREK	2 139	4 112	PROVEN	128,4	Altatopshot	Rubicon
PALOMINE	2 123	4 085	GENOM	134,6	Altahailed	Altabundle
CERT	2 064	4 366	GENOM	126,5	Twitch	Gatedancer
PLACID	2 034	3 720	GENOM	130,4	Garido	Liepin
QUALITY	1 917	3 367	GENOM	132,9	Einstein	Ragen
ENTITY	1 913	3 640	PROVEN	125,8	Matters	Rubicon
BRUNO	1 912	3 766	PROVEN	141,1	Semino	Gatedancer
ALTAPLINKO	1 891	3 237	PROVEN	136,3	Marius	Altatopshot
NORTON	1 886	3 189	PROVEN	130,8	Wings	Nominee
FUGLEMAN	1 856	3 381	GENOM	134,9	Altazazzle	Positive
BILLY	1 855	3 370	PROVEN	134,2	Achiever	Rubicon
LIBERATE	1 790	4 056	GENOM	141,2	Gigantix	Rush Hour
HONEYCOMB	1 785	3 378	GENOM	120,7	Altazarek	Prophecy
RASTABALL	1 776	3 084	GENOM	121,4	Fastball	Alcove
BY-PASS	1 773	3 167	PROVEN	125,0	Charl	Jedi
CAELUM	1 727	4 009	PROVEN	132,9	Supershot	Mogul
CASHIN	1 720	3 007	PROVEN	126,5	Rubicon	Cashcoin
ALTADOBBO	1 636	2 605	GENOM	126,9	Fastball	Milktime
BIGSHOT	1 631	3 124	PROVEN	131,0	Renegade	Frazzled
ALCOVE	1 607	2 832	PROVEN	131,1	Duke	MVP
VENITO	1 550	3 113	PROVEN	115,2	Challenger	Jedi
SHARK	1 541	2 929	GENOM	129,7	Taos	Discjockey
DRONE PP RED	1 529	2 833	GENOM	130,3	Nectar	Esperanto
ZAFFIR	1 490	3 054	GENOM	133,1	Altazarek	Dynamo
OPTIMIZER	1 475	3 104	GENOM	136,8	Martin	Hotline
DELIKVENT	1 396	2 958	GENOM	132,7	Austad	Zekon

BULLS

At the first insemination

Young bulls **61,7 %**

Proven bulls **38,3 %**

At all inseminations:

