



Annual

HOLSTEIN CATTLE BREEDERS ASSOCIATION OF THE CZECH REPUBLIC

report 2024





CHORUSIC REDROCK LUCILLE 24 ET - National Champion



DV CILINA - Reserve Champion



VYSOKA DAISY - The best 1st lactation cow



CIHLAR BAROLO MIA - The Best heifer

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1. Introduction

Dear readers,

The 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 more than 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 ČMSCH, a.s. – Plemdat, Ltd. (www.plemdat.cz).

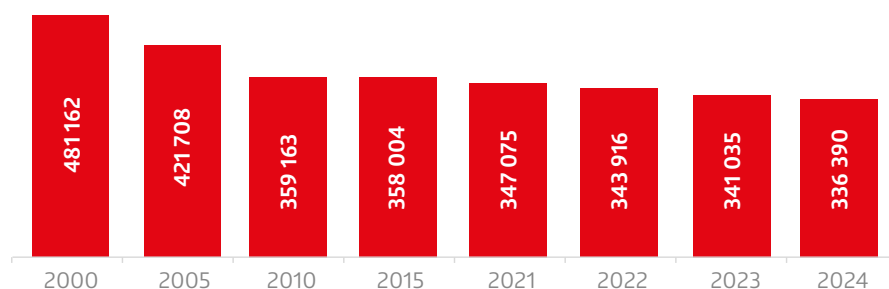
2. Development of the number of milk recorded cows and their breed structure

Year	Rec. cows	Index	
		to prev. year	to 2000
2000	481 162	95,9	
2005	421 708	98,9	87,6
2010	359 163	96,2	74,6
2015	358 004	100,3	74,4
2021	347 075	100,0	72,1
2022	343 916	99,1	71,5
2023	341 035	99,2	70,8
2024	336 390	98,6	69,9

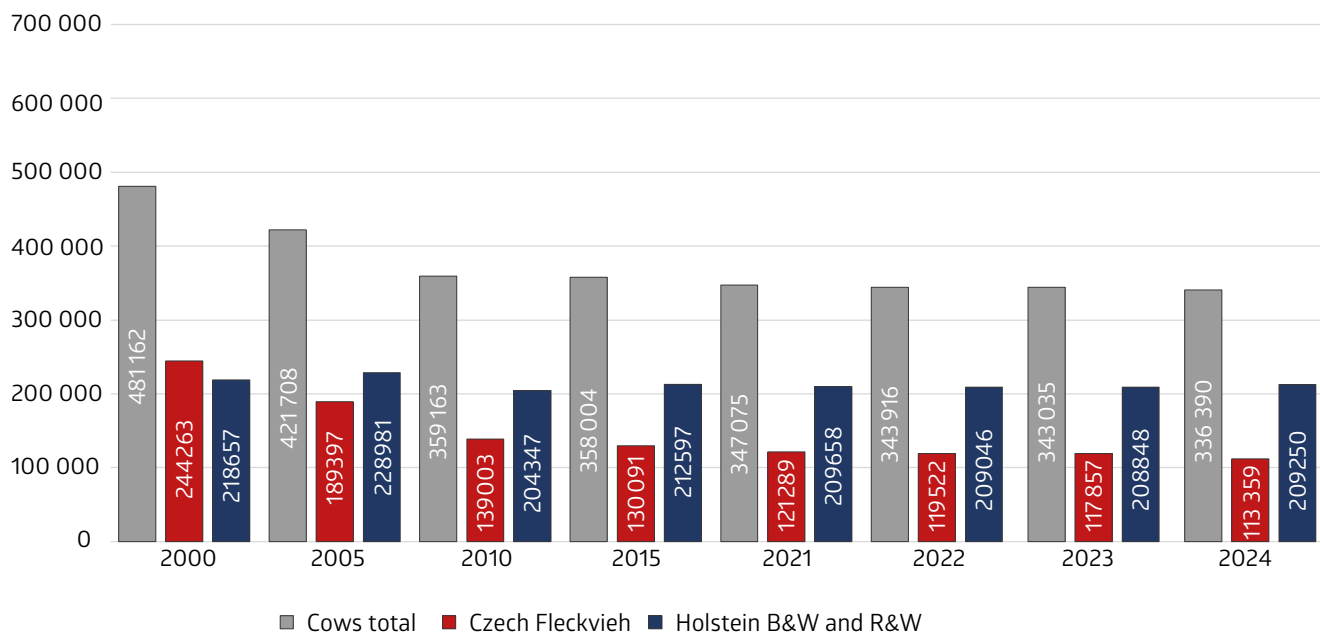
NUMBER OF MILK RECORDED COWS

62,2 % Holstein cows

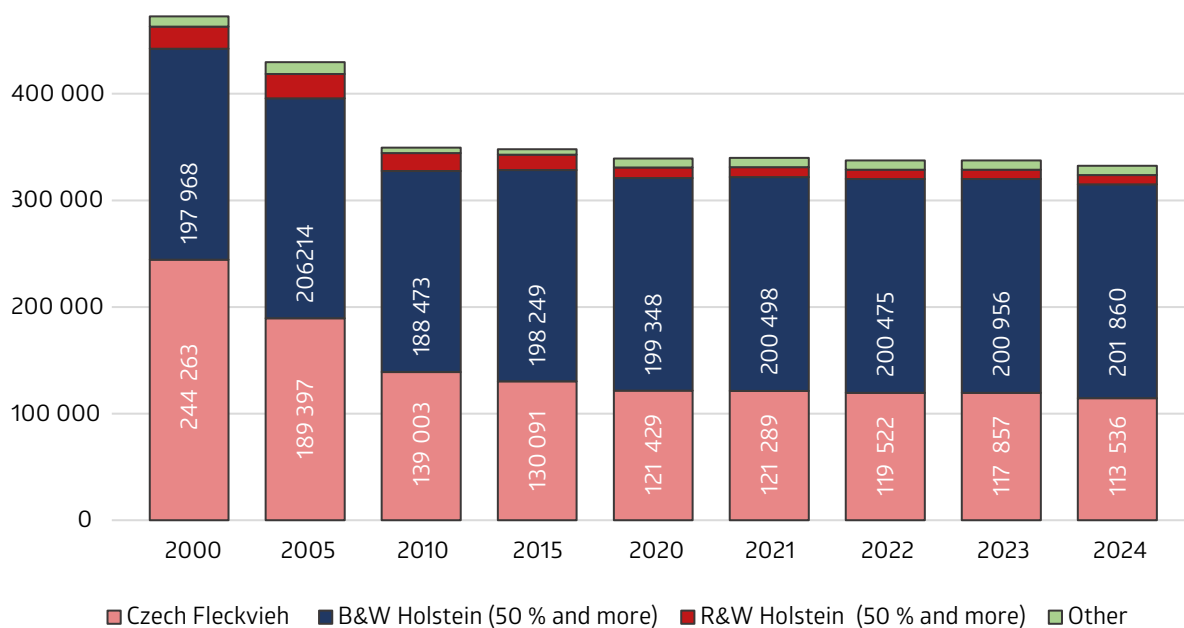
177 136 finished lactations of Holstein breed



2.1 Breed structure development in milk recorded cows since 2000



2.2 Breed structure development in milk recorded cows



MILK 2023/2024

11 135 kg average
milk production

3,81 % average milk fat

424 kg average fat
production

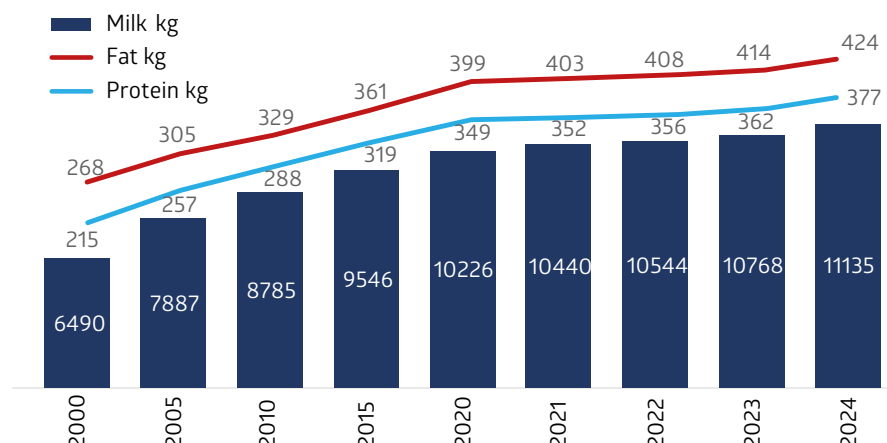
3,38 % average milk
protein

377 kg average protein
production

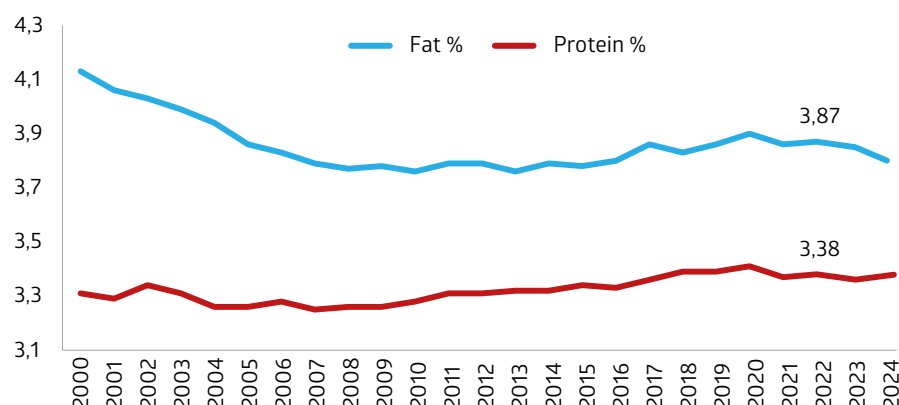
390 intercalving interval

32 394 kg average
lifetime milk yield

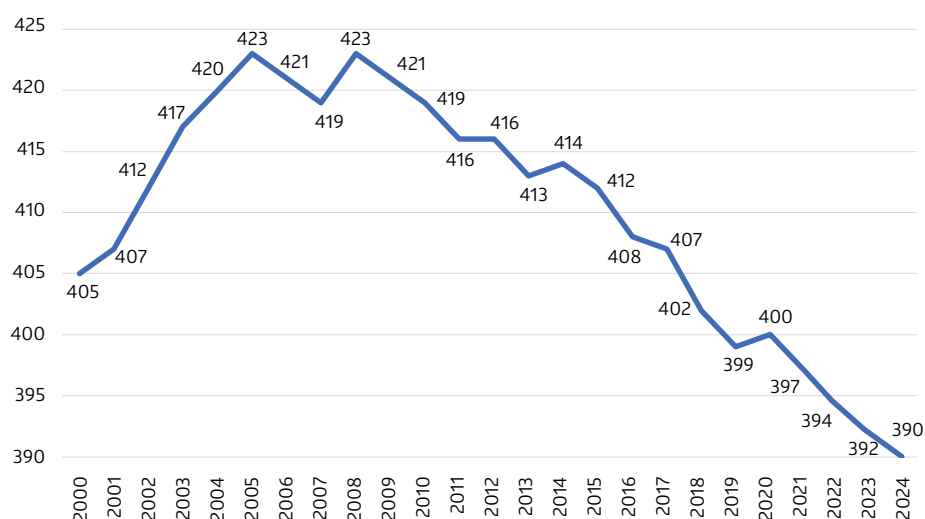
3. Production development of milk recorded Holstein cows in the year 2023/2024



3.1 Milk fat and protein content of milk recorded cows

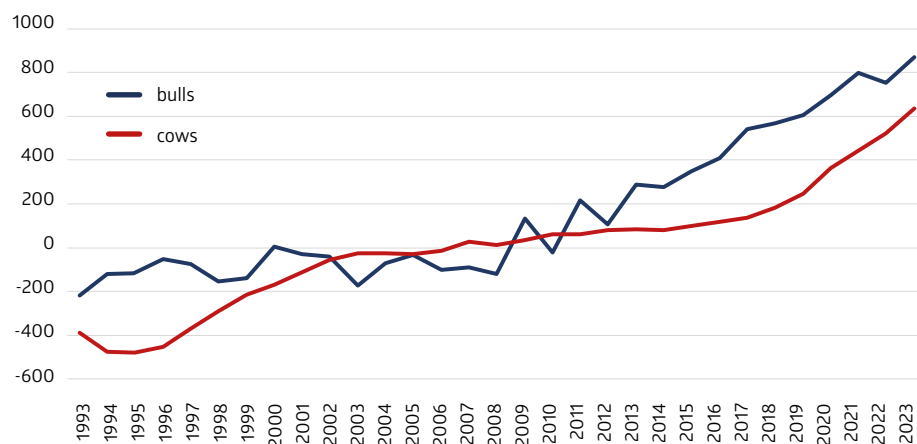


3.2 Intercalving interval of milk recorded Holstein cows

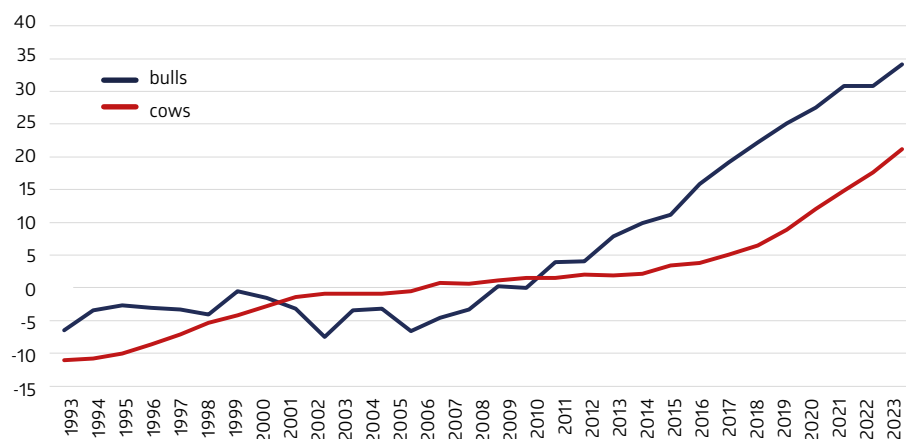


3.3 Means of Breeding Values of Holstein cows and bulls according to the year of birth

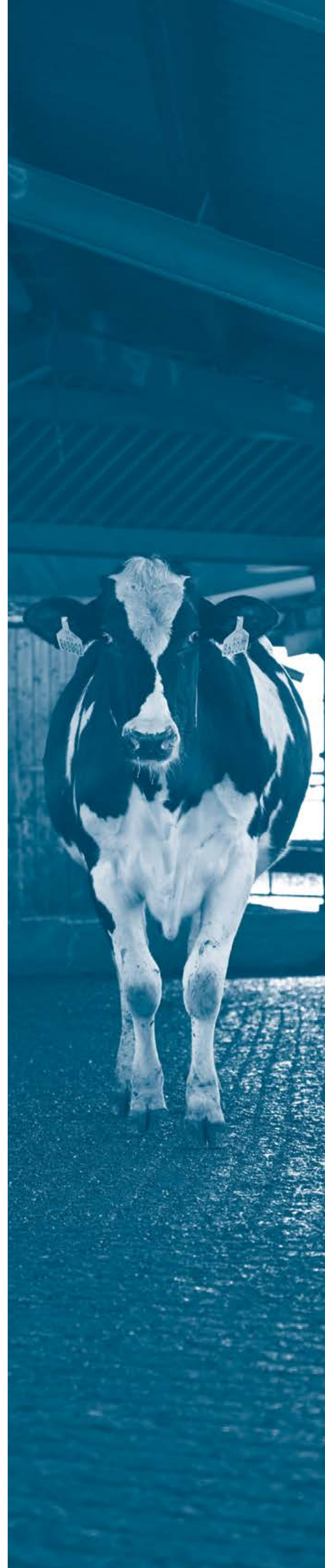
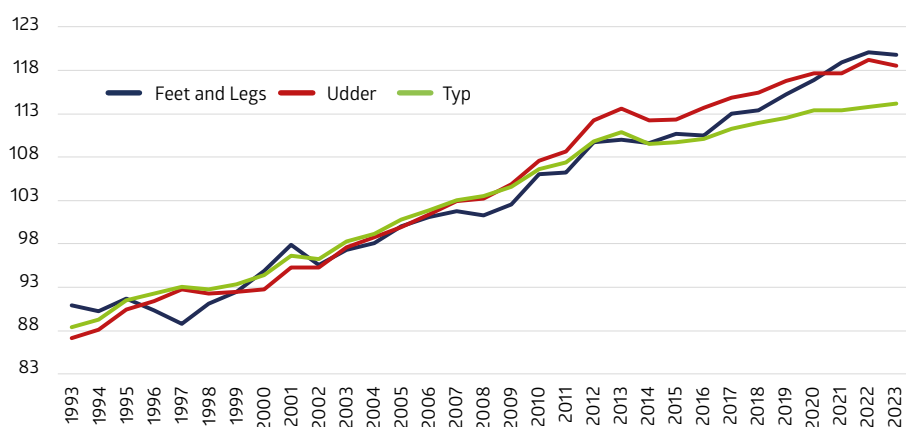
Means of Breeding Values (BV) of milk **kg M**