Young bulls **61,8 %**

Proven bulls **38,2 %**



Name	1 st ins.	All ins.	Status	Total index (SIH)	Sire	Grand Sire
TENNESSEE	1394	2 574	GENOM	121,9	Heroic	Achiever
CESNA	1364	3 130	GENOM	133,8	Audi	Semino
KODIAK	1334	2 985	GENOM	127,9	Soundcloud	Windmill
CRIMSON	1328	2 637	PROVEN	132,1	Spectre	Rubicon
ELWOOD	1321	2 669	PROVEN	137,0	Matters	Platinum
HERITAGE	1319	1 799	PROVEN	122,1	Hughes	Everest
AXEL	1318	2 533	PROVEN	144,7	Gymnast	Yoder
LANGLEY	1300	2 648	PROVEN	128,6	Hotline	Delta
ALTALASSITER	1254	2 531	GENOM	117,9	Altashamrock	Fastball
RHUMRAISIN	1221	2 632	GENOM	127,5	Oheme	Mondeo
ESTED	1201	2 433	GENOM	134,8	Altahailed	Semino
TORNADO	1197	2 711	GENOM	128,3	Skywalker	Esperanto
GIOVANNI	1182	2 260	GENOM	134,6	Pursuit	Guarantee
PERPETUAL	1173	2 187	PROVEN	126,2	Lionel	Medley
MARTINI	1170	2 565	PROVEN	122,4	Milktime	Frazzled
ALTAALANZO	1167	2 048	GENOM	132,3	Altazazzle	Guinness
ALTAGAINES	1165	2 416	GENOM	128,4	Altazazzle	Positive
ALTAALL ACCESS	1147	2 320	GENOM	126,9	Altaplanko	Positive
LIONEL	1146	2 047	PROVEN	128,3	Frazzled	Montross
DUKO	1142	2 454	GENOM	132,9	Charl	Altatopshot
BALATON	1130	2 864	GENOM	141,3	Semino	Mardi Gras
MITCHELL	1129	2 039	PROVEN	128,1	Mitchell	Bombero
FREESTYLE	1090	2 271	GENOM	129,4	Gywer RDC	Born P RDC
UPSWING	1073	2 074	PROVEN	129,4	Pursuit	Duke
VERDICT	1071	1 839	GENOM	125,1	Highjump	Altahotjob
BRAVE	1052	1 918	PROVEN	120,2	Timberlake	Trajectory
GRIFF	1051	2 095	PROVEN	139,8	Silver	Supersire
BENNIE	1034	1 981	GENOM	135,9	Timberlake	Altarobson
ALTANAVIGATE	1025	2 683	PROVEN	116,3	Marius	Jedi
IMPERIAL	1014	2 093	PROVEN	135,0	Imax	Jedi
MERCUTIO	1003	1 929	PROVEN	133,0	Altahotrod	Gainsbarre
RANDALL	989	1 825	PROVEN	120,6	Loptimum	Número Uno
MINGUS	978	1 703	GENOM	135,4	Pursuit	Superhero
BARCLAY	950	1 700	PROVEN	134,3	Bubba	Rubicon
DUKE	947	1 777	PROVEN	130,2	Montross	Supersire
CHALLENGER	939	2 162	PROVEN	124,4	Superhero	Silver
ACHILL	930	3 229	PROVEN	117,0	Chillax	Delta
WHEELHOUSE	917	1 856	PROVEN	124,2	Pursuit	Duke
NADRAC	915	1 926	PROVEN	119,2	Kerrigan	Supershot
PORTER	908	1 748	PROVEN	118,2	Lionel	Delta
PILATES	883	1 378	PROVEN	127,2	Jetset	Danno
BLACKFOOT	874	2 101	GENOM	140,9	Semino	Gatedancer
PARKER	865	1 542	GENOM	127,3	Parfect	Brass
ROWDY	854	1 679	PROVEN	122,6	Josuper	Mogul
LUGNUT	845	1 750	GENOM	134,8	Alcove	Eugenio
MAGNUM	845	1 542	GENOM	123,3	Alphabet	Jared
SABER	843	2 112	PROVEN	115,3	Helix	Damaris
RORY	843	1 477	PROVEN	131,5	Gatedancer	Rubicon
CRYPTO	842	1 755	GENOM	124,0	Moon	Charl
ROVER PK	834	1 768	GENOM	127,2	Altazazzle	Positive
EVITE	833	1 557	GENOM	120,9	Pursuit	Maverick
ACHIEVER	829	1 605	PROVEN	120,1	Yoder	Altaembassy
TAOS	825	1 734	PROVEN	132,0	Renegade	Jedi
ALTAEXQUISITE	817	1 594	GENOM	141,3	Altazazzle	Pursuit
CASTOR	815	1 655	PROVEN	131,3	Barclay	Atlantic
KALEIDO P	804	1 478	GENOM	122,0	Hotspot P	Battlecry
DISKUS	802	1 689	GENOM	132,2	Gladius	Crimson
ALPHABET	800	1 563	PROVEN	116,7	Helix	Yoder
BONAPARTE	792	1 854	GENOM	144,1	Semino	Polledstar P
CHARMING	792	1 557	GENOM	128,8	Kenobi	Sound System
INTRICATE	787	1 753	PROVEN	121,8	Pursuit	Achiever
GLAMOUR	783	1 440	GENOM	129,6	Goliath	Spark Red
BORD RED P	781	1 492	GENOM	125,9	Solitary P	Pace Red
CATCHY	776	1 725	GENOM	122,6	Charl	Jedi
LOUIS P RED	768	1 513	GENOM	125,3	Gywer RDC	Handy P
FACTOTUM	768	1 502	GENOM	130,3	Altazazzle	Positive
BADR	756	1 673	PROVEN	126,5	Hotspot P	Missouri
DYK	755	1 560	GENOM	129,1	Eastwood	Dynamo
VICTORIO	740	1 729	PROVEN	129,9	Soprano	Rocketfire
TYROL	737	1 479	GENOM	135,3	Parfect	Eisaku
FERRY	733	1 459	GENOM	126,4	Merrimac	Frazzled
DEWEY	719	1 268	PROVEN	116,2	Burley	Delta
PERRY PK	715	1 222	GENOM	116,7	Discjockey	Hotline
CECIL	713	1 771	GENOM	125,7	Marius	Rockstar

Name	1 st ins.	All ins.	Status	Total index (SIH)	Sire	Grand Sire
MASTROLILI	712	1 420	PROVEN	138,2	Kerrigan	Balisto
FRAZZLED	712	1 371	PROVEN	112,0	Josuper	Shotglass
ALMAMATER	708	1 191	PROVEN	117,5	Alcove	Montana
GIBSON	699	1 378	GENOM	134,5	Moonshiner	Renegade
ONEIDA	699	1 289	PROVEN	130,7	Achiever	Solaris
LUKAKU	698	1 873	PROVEN	113,5	Eldorado	Rubicon
DESERT	697	1 686	GENOM	135,5	Geyser P	Semino
MILLINGTON	694	1 249	PROVEN	127,1	Miles	Shamrock
ZURI	689	1 378	GENOM	135,3	Altazazzle	Tahiti
JERICK	687	865	GENOM	126,9	Captain	Nightcap
ENDURANCE	680	1 527	PROVEN	127,3	Bravo	G-Force
DYNAMO	672	1 409	GENOM	127,6	Torro	Pretender
GEORGIO PP	663	1 275	GENOM	131,8	Simon P	Mission
SPIDER	662	1 289	GENOM	119,3	Midas	Altadateline
MASHAK	653	1 400	GENOM	129,4	Maximus	Tahiti
BON JOVI	651	2 236	PROVEN	138,8	Semino	Gatedancer
EPPY	649	1 254	GENOM	134,5	Tampa	Achiever
CELIX	645	1 735	GENOM	134,7	Helix	Mardi Gras
RODEO	643	1 001	PROVEN	118,5	Harmony	Kingboy
BOOKMAKER P-RED	642	1 211	GENOM	130,2	Match	Booking Red
JELMER	600	1 311	GENOM	133,4	Moon	Skywalker
RENEGADE	597	1 179	PROVEN	135,5	Jaltaoak	Millington
DELON	581	1 461	GENOM	135,8	Eastwood	Dynamo
MADAGASCAR	581	1 290	PROVEN	115,5	Charley	Mardi Gras
PAYPAL	569	1 074	GENOM	126,8	Challenger	Granite
MAHOMES	558	1 199	GENOM	122,6	Eldorado	Milktime
ROCKFORD	547	1 286	PROVEN	124,3	Charley	Yoder
DEYSER P	546	1 029	GENOM	126,6	Geyser P	Mardi Gras
GYMNAST	543	1 155	PROVEN	136,7	Doorsopen	Jabir
RICOCHE	541	1 107	GENOM	131,2	Renegade	Resolve
AMPLUS	540	1 177	PROVEN	119,8	Lylas	Monterey
CAPTAIN	539	757	PROVEN	136,0	Charl	Sabre
LAUNCH PP	533	1 072	GENOM	120,1	Jopper	Handy P
DAGWOOD	533	967	GENOM	128,9	Morant	Renegade
GINGER	528	922	GENOM	134,3	Gywer	Salvatore RC
TAMPA	528	766	PROVEN	131,8	High Noon	Jedi
TORTUGA	525	1 036	PROVEN	130,4	Burley	Yoder
CONDOR	522	1 329	GENOM	126,3	Austad	Doc
UGANDA	521	895	PROVEN	126,0	Supershot	Supersire
CASH	520	1 024	GENOM	124,1	Charl	Jedi
IVON EBA	515	1 626	PROVEN	118,2	Meridian	Beacon
HAWAI	513	1 063	PROVEN	131,1	Apprentice	Silver
ADVANCE	513	1 020	PROVEN	120,4	Achiever	Profit
DEMOON	509	1 254	GENOM	135,3	Moon	Zekon
DELAWARE	505	1 119	GENOM	137,5	Moline	Semino
ELIXIR	502	1 274	GENOM	132,7	Altaalanzo	Twitch
BANNER	501	999	PROVEN	130,0	Crimson	Blowtorch
MAURICE	500	942	PROVEN	114,0	Eugenio	Profit
OXTERRIL	499	846	PROVEN	119,7	Surgeon	Hefalo Isy
ZENYATTA	494	889	GENOM	138,0	Altazazzle	Rolan
FELLANI	485	1 159	GENOM	138,0	Freemax	Yoyo
ODANA	480	719	GENOM	123,1	Galileo	Sanjay
TIGERMAN	470	888	GENOM	138,1	Taos	Rome
CARPER	467	1 045	GENOM	128,2	Harper	Semino
PORSCH	462	856	GENOM	121,5	Dante	Granite
EDA	456	1 087	GENOM	138,5	Bruno	Gymnast
CORLEON	449	1 143	GENOM	134,1	Altazarek	Rio
NATAN	446	1 104	PROVEN	131,8	Adagio P	Doorsopen
PETTYFER	446	789	GENOM	127,3	Altaplinko	Tahiti
MONTEVERDI	443	805	GENOM	131,6	Altazazzle	Positive
DELIX	440	1 018	GENOM	133,9	Helix	Rubicon
GOKU	430	897	GENOM	134,3	Maestro	Marius
ZUMA	421	1 024	PROVEN	117,3	Salvatore RC	Supershot
RETROLOOK	419	689	GENOM	123,0	Maestro	Alcove
DEDICATE	419	668	PROVEN	121,1	Superhero	Robust
LOVOO	418	696	GENOM	135,6	Renegade	Fabulous
JARHEAD	418	466	GENOM	136,2	Heir	Charl
MAYFLOWER	417	731	PROVEN	119,6	Snowman	Socrates
CRISIS	411	1 365	PROVEN	128,8	Sound System	Josuper
FASTLANE	411	619	GENOM	127,6	Fastball	Skywalker
SPECTRE	409	925	PROVEN	123,3	Yoder	Supersire
ZACK	408	935	PROVEN	128,2	Kerrigan	Bookem
ALTAINTEREST	408	835	GENOM	137,1	Altaplinko	Positive