Means of Breeding Values (BV) of **kg Protein**



Conformation Breeding Values (BV)



4. Best herds and cows according to the fat and protein production per lactations completed in the test year 2023/2024

4.1 Best herds in milk production in the test year 2023/2024

Rank	Breeder	Farm	Records	M kg	F %	F kg	P %	P kg	F+P kg
1	AGRAS BOHDALOV, A.S.	BOHDALOV VKK	795	14486	3,70	537	3,25	470	1007
2	ZS OSTRETIN A.S.	OSTRETIN-NK	597	13986	3,74	523	3,40	476	999
3	LUKA, A.S.	VYS.STUDNICE VKK	738	13965	3,72	520	3,36	470	990
4	AG SKORENICE A.S.	UJEZD	471	12938	4,23	548	3,42	442	990
5	VYJIDACEK RADOMIR	VYSEHORKY 5	35	14366	3,61	519	3,20	459	978
6	ZD SLOUPNICE	RETOVA	296	13985	3,63	507	3,28	459	966
7	AGRO PODLESI, A.S.	CERVENE JANOVICE	622	13566	3,61	490	3,50	475	965
8	ZEAS PUCICE A.S.	BUKOVEC	870	13770	3,62	499	3,37	464	963
9	AGRODAM HOREPNIK SRO	HOREPNIK	401	13866	3,73	518	3,21	445	963
10	ZD DOBRUSKA	DOBRUSKA-MLEC.FARMA	449	13387	3,87	518	3,27	438	956
11	ROLNICKA A.S.KRALIKY	PETROVICE	648	13743	3,72	511	3,23	444	955
12	ZERAS A.S.	RADOSTIN	700	13524	3,69	499	3,36	455	954
13	MECLOVSKA ZEMEDELAS	VKK SRBY	585	13278	3,72	494	3,43	456	950
14	ZP KEBLOV, A.S.	MNICHovice	306	13429	3,64	489	3,42	459	948
15	VOD ZDISLAVICE	ZDISLAVICE H	334	13401	3,68	493	3,40	455	948
16	PODBLANICKO A.S.	VELIS VKK	464	13342	3,75	501	3,32	443	944
17	ZD SLOUPNICE	DOLNI SLOUPNICE MF	531	13637	3,66	499	3,26	444	943
18	RYCHOLKA S.R.O.	CHOUSTNIK.HRADISTE	521	12506	4,00	501	3,53	442	943
19	AGROPODNIK KOSETICE	CHYSNA II	382	12595	4,10	516	3,35	422	938
20	ROZVODI CERNOV S.R.O	CERNOV VKK	484	12956	3,80	492	3,42	443	935

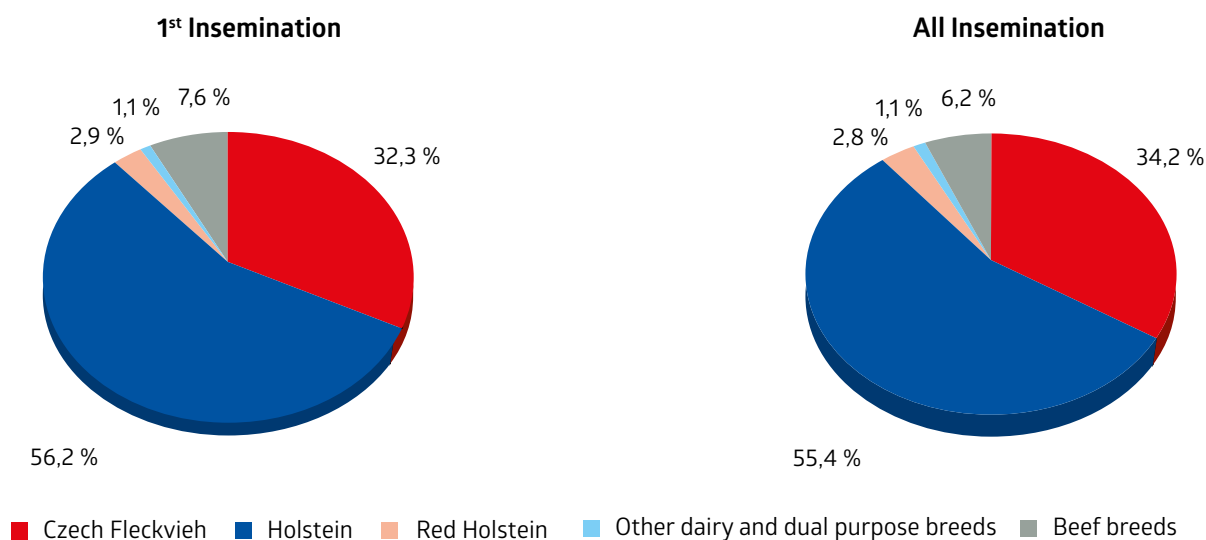
4.2 Breeding cows with the highest production per standardized lactation completed in the test year 2023/2024

Rank	Cow	Breeder	Sire	Lac	LD	M kg	F %	F kg	P %	P kg	F+P kg
1	CZ000301688962	ZD JIRICE U MIROSLA.	AUDIBLE	3	305	19008	4,50	855	3,69	702	1557
2	CZ000376896952	ZD DOBRUSKA	HOTLINE	4	305	22562	3,61	815	3,11	702	1517
3	CZ000468442921	VOD ZDISLAVICE	MASTROLILI	2	305	20069	3,81	765	3,65	733	1498
4	CZ000324931953	ZS OSTRETIN A.S.	MARDI GRAS	4	305	20215	3,99	806	3,42	691	1497
5	CZ000468215921	VOD ZDISLAVICE	AMADEUS	3	305	20350	3,82	778	3,48	709	1487
6	CZ000762245961	AGRAS BOHDALOV, A.S.	DENVER	4	305	19771	4,28	847	3,22	636	1483
7	CZ000725182961	AGROPODNIK KOSETICE	BROWNING	5	305	18069	4,68	845	3,51	635	1480
8	CZ000415808953	AGRODRUZST.SEBRANICE	NICKSON	3	305	20339	3,94	801	3,33	678	1479
9	CZ000227259951	ZOD BRNISTE	ALTIVO	5	305	23742	3,31	785	2,92	693	1478
10	CZ000467344921	VOD ZDISLAVICE	G-FORCE	4	305	19671	3,91	769	3,56	700	1469
11	CZ000831444961	ZD JIRICE U MIROSLA.	MALCOLM	3	305	18672	4,49	839	3,37	629	1468
12	CZ000762310961	AGRAS BOHDALOV, A.S.	RUBICON	3	305	20367	3,87	788	3,25	662	1450
13	CZ000402561953	ZS OSTRETIN A.S.	UMBERTO	4	305	20810	3,90	811	3,04	633	1444
14	CZ000468092921	VOD ZDISLAVICE	RELOADER	3	305	21315	3,61	769	3,16	674	1443
15	CZ000402198953	ZS OSTRETIN A.S.	JAX P RC	4	304	21030	3,67	771	3,18	669	1440
16	CZ000829247961	HOD DOLNI HERMANICE	UGANDA	3	305	21203	3,44	730	3,32	703	1433
17	CZ000805207961	AGRODAM HOREPNIK SRO	DUKE	4	305	18772	4,13	776	3,50	657	1433
18	CZ000373813953	ZS OSTRETIN A.S.	KASCOL	5	305	18256	4,34	792	3,50	639	1431
19	CZ000468319921	VOD ZDISLAVICE	SEMINO	2	305	19272	3,84	740	3,58	689	1429
20	CZ000405091952	ZD DOBRUSKA	LANGLEY	2	305	18864	4,06	766	3,50	661	1427
21	CZ000481432953	ZS OSTRETIN A.S.	AVAR	2	305	21687	3,43	743	3,11	675	1418
22	CZ000829268961	HOD DOLNI HERMANICE	UGANDA	3	305	19961	3,70	739	3,38	675	1414
23	CZ000468063921	VOD ZDISLAVICE	RELOADER	3	305	21088	3,42	722	3,27	690	1412
24	CZ000762475961	AGRAS BOHDALOV, A.S.	VANCOUVER	3	305	22417	3,17	710	3,10	696	1406
25	CZ000412892952	ZS KRATONOHY A.S.	UGANDA	3	305	19937	3,74	746	3,29	656	1402
26	CZ000468003921	VOD ZDISLAVICE	RELOADER	3	305	21674	3,12	676	3,33	722	1398
27	CZ000850871961	LUKA, A.S.	ALTABARK	3	305	19306	3,60	695	3,61	697	1392
28	CZ000474823921	ZS NALZOVICE A.S.	JOYSTAR	4	305	17473	4,60	804	3,37	588	1392