REPRODUCTION 2023

392
intercalving interval

23/27
age of first calving

PREGNANCY
The first insemination

Total

39,2 % cows

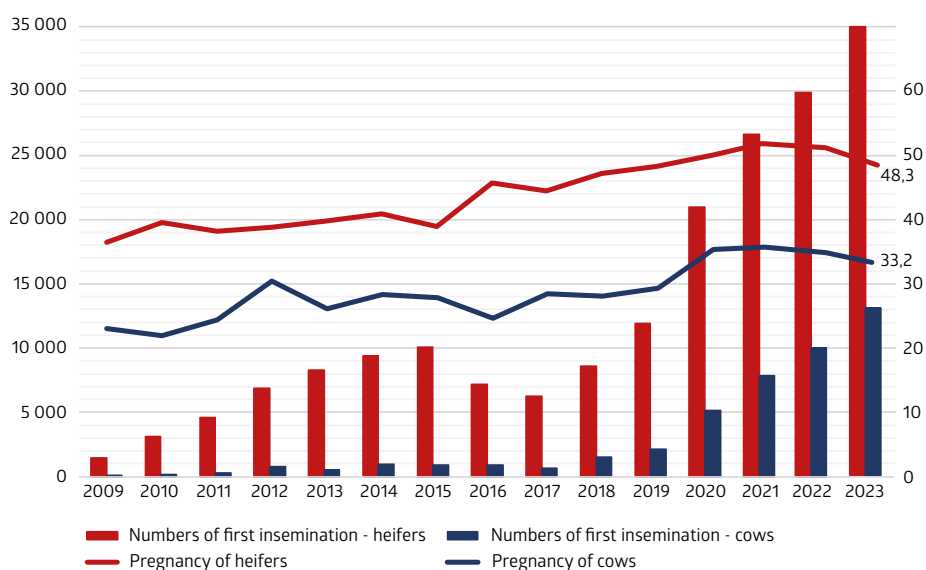
57,9 % heifers

Sexed semen

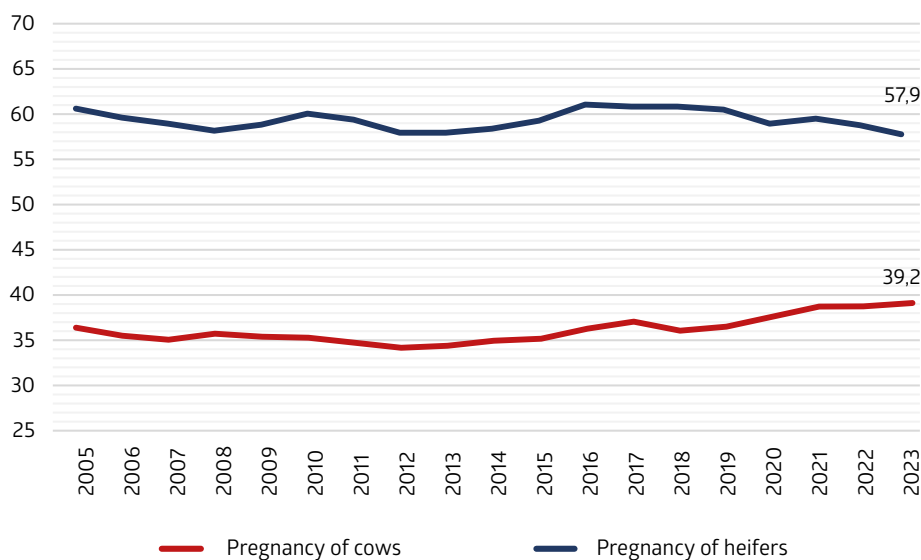
33,2 % cows

47,2 % heifers

5.5. Numbers of the first insemination and conception after sexed semen

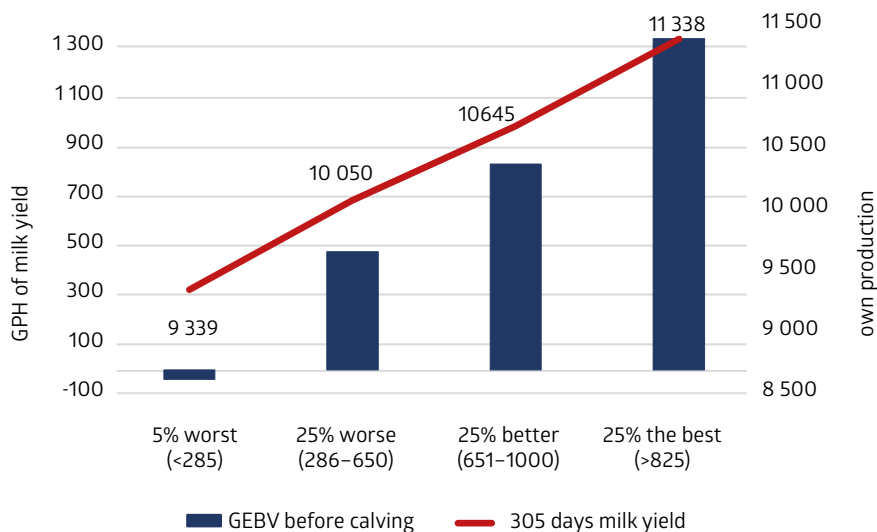


5.6 Conception of the first insemination



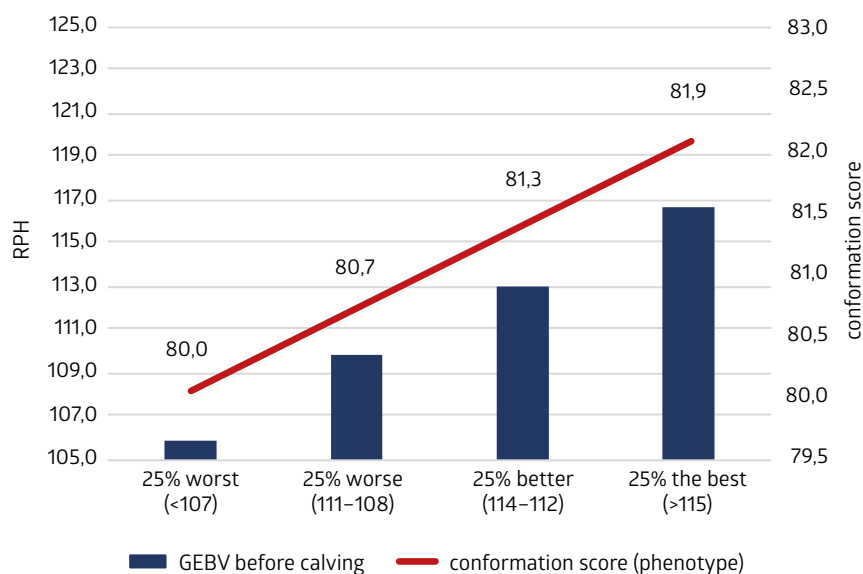
6. Comparison of genomic Breeding Values and phenotype

6.1 Comparison of GEBV and milk production (305 days)



n = 19284
Calculation of GPH in 12/2023

6.2 Comparison of GEBV and conformation



n = 23474
Calculation of GEBV in 12/2023

12/2023

74 000
genotyped heifers

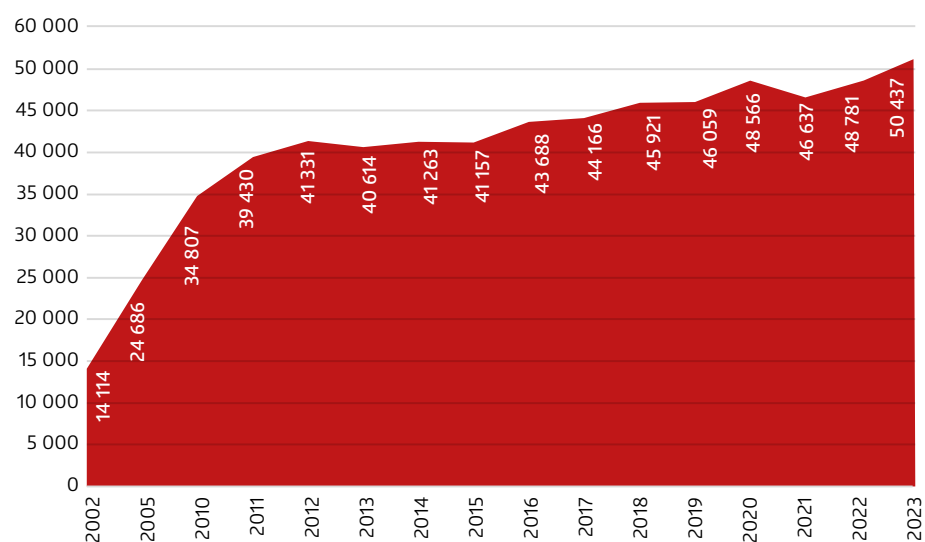
72 000
calculation of GEBV

19 000
milk 1st lactation
(phenotype)