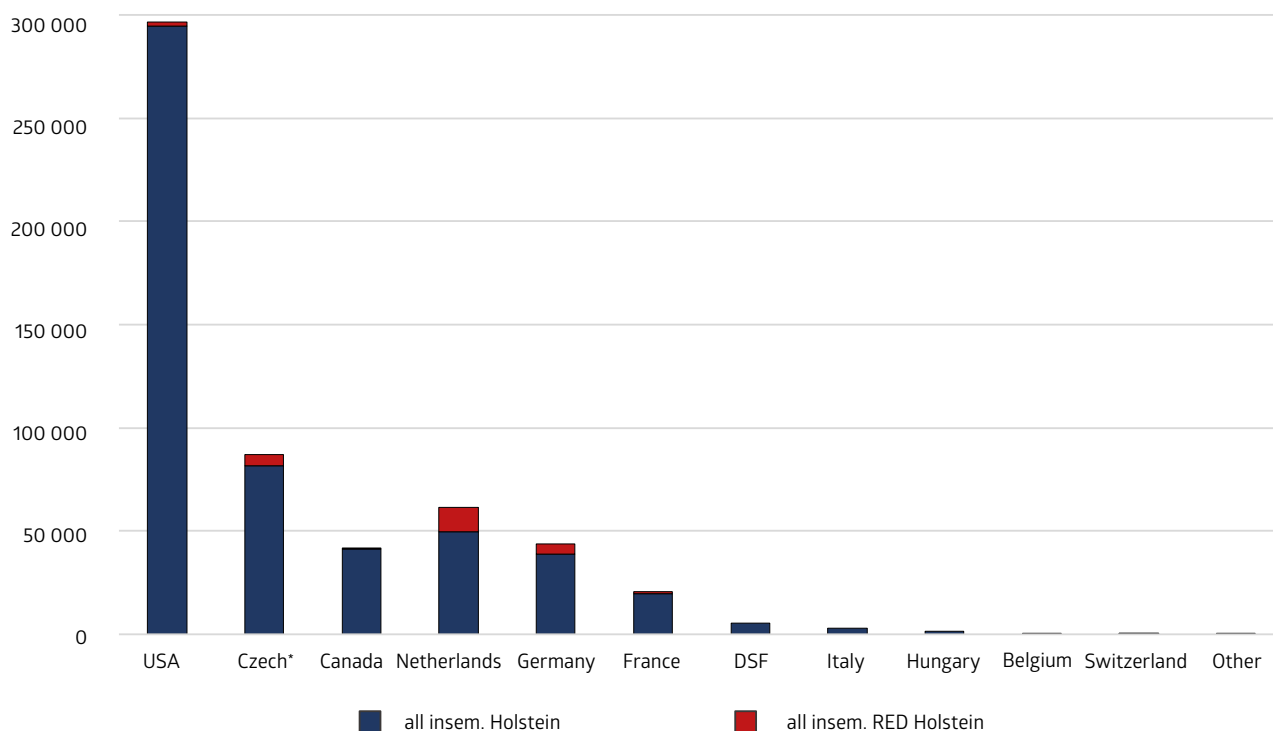
Rank	Cow	Breeder	Sire	Lac	LD	M kg	F %	F kg	P %	P kg	F+P kg
29	CZ000405118952	ZD DOBRUSKA	MARTIN	2	305	19994	3,76	752	3,19	638	1390
30	CZ000416151953	AGRODRUZST.SEBRANICE	LANDON	3	305	20996	3,35	703	3,26	684	1387
31	CZ000467635921	VOD ZDISLAVICE	LANDON	4	305	21022	3,48	731	3,12	656	1387
32	CZ000402443953	ZS OSTRETIN A.S.	URIAS	4	305	17189	4,35	748	3,71	638	1386
33	CZ000558499932	MECLOVSKA ZEMEDEL.AS	BATTLE	3	298	19163	3,65	700	3,56	683	1383
34	CZ000763347961	AGRAS BOHDALOV, A.S.	RUBICON	2	305	19269	4,11	791	3,06	590	1381
35	CZ000286557972	VALASSKE ZOD,DRUZST.	VANCOUVER	3	305	18317	4,40	806	3,12	572	1378
36	CZ000402440953	ZS OSTRETIN A.S.	CYRANO	4	305	20525	3,42	701	3,29	676	1377
37	CZ000455688921	AGRO JESENICE A.S.	TOPSY	5	305	20145	3,74	754	3,08	621	1375
38	CZ000402301953	ZS OSTRETIN A.S.	JORBEN	4	305	16311	4,69	765	3,73	608	1373
39	CZ000467875921	VOD ZDISLAVICE	RELOADER	3	305	20440	3,56	727	3,14	641	1368
40	CZ000700396961	AGRAS BOHDALOV, A.S.	URANUS	5	305	17171	4,45	764	3,52	604	1368
41	CZ000762540961	AGRAS BOHDALOV, A.S.	TOPNOTCH	4	305	18583	4,03	748	3,29	612	1360
42	CZ000402681953	ZS OSTRETIN A.S.	UGANDA	3	305	21949	3,23	708	2,96	650	1358
43	CZ000448374952	ZS KRATONOHY A.S.	DUKE	1	305	16704	4,35	726	3,78	631	1357
44	CZ000762428961	AGRAS BOHDALOV, A.S.	VANCOUVER	3	305	20540	3,62	743	2,99	614	1357
45	CZ000717340961	DRUZSTVO VYSOCINA	LAUTRUST	3	305	17644	4,27	753	3,42	603	1356
46	CZ000292522962	ZD JIRICE U MIROSLA.	SKETCH	4	299	18236	3,94	719	3,49	636	1355
47	CZ000621408932	MECLOVSKA ZEMEDEL.AS	RENEGADE	2	305	18854	3,69	696	3,49	658	1354
48	CZ000727430961	ZS VILEMOV, A.S.	ALTAEMBASSY	4	305	18549	4,11	763	3,18	590	1353
49	CZ000762917961	AGRAS BOHDALOV, A.S.	ZING	2	305	20258	3,42	692	3,26	660	1352
50	CZ000512678921	AGRO JESENICE A.S.	HOTLINE	3	305	18619	3,93	732	3,33	620	1352
51	CZ000416131953	AGRODRUZST.SEBRANICE	PRINCETON	3	305	16887	4,46	754	3,54	597	1351
52	CZ000520938932	ZEM.SPOL.KOMORNO A.S	CLOWN	4	305	16812	4,34	730	3,68	619	1349
53	CZ000467812921	VOD ZDISLAVICE	EVEREST	3	305	19327	3,69	713	3,29	635	1348
54	CZ000393008981	DV POLANKA NAD ODROU	DUKE	3	305	17769	4,15	738	3,42	608	1346
55	CZ000697576961	AGRODAM HOREPNIK SRO	BOASTFUL	5	305	19025	3,97	756	3,10	590	1346
56	CZ000481232953	ZS OSTRETIN A.S.	AXEL	2	305	18897	3,84	725	3,28	620	1345
57	CZ000441559952	ZEM,A.S. NOVY BYDZOV	RAIDEN	2	305	16751	4,33	726	3,69	618	1344
58	CZ000376568952	ZD DOBRUSKA	OGART	4	305	21295	3,35	713	2,95	629	1342
59	CZ000584330921	I.ZAS CHORUSICE	TWITCH	2	305	15975	4,71	752	3,69	589	1341
60	CZ000294239962	BONAGRO,A.S.	HOTLINE	3	305	14929	5,71	852	3,28	489	1341
61	CZ000792556961	LUKA,A.S.	ALTAPURITY	3	305	19443	3,74	728	3,15	612	1340
62	CZ000758610961	AGROPODNIK KOSETICE	BALISTO	3	305	15813	4,72	746	3,76	594	1340
63	CZ000402882953	ZS OSTRETIN A.S.	VANCOUVER	3	305	17093	4,34	742	3,49	597	1339
64	CZ000481186953	ZS OSTRETIN A.S.	ZAIRE	2	305	17966	4,07	732	3,37	606	1338
65	CZ000742455961	ZERAS A.S.	BENZ	4	305	19111	3,62	692	3,37	644	1336
66	CZ000762358961	AGRAS BOHDALOV, A.S.	VALMONT	4	305	17150	4,16	713	3,63	622	1335
67	CZ000763125961	AGRAS BOHDALOV, A.S.	HOTLINE	2	305	19589	3,71	727	3,10	608	1335
68	CZ000762243961	AGRAS BOHDALOV, A.S.	SKETCH	4	305	17836	4,19	748	3,29	587	1335
69	CZ000448270952	ZS KRATONOHY A.S.	BARDO	2	305	15929	4,63	737	3,74	596	1333
70	CZ000717124961	DRUZSTVO VYSOCINA	KICKBALL	3	305	18251	3,92	716	3,38	616	1332
71	CZ000467319921	VOD ZDISLAVICE	CONCERT	4	305	18504	3,67	680	3,52	651	1331
72	CZ000397295952	ROLNICKA A.S.KRALIKY	ALTAPURITY	4	305	17564	3,96	695	3,62	636	1331
73	CZ000762214961	AGRAS BOHDALOV, A.S.	URANUS	4	300	19562	3,51	686	3,29	644	1330
74	CZ000397330952	ROLNICKA A.S.KRALIKY	HOLVAL ISY	4	305	17194	4,32	742	3,42	588	1330
75	CZ000319751962	BONAGRO,A.S.	CANTUS	2	305	14901	5,30	790	3,62	539	1329
76	CZ000762640961	AGRAS BOHDALOV, A.S.	ZACK	3	305	19251	3,67	707	3,23	621	1328
77	CZ000415603953	AGRODRUZST.SEBRANICE	SERAC	4	305	18797	3,64	684	3,42	643	1327
78	CZ000762933961	AGRAS BOHDALOV, A.S.	ZING	2	305	19884	3,48	691	3,20	636	1327
79	CZ000405227952	ZD DOBRUSKA	HOTLINE	2	304	18662	3,89	726	3,22	601	1327
80	CZ000324113962	AGROLIP A.S. LIPOV	MILLINGTON	2	305	16734	4,86	814	3,07	513	1327
81	CZ000467619921	VOD ZDISLAVICE	LANDON	4	305	19452	3,59	698	3,23	628	1326
82	CZ000762902961	AGRAS BOHDALOV, A.S.	MARDI GRAS	2	305	19224	3,81	733	3,08	592	1325
83	CZ000762982961	AGRAS BOHDALOV, A.S.	VANCOUVER	2	305	19600	3,67	719	3,08	604	1323
84	CZ000420323953	ZD SLOUPNICE	DOORMAN	4	305	16335	4,27	697	3,83	625	1322
85	CZ000250862951	ZOD BRNISTE	DA SILVA	3	305	19349	3,85	745	2,98	576	1321
86	CZ000243786951	ZOD BRNISTE	RENEGADE	3	305	19921	3,82	760	2,82	561	1321
87	CZ000481031953	ZS OSTRETIN A.S.	ZING	3	305	20911	3,12	652	3,19	668	1320
88	CZ000402866953	ZS OSTRETIN A.S.	SEMINO	3	305	19127	3,62	693	3,28	627	1320
89	CZ000762851961	AGRAS BOHDALOV, A.S.	ZING	3	305	19079	3,76	717	3,15	601	1318
90	CZ000425561953	AG SKORENICE A.S.	FORWARD	3	300	16885	4,43	748	3,38	570	1318