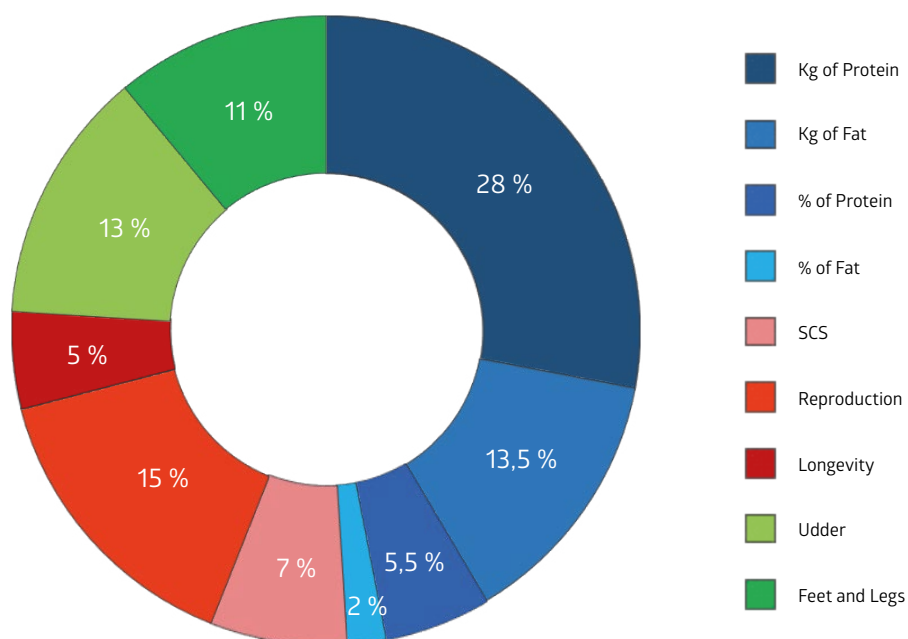
7. Type evaluation

7.1 Numbers of type scored first calvers



8. Selection index for Holstein cattle

Production 49 %, Conformation 24 %, Functional 27 %



9. Cows with the highest lifetime yield

Rank	Cow	Name	Sire	Breeder	Lac.	Milk Kg	F %	F Kg	P %	P Kg
1	404633-961	N-V BARBORA II	ALTON	ZDV NOVOVESELSKO	11	165 129	3,25	4619	2,87	4081
2	3562-953	OSEVA ESTER	EROTIC	OSEVA A.S. CHRUDIM	12	158 942	3,41	4987	3,25	4760
3	56354-246	MASA	BELLWOOD	JINDROVA ZEMED.FARMA	13	157 989	4,26	5947	3,09	4302
4	101648-205	ZAHORI MARUSKA	SID	AGRODRUZSTVO ZAHORI	11	156 587	3,44	4575	2,90	3857
5	339905-931	ZAHORI GABINKA	O MAN	AGRODRUZSTVO ZAHORI	10	151 925	3,10	4331	3,30	4611
6	44130-265	ZAHORI HELENKA	LANGS	AGRODRUZSTVO ZAHORI	12	151 835	3,58	4769	3,02	4025
7	296316-961	ZERAS MAMBA ET	MASCOL	ZERAS A.S.	11	150 122	3,33	4668	3,20	4487
8	44207-328	PRINCEZNA	MASTER	CZF MILLER	8	149 335	3,34	4040	3,11	3754
9	137153-921	IRMA	GORBY	KOPECKY PAVEL	8	148 427	3,13	3748	3,08	3685
10	187257-961	AGRAS ADELKA	CONKER	AGRAS BOHDALOV, A.S.	9	148 170	3,50	4404	3,04	3815
11	236581-971	ADELA	T PETER P	VYJIDACEK RADOMIR	9	145 908	3,87	5207	3,20	4307
12	161329-981	HALINA	ECONOM	DRUZSTVO ZAGRA	11	144 596	2,94	4061	2,82	3894
13	222923-953	OSEVA ARANCA 2	STAME	OSEVA A.S. CHRUDIM	10	143 751	3,71	5066	3,15	4303
14	191151-932	ELIZABETH	A-A WIN 395	OD SOBESICE	9	143 631	3,67	3998	3,18	3460
15	63536-614	ZERAS CESNA	CALVIN	ZERAS A.S.	10	143 455	3,42	4510	3,00	3958
16	146716-952	KRALIKY MARCELA	ISIDORUS	ROLNICKA A.S.KRALIKY	11	143 452	3,56	4720	2,91	3854
17	260274-961	BARA	O MAN	ZP OSTROV, A.S.	11	142 892	3,48	4881	3,35	4698
18	269106-932	AMALKA	EVERETT	KLADRUBSKA A.S.	10	142 816	3,62	4572	3,13	3946
19	301734-932	DOROTA	JAMMER	JILEK JAN ING.	10	142 621	3,59	4174	3,08	3579
20	63505-614	ZERAS CARMEN	CALVIN	ZERAS A.S.	9	142 576	3,42	4473	3,19	4176
21	136637-614	N-V BARBORA	GARRETT	ZDV NOVOVESELSKO	11	142 560	3,27	4108	2,96	3727
22	256200-921	KRA-HO JESSI 1	ASHLAR	ZD KRASNA HORA A.S.	11	139 758	3,69	4826	3,22	4214
23	446392-961	IVETA	INLEE	AGRO POSAZAVI, A.S.	7	139 437	3,37	3359	3,06	3054
24	141678-962	SOJKA	RAFAEL	DRAPAL STANISLAV ING	10	139 099	3,56	3920	3,18	3504
25	1503450-799	GERTRUDA	TRUMAN	MORAVAN, A.S.	10	139 098	3,72	4363	3,29	3861
26	308842-932	BOZENA	GARTON	KOPACKA FERDINAND	8	138 933	3,45	3684	3,08	3291
27	134947-204	BRONA	ENEM	AGROPODNIK KOSETICE	14	138 707	4,59	5772	3,32	4171
28	124585-952	KRALIKY NIKOLA	MALWOOD	ROLNICKA A.S.KRALIKY	10	138 598	3,72	4404	3,17	3750
29	18348-203	CRF LIDA	CUBBY	CRF, SPOL.S R.O.	10	138 578	3,32	3730	3,14	3529
30	117324-204	HOREPNIK BIANKA	BURMEISTER	AGRODAM HOREPNIK SRO	12	138 558	3,32	3926	3,00	3551
31	76340-264	CILKA	MR MOON	AGROPODNIK KOSETICE	12	137 645	3,55	4361	3,03	3727
32	452810-961	AGRAS AGRIAS	KRAMER	AGRAS BOHDALOV, A.S.	7	137 441	3,31	3741	2,93	3310
33	45031-961	CERNOV LADY 2	BOMBAY	ROZVODI CERNOV S.R.O	9	137 226	3,36	4106	3,29	4017
34	111713-204	BETA	JALAPENO	AGROPODNIK KOSETICE	12	137 069	4,53	5305	3,29	3850
35	119864-505	BLANKA	MANAT	ZD DOLANY	10	136 984	3,44	4185	3,23	3933
36	248582-921	NACERADEC MARTINA	ASHLAR	AGRO DRUZSTVO NACERADEC	10	136 945	4,19	5100	3,49	4248
37	118846-501	VYSOKA MILKA	MASCOTTE	POLABI VYSOKA A.S.	12	136 760	4,04	4978	3,35	4129
38	163186-971	TARJA	KNOT	MESPOL MEDLOV, A.S.	9	136 741	3,15	3761	2,97	3544
39	100298-110	MANKA	CIPSEK	CZF MILLER	7	136 648	2,93	2946	2,88	2897
40	103540-505	KARLA	INDER	ZD DOLANY	12	136 476	3,47	4579	3,23	4260
41	308844-921	NACERADEC BLANKA	SILAS	AGRO DRUZSTVO NACERADEC	10	135 939	3,75	4279	3,06	3493
42	426781-961	N-V MARINA	JAMMER	ZDV NOVOVESELSKO	10	135 853	3,38	4312	3,02	3852
43	271848-932	BABINKA	TERRAY	ALIMEX NEZVESTICE AS	10	135 372	3,42	4248	3,02	3749
44	229613-932	MECLOV ESTER 23	AIRRAID	MECLOVSKA ZEMEDEL.AS	10	135 196	4,05	4767	3,24	3818
45	81707-621	LADA	NGA-070	VOS ZEMEDEL.CU, A.S.	11	135 045	3,29	4110	2,93	3658
46	378550-961	JARCA	JAKE	ZD DUSEJOV, DRUZSTVO	10	134 950	3,52	4316	3,00	3679
47	120880-505	MARTINA	MANAT	ZD DOLANY	11	134 740	3,65	4584	3,20	4028
48	37299-645	JULCA	JESTHER	SVIZELA JOSEF	13	134 303	3,65	4608	3,27	4128
49	399215-961	STELA	GUARDIAN	AGROPODNIK KOSETICE	9	134 069	3,53	4342	2,87	3523