5. Artificial insemination in 2024

5.1 Percent 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) 2024



* 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	820	268 563	95,2	549 495	149,3	2,05
Young bulls	466	168 239	62,6	343 870	62,6	2,04
at CZ AI stations	88	31 754		74 328		
Proven bulls	354	100 324	37,4	205 625	37,4	2,05
at CZ AI stations	61	6 598		17 882		
b) R&W	131	13 460	4,8	27 936	4,8	2,08
Young bulls	86	11 962	88,9	24 246	86,8	2,03
at CZ AI stations	18	2 307		5 075		
Proven bulls	45	1 498	11,1	3 690	13,2	2,46
at CZ AI stations	7	434		1 069		
Total B&W + R&W	951	282 023	100,0	577 431	100,0	2,05
Young bulls	552	180 201	63,9	368 116	63,8	2,04
at CZ AI stations	103	33 893		79 036		
Proven bulls	399	101 822	36,1	209 315	36,2	2,06
at CZ AI stations	74	7 730		20 703		

5.4 Breeding bulls with the highest number of 1st insemination

Name	1st ins.	All ins.	SIH	SIH2	Sire	Sire of Dam
IMPERIAL	6 424	13 206	PROV	134,3	Imax	Jedi
GARIDO	5 463	11 414	PROV	140,2	Gymnast	Penley
ALTAOLAF	5 113	10 153	PROV	120,8	Resolve	Delco
GODDARD	4 181	8 551	PROV	128,2	Blowtorch	Delta
ETC	4 160	9 696	GENOM	136,8	Foreman	Rubicon
DAGWOOD	3 706	6 747	GENOM	133,2	Morant	Renegade
LIBERATE	3 582	7 501	GENOM	137,7	Gigantix	Rush Hour
TYROL	3 467	6 735	GENOM	128,6	Parfect	Eisaku
ALTASEVERUS	3 383	6 232	GENOM	131,8	Plinko	Crimson
QUALITY	3 307	5 893	GENOM	132,1	Einstein	Ragen
ERROS	3 273	7 149	GENOM	141,9	Camus	Altaspring
EPY	3 266	5 698	G x P	128,7	Tampa	Achiever
HALFTIME	3 226	6 241	G x P	127,8	Gamechanger	Achiever
PALOMINE	3 002	5 789	GENOM	131,4	Hailed	Bundle
TIMBERLAKE	2 888	5 772	PROV	130,4	Imax	Supershot
EINSTEIN	2 695	5 907	PROV	135,1	Topnotch	Duke
ERNEST	2 641	5 878	GENOM	137,5	Foreman	Rubicon
TAHITI	2 513	4 629	PROV	123,8	Frazzled	Delta
ENGINEER	2 477	5 671	G x P	130,9	Pursuit	Prophecy
COLLECTOR	2 433	5 030	GENOM	129,6	Plinko	Frazzled
HYLANDER	2 410	4 786	GENOM	129,7	Holysmokes	Big AI
ZICO	2 366	5 368	GENOM	131,0	Cut	Pursuit
VAULTER	2 359	4 395	GENOM	141,6	Altamagnifique	Altaplinko
TENNESSEE	2 194	4 260	GENOM	113,2	Heroic	Achiever
VARSITY	2 182	4 466	GENOM	126,5	Heritage	Honda
PERPETUAL	2 177	4 309	PROV	128,9	Lionel	Medley
BARCLAY	2 044	3 838	PROV	132,6	Bubba	Rubicon
ALTASLAVIA	2 016	4 518	GENOM	124,3	Stealth	Bundle
GALLIVANT	1 911	3 682	GENOM	124,5	Expectant	Pursuit
WOODY	1 885	3 922	PROV	136,6	Ranger	Jetset
GORDY	1 883	3 593	PROV	128,7	Riveting	Granite
NORTON	1 740	3 160	PROV	120,7	Wings	Nominee
BIGSHOT	1 706	3 433	PROV	127,0	Renegade	Frazzled
DIABLO	1 586	3 455	GENOM	143,2	Rapid	Spring
ALTAEXQUISITE	1 542	2 794	GENOM	135,1	Zazzle	Pursuit
MR ZHAO	1 529	3 063	GENOM	121,2	Maximus	Toronto
CAPSTONE	1 512	3 111	GENOM	126,3	Captain	Charl
ZYMURGY	1 504	2 979	GENOM	139,2	Zooty	Incredible
GRANADA	1 491	2 888	PROV	121,3	Nugent	Frazzled
NATAN	1 491	3 264	PROV	124,5	Adagio	Doorsopen
BY PASS	1 449	2 551	PROV	128,1	Charl	Jedi
ELWOOD	1 403	2 672	PROV	133,7	Matters	Platinum

BULLS

At the first
insemination

Young bulls **63,9 %**

Proven bulls **36,1 %**

At all
inseminations:

Young bulls **63,8 %**

Proven bulls **36,2 %**



Name	1st ins.	All ins.	SIH	SIH2	Sire	Sire of Dam
MENTOR	1400	3 061	PROV	113,4	Magnus	Supershot
TYCHO PP	1397	2 758	GENOM	124,3	Star P	Gywer
DOLMEN	1374	2 821	GENOM	133,0	Topstone	Relevant
LIONEL	1325	2 250	PROV	125,9	Frazzled	Montross
DELIKVENT	1317	2 786	GENOM	131,8	Austad	Zekon
PLACID	1311	2 993	GENOM	127,4	Garido	Liepin
DYKSTRA	1306	1 711	PROV	129,0	Charl	Jedi
TANPURA	1297	2 439	GENOM	121,6	Overview	Alphabet
LUGNUT	1285	2 342	GENOM	127,4	Alcove	Eugenio
RASHAN	1265	2 635	PROV	120,0	Renegade	Achiever
ALCOVE	1255	2 272	PROV	125,8	Duke	MVP
ENERGY	1192	2 971	GENOM	133,6	Blackfoot	Zing
GYMNAST	1181	2 010	PROV	132,5	Doorsopen	Jabir
ZURI	1176	2 255	GENOM	140,4	Zazzle	Tahiti
ESCAPADE	1162	2 506	GENOM	120,8	Acura	Samaritan
KIELER	1079	2 136	PROV	123,5	Kenobi	Frazzled
ALTAWHEELHOUSE	1041	1 949	PROV	123,5	Pursuit	Duke
SURIBAY P	1037	1 938	GENOM	125,2	Mali P	Garido
BILLBOARD	1033	2 063	GENOM	126,4	Duffy	Guzman
TROOPER	1025	2 026	PROV	141,5	Renegade	Legendary
MAKE	1025	2 431	GENOM	125,3	Mahomes	Copyright
SHARK	1024	1 963	GENOM	121,8	Taos	Discjockey
MINGUS	1010	2 065	GENOM	133,5	Pursuit	Superhero
MEGARUN RC	982	1 846	GENOM	132,3	Ranger Red	Riveting
JELMER	927	2 169	GENOM	132,3	Moon	Skywalker
FUGLEMAN	924	1 828	GENOM	128,6	Altazazzle	Positive
BONAPARTE	915	2 210	GENOM	132,7	Semino	Polledstar P
HOLYSMOKES	906	1 604	GENOM	124,0	Highjump	Renegade
SELTZER PP	906	1 678	GENOM	120,8	Sorelio P	Gywer
EL COMPLETO	890	1 358	GENOM	126,3	Captain	Redrock
FROST BITE	869	1 652	GENOM	119,3	Granada	Lionel
SOLDADO	868	1 941	GENOM	129,1	Poulidor	Jazz
ALDO	855	1 886	GENOM	121,1	Acura	Medley
MAGNUM	850	1 581	GENOM	124,6	Alphabet	Jared
DREW	850	1 698	GENOM	136,1	Graziano	Rapid
ALTAGRAVERAVE	846	1 512	GENOM	129,1	Pendulum	Altastealth
CUMULUS	845	1 580	GENOM	132,9	Conway	Lionel
SWIFFER	826	1 520	GENOM	131,1	Hulk P	Keeper P
TARGET	817	1 664	GENOM	125,7	Aerosmith	Chilton
RHUMRAISIN	816	1 540	GENOM	116,4	Oheme	Mondeo
BRAVE	807	1 486	PROV	114,9	Timberlake	Trajectory
ROVER	793	1 736	GENOM	121,2	Zazzle	Positive
PARSLY	791	1 513	G x P	135,8	Town	Lambda
ELIXIR	790	1 715	GENOM	131,7	Altalanzo	Twitch
GRIFF	787	1 333	PROV	135,3	Silver	Supersire
PORTER	785	1 486	PROV	115,2	Lionel	Delta
BLINKO	781	1 723	GENOM	135,8	Altaplinko	Charl
DRONE PP RED	769	1 463	GENOM	127,2	Nectar	Esperanto
REDFORD	767	1 452	GENOM	123,8	Ranger Red	Ronald
SIRI PP RF	760	1 620	GENOM	116,7	Spice P	Keross
PATCH	757	1 460	GENOM	127,4	Timberlake	Burley
ESTED	749	1 644	GENOM	131,7	Hailed	Semino
PARKER	727	1 479	GENOM	125,6	Parfect	Brass
CAELUM	719	1 645	PROV	127,3	Supershot	Mogul
ALTAZAREK	716	1 387	PROV	133,2	Altatopshot	Rubicon
FRANKFURT	716	1 326	GENOM	127,2	Foreman	Copyright
GLAMOUR	707	1 483	GENOM	127,5	Goliath	Spark Red
PICARD	701	1 584	GENOM	137,4	Pikachu	Casino
MERCUTIO	700	1 502	PROV	130,4	Altahotrod	Gainsbarre
ALTABOJACK	687	1 383	GENOM	126,5	Rocketfire	Marius
RADLEY	679	1 601	PROV	127,7	Medley	Josuper
FREESTYLE RED	677	1 338	G x P	127,2	Gywer RDC	Born P RDC
ZENYATTA	676	1 156	GENOM	131,5	Zazzle	Rolan
SPIDER	668	1 247	GENOM	117,7	Midas	Altadateline
TARTUF	667	1 519	GENOM	126,7	Pellegrino	Chief
OPTIMIZER	666	1 442	GENOM	133,4	Martin	Hotline
GINETTA	665	1 166	PROV	123,1	Guarantee	Delta
ALTAGIVEAWAY	660	1 276	PROV	137,5	Gamechanger	Romero
MILKY	656	1 380	PROV	125,9	Lionel	Achiever
MOONSHINER	635	1 309	PROV	127,6	Tahiti	Flagship
BENEFIT	631	1 104	GENOM	124,6	Bonafide	Entity
HONEYCOMB	629	1 101	G x P	122,7	Altazarek	Prophecy
AVAR	627	1 375	PROV	129,1	Vancouver	Jedi