Rank	Cow	Name	Sire	Breeder	Lac.	Milk Kg	F %	F Kg	P %	P Kg
50	217275-953	BABCA	TERRAY	HANACKA ZS JEVICKO	10	133 950	3,19	4059	3,03	3857
51	101482-105	JEDNICKA	K-MAN	PIAS SUCHDOL, A.S.	11	133 889	3,33	3878	3,01	3504
52	370043-961	N-V MARKETA	DIE-HARD	ZDV NOVOVESELSKO	12	133 887	3,77	4963	3,27	4300
53	163129-981	FARM-VA ASTREA A11	FLIP	ZD RUZOVY PALOUCZEK	10	133 497	3,48	4211	3,07	3717
54	243265-953	OSEVA KIANKA 355	KIAN	OSEVA A.S. CHRUDIM	11	133 395	3,16	4011	3,26	4134
55	267499-961	MARIANA	LYNCH	AGRA BRTNICE, A.S.	9	133 134	3,53	4040	3,06	3503
56	148360-972	ZASNI KARLICKA	TOYSTORY	ZEM.AKC.SPOL.NIVNICE	10	133 102	3,11	3674	3,06	3618
57	331631-932	BERTA	DIE-HARD	ALIMEX NEZVESTICE AS	10	133 018	3,76	4167	3,38	3750
58	452859-961	AGRAS MIA	SUPER	AGRAS BOHDALOV, A.S.	8	132 983	3,20	3814	3,13	3739
59	183825-962	EVELINA	BARCLAY	ZD JIRICE U MIROSLA.	10	132 344	4,16	4446	3,29	3516
60	8396-961	AGRAS BOZENKA	DANE	AGRAS BOHDALOV, A.S.	9	132 158	4,09	4730	3,15	3645
61	260394-961	SELEKTA STRAKA	POTTER	SELEKTA PACOV, A.S.	10	131 906	3,19	3741	3,12	3665
62	129810-972	ZASNI JANICKA	POTTER	ZEM.AKC.SPOL.NIVNICE	10	131 587	3,62	4303	2,90	3454
63	185970-981	BETKA	FLIP	DRUZSTVO ZAGRA	9	131 577	3,52	4021	3,13	3573
64	453024-961	AGRAS ARTEMIS	ARDEN	AGRAS BOHDALOV, A.S.	9	131 439	3,50	4157	3,13	3709
65	123128-972	JECMINEK MIRIAM	VIRGAS	AGROJECMINEK S.R.O.	10	131 336	3,62	4054	3,04	3409
66	139665-972	JECMINEK PAVLA	ECONOM	AGROJECMINEK S.R.O.	8	131 336	3,41	3901	3,02	3460
67	254092-953	BABA	MERIT	ZEVAS VRACLAV A.S.	10	131 223	3,50	4437	3,24	4113
68	169619-972	ZASNI EVICKA	FLORYN	ZEM.AKC.SPOL.NIVNICE	9	131 207	3,90	4494	3,27	3768
69	486560-961	AGRAS HILDA	HILL	AGRAS BOHDALOV, A.S.	9	131 082	3,76	4653	3,21	3968
70	153391-921	NACERADEC KATKA	CONCORD	AGRO DRUZSTVO NACERADEC	8	131 066	3,56	3654	3,15	3232
71	264951-953	SLAVKA	TORLAN	AGRODRUZSTVO KLAS	10	131 028	3,72	4574	3,25	4001
72	388739-961	SKARYD BELLA	BRAVEHEART	SKARYD JAN ING.	11	130 461	3,63	4299	3,34	3957
73	143503-614	N-V BLAZENA	ROSCOE	ZDV NOVOVESELSKO	10	130 260	3,04	3805	2,91	3645
74	173027-951	BR VG BARUNKA	JOINT	ZOD BRNISTE	8	129 884	4,07	4708	3,35	3867
75	304864-921	ZDENKA	KODAK	ZS SLOVEC A.S.	8	129 760	3,89	3647	3,35	3145
76	101857-971	MARTINA	CROCODILE	AGRAS ZELATOVICE A.S	9	129 619	3,70	3649	3,06	3024
77	142887-972	JANICKA	FAB	AGD MORKOVICE, DRUZS.	11	129 601	4,19	4902	3,59	4206
78	173-921	KRA-HO PETRA	JESTHER	ZD KRASNA HORA A.S.	10	129 471	3,59	4125	3,02	3475
79	118041-101	BETY	JESTHER	KOPECKY PAVEL	7	129 442	4,24	4651	3,32	3643
80	125433-205	ZAHORI IVANKA	BOND	AGRODRUZSTVO ZAHORI	8	129 287	3,51	3900	2,87	3186
81	308344-921	ZDISLAVICE MATYLDA	HILL	VOD ZDISLAVICE	7	128 987	3,47	3744	3,03	3271
82	219192-971	RENO CAMRDA	ILUSE	RENOFARMA TROUBKY	7	128 943	3,24	2868	2,97	2629
83	164260-951	BR VG JULINKA	LOGAN	ZOD BRNISTE	9	128 717	4,24	5101	3,31	3982
84	293152-932	JELINEK	SCOOPY-DUU	ALIMEX NEZVESTICE AS	9	128 692	3,53	4039	3,27	3739
85	486645-961	AGRAS STELLA	SUPER	AGRAS BOHDALOV, A.S.	9	128 597	3,57	3946	3,17	3506
86	156161-972	JECMINEK VIKTORIE	KONZUL	AGROJECMINEK S.R.O.	7	128 570	4,26	4260	3,18	3180
87	217186-932	MECLOV JESSIKA	JESTO	MECLOVSKA ZEMEDEL.AS	10	128 532	3,86	4322	3,05	3411
88	378233-961	ALBINA	BOYCOTT	AGRO POSAZAVI, A.S.	11	128 248	3,31	4109	3,10	3839
89	5944-610	BABINA	NGA-123	ZD SEMIKOVICE	14	128 234	4,55	5387	3,45	4089
90	524025-961	NELA	HILL	ZD RUZOVY PALOUCZEK	8	128 182	3,28	3907	3,08	3669
91	189907-972	ZASNI JISKRA	BEACON	ZEM.AKC.SPOL.NIVNICE	8	128 150	3,52	4169	3,02	3586
92	174252-921	CECHTICE SAVA	CHARGE	ZD CECHTICE	10	127 928	3,09	3859	3,04	3794
93	63884-614	ZERAS ELIS	EILAND	ZERAS A.S.	9	127 907	3,52	4273	3,16	3841
94	192324-921	JARKA	DARAMIS	ZS KOSOVA HORA A.S.	11	127 794	3,57	4136	3,29	3817
95	467123-961	ZERAS SENA	SUPER	ZERAS A.S.	7	127 711	3,29	3631	2,99	3294
96	254042-953	SEDLICKA HVEZDA	KIRKLAND	ZEVAS VRACLAV A.S.	9	127 671	3,25	3763	3,04	3523
97	426777-961	N-V MILADA	ALTON	ZDV NOVOVESELSKO	9	127 607	3,75	4282	3,28	3744
98	118605-972	BABUSA	PERICLES	ZD MIR RATIBOR	14	127 517	3,97	4974	3,54	4434
99	26480-952	VSESTARY REBEKA	MALWOOD	ZD VSESTARY	11	127 480	3,74	4182	3,30	3694
100	76759-264	CERNOV LADY	LATON	ROZVODI CERNOV S.R.O	10	127 235	3,78	4427	3,31	3869



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In the Report there are published results of milk recording, genetic evaluation and insemination in the Holstein population in the Czech Republic.

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