Name	1st ins.	All ins.	SIH	SIH2	Sire	Sire of Dam
DONUT P RED	617	1 282	GENOM	133,7	Grando	Solitaire P
ELIEN	613	1 525	GENOM	128,9	Star P	Axel
ENTITY	611	1 274	PROV	120,9	Matters	Rubicon
FOXCATCHER	600	1 164	PROV	119,7	Panther	Foxsong
ALTAKAWAII	598	1 082	GENOM	132,3	Altakevlow	Pursuit
DIPLOMAT	597	1 360	GENOM	122,2	Conway	Gamechanger
DISKUS	595	1 417	GENOM	134,7	Gladius	Crimson
RELOADER	590	1 170	PROV	119,3	Finder	G Force
EVENT	588	1 141	GENOM	126,2	Einstein	Marius
ALTADOBBOY	587	941	GENOM	120,8	Fastball	Milktime
ODANA	587	1 115	GENOM	121,8	Galileo	Sanjay
BALATON	585	1 336	G x P	127,7	Semino	Mardi Gras
MECANICO	585	998	GENOM	126,4	Altakevlow	Altazazzle
CESNA	563	1 300	GENOM	130,3	Audi	Semino
RENEGADE	559	1 142	PROV	130,9	Jaltaoak	Millington
DUANE	559	898	GENOM	130,3	Memorial	Billy
FELIX	552	1 300	GENOM	132,5	Lovoo	Sanjay
RUPERT	545	1 181	PROV	131,8	Renegade	Matters
ALTAALANZO	541	1 040	GENOM	131,8	Altazazzle	Guinness
EVITE	525	931	GENOM	122,2	Pursuit	Maverick
BILLY	525	939	PROV	126,2	Achiever	Rubicon
HIGH OOHM	524	1 082	GENOM	116,4	Highjump	Granite
MEMBER PP	522	883	GENOM	126,6	Matty	Solitaire P
FASTLANE	516	951	GENOM	124,7	Fastball	Skywalker
MITCHELL	510	925	PROV	131,4	Mitchell	Bombero
PILATES	509	1 078	PROV	124,3	Jetset	Danno
RICOCET	503	927	G x P	121,6	Renegade	Resolve
GIBSON	503	973	GENOM	126,6	Moonshiner	Renegade
EMACS	499	1 040	GENOM	125,4	Zaz	Pursuit
TAOS	498	952	PROV	125,7	Renegade	Jedi
ALTAWOODSIDE	493	1 001	GENOM	125,1	Wheelhouse	Lionel
DAKAR	492	1 410	GENOM	123,0	Hailed	Timberlake
PEACE	492	1 025	GENOM	131,8	Captain	Redrock
DEMOON	482	1 089	GENOM	135,2	Moon	Zekon
HOMEGROWN	481	914	GENOM	132,7	Altakevlow	Big Al
PUSCHKIN	475	1 037	GENOM	127,6	Palmer	Kensington
HERCULES	473	1 036	G x P	119,2	Heroic	Frazzled
INTRICATE	467	748	PROV	120,0	Pursuit	Achiever
RASTABALL	467	788	GENOM	114,7	Fastball	Alcove
DUKO	459	1 088	G x P	132,1	Charl	Altatopshot
RUNNER	458	1 040	GENOM	126,7	Crown	Duke
DELON	456	997	GENOM	132,1	Eastwood	Dynamo
DELAWARE	456	964	GENOM	130,7	Moline	Semino
NADRAC	453	985	PROV	118,4	Kerrigan	Supershot
GIOVANNI	450	882	GENOM	131,7	Pursuit	Guarantee
MASHAK	449	870	GENOM	126,1	Maximus	Tahiti
ALTAMACARIO	447	867	GENOM	125,4	Altazemini	Acura
RORY	437	908	PROV	126,0	Gatedancer	Rubicon
BANNER	436	673	PROV	133,4	Crimson	Blowtorch
CATCHY	429	1 103	GENOM	125,1	Charl	Jedi
OUT THERE	428	962	GENOM	121,0	Outcome	Alphabet
FARIDO	427	1 124	GENOM	130,2	Garido	Lionel
ALTASAMSON	423	713	GENOM	136,1	Altakevlow	Big Al
ASLAN	422	1 389	PROV	126,9	Gymnast	Yoder
BORD RED	421	725	GENOM	129,7	Solitaire P	Pace Red
CASHIN	413	692	PROV	121,2	Rubicon	Cashcoin
LANGLEY	410	1 181	PROV	127,8	Hotline	Delta
BON JOVI	410	1 736	PROV	135,6	Semino	Gatedancer
BRUNO	409	729	PROV	127,0	Semino	Gatedancer
ABS CRIMSON	408	865	PROV	128,1	Spectre	Rubicon
DESERT	405	1 214	GENOM	127,6	Geyser P	Semino
JERICK	402	546	GENOM	129,3	Captain	Nightcap
TOOLATE	400	733	GENOM	127,6	Altakevlow	Breakdown
ALTAPLINKO	399	505	PROV	138,5	Marius	Altatopshot
CERT	399	898	GENOM	117,8	Twitch	Gatedancer
DYNORAMA	397	749	GENOM	123,3	Rayshen	Legacy
UPSWING	396	545	PROV	120,6	Pursuit	Duke
DYK	394	1 051	GENOM	128,7	Eastwood	Dynamo
PATAN	393	713	GENOM	132,3	Zasberilla	Delta Lambda
WATERLOO	392	715	GENOM	125,4	Winterfell	Legacy
BOULEVARD	388	782	G x P	114,8	Billy	Medley
TORETTO	388	798	PROV	125,5	Timberlake	Jedi
MONARCH	386	457	GENOM	133,7	Buxton	Captain
MONTEVERDI	384	599	G x P	130,5	Altazazzle	Positive





REPRODUCTION 2024

390
intercalving interval

23/26
age of first calving

PREGNANCY
The first insemination

Total
40,5 % cows

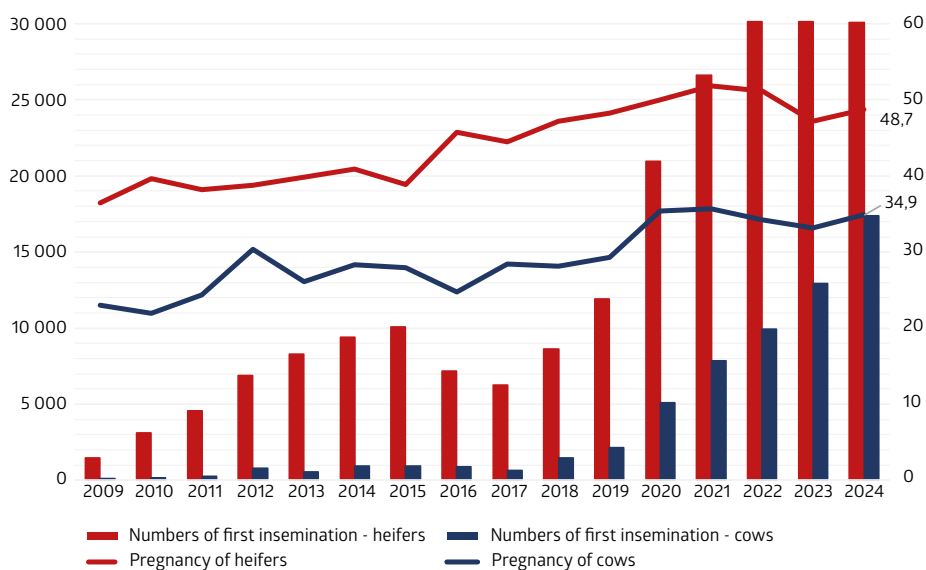
57,3 % heifers

Sexed semen

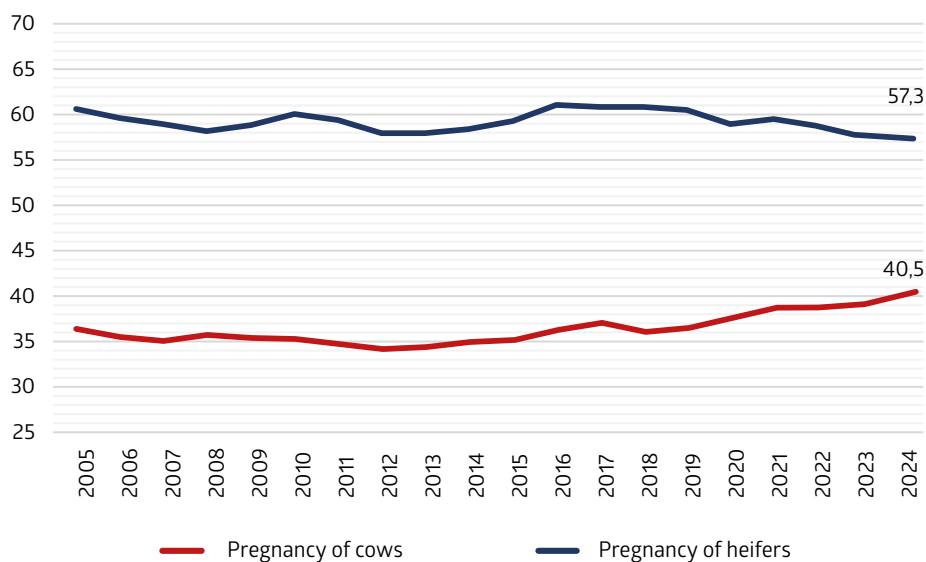
34,9 % cows

48,7 % heifers

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

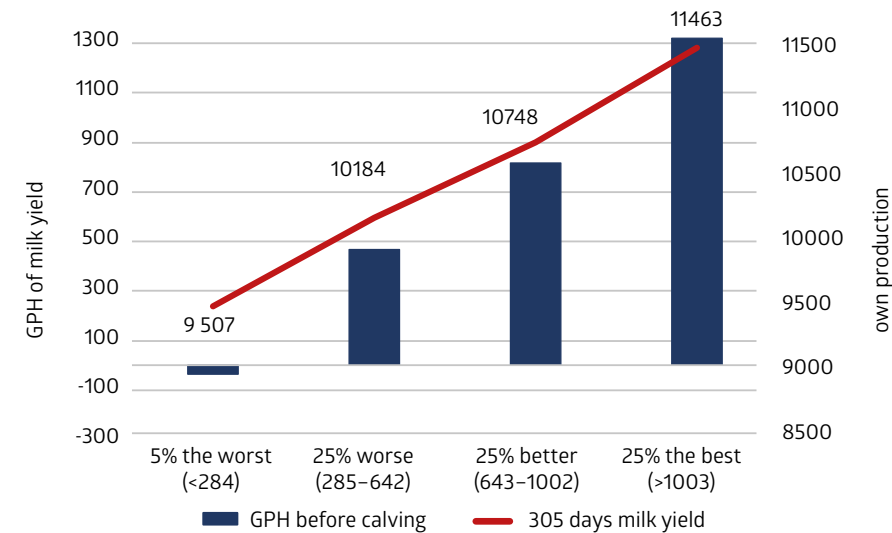


5.6 Conception of the first insemination



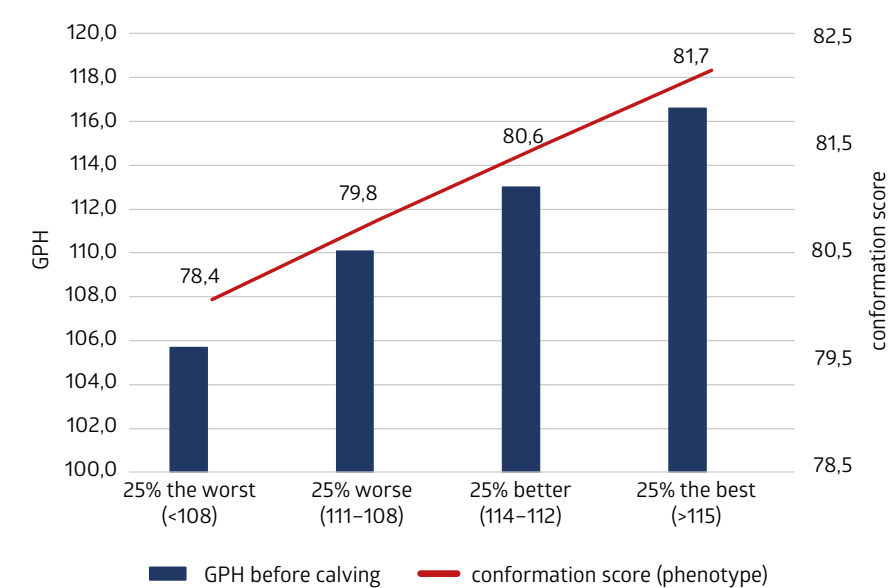
6. Comparison of genomic Breeding Values and phenotype

6.1 Comparison of GPH and milk production (305 days)



n = 28423
Calculation of GPH in 12/2024

6.2 Comparison of GPH and conformation



n = 33 326
Calculation of GPH in 12/2024

12/2024

97 000
genotyped heifers

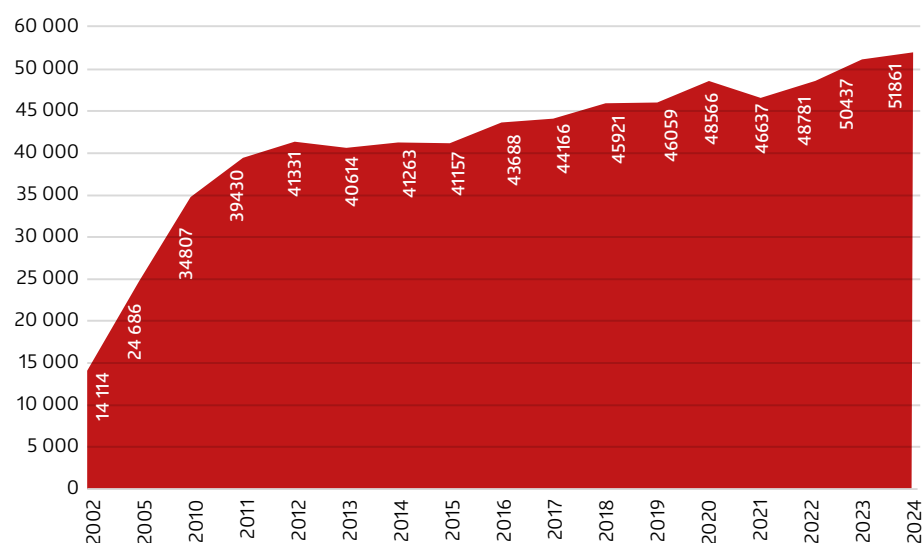
94 000
calculation of GEBV

28 000
milk 1st lactation
(phenotype)



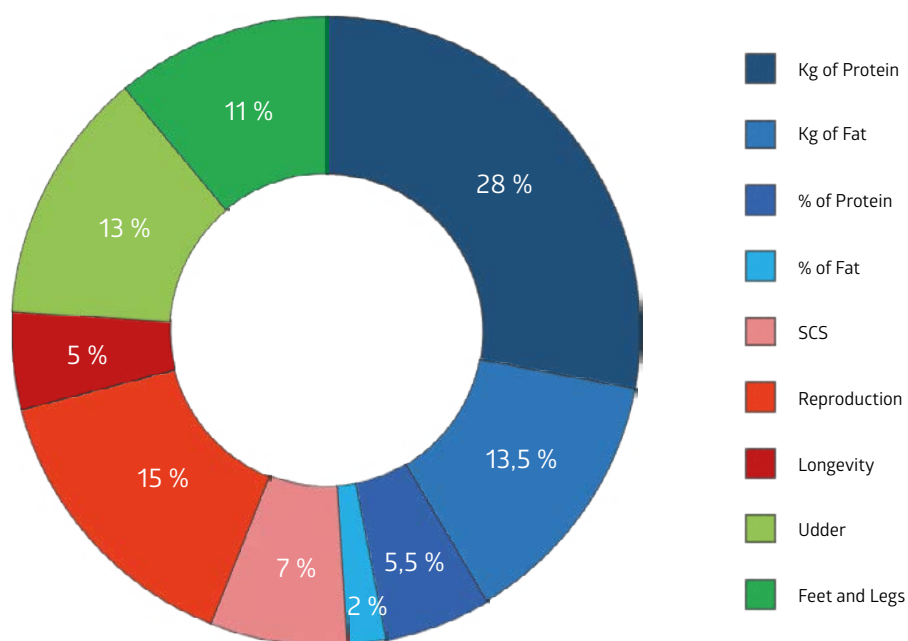
7. Type evaluation

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	169 214	3,28	4 981	2,86	4 346
2	3562-953	OSEVA ESTER	EROTIC	OSEVA A.S. CHRUDIM	12	158 942	3,41	4 987	3,25	4 760
3	56354-246	MASA	BELLWOOD	JINDROVA ZEMED.FARMA	13	157 989	4,26	5 947	3,09	4 302
4	101648-205	MARUSKA	SID	AGRODRUZSTVO ZAHORI	11	156 587	3,44	4 575	2,90	3 857
5	339905-931	ZAHORI GABINKA	O MAN	AGRODRUZSTVO ZAHORI	10	151 925	3,10	4 331	3,30	4 611
6	44130-265	HELENKA	LANGS	AGRODRUZSTVO ZAHORI	12	151 835	3,58	4 769	3,02	4 025
7	1503450-799	GERTRUDA	TRUMAN	MORAVAN, A.S.	10	151 303	3,75	4 812	3,29	4 222
8	296316-961	ZERAS MAMBA ET	MASCOL	ZERAS A.S.	11	150 122	3,33	4 668	3,20	4 487
9	256200-921	KRA-HO JESSI 1	ASHLAR	ZD KRASNA HORA A.S.	12	149 515	3,69	4 826	3,22	4 214
10	308844-921	NACERADEC BLANKA	SILAS	AGRO DRUZSTVO NACERA	11	149 499	3,74	4 758	3,06	3 885
11	44207-328	PRINCEZNA	MASTER	CZF MILLER	8	149 335	3,34	4 040	3,11	3 754
12	137153-921	IRMA	GORBY	KOPECKY PAVEL	8	148 427	3,13	3 748	3,08	3 685
13	187257-961	AGRAS ADELKA	CONKER	AGRAS BOHDALOV, A.S.	9	148 170	3,50	4 404	3,04	3 815
14	164260-951	BR VG JULINKA	LOGAN	ZOD BRNISTE	10	146 404	4,22	5 781	3,27	4 483
15	331631-932	BERTA	DIE-HARD	ALIMEX NEZVESTICE AS	11	145 973	3,76	4 652	3,35	4 151
16	236581-971	ADELA	T PETER P	VYJIDACEK RADOMIR	9	145 908	3,87	5 207	3,20	4 307
17	161329-981	HALINA	ECONOM	DRUZSTVO ZAGRA	11	144 596	2,94	4 061	2,82	3 894
18	222923-953	OSEVA ARANCA 2	STAME	OSEVA A.S. CHRUDIM	10	143 751	3,71	5 066	3,15	4 303
19	191151-932	ELIZABETH	A-A WIN 395	OD SOBESICE	9	143 631	3,67	3 998	3,18	3 460
20	524046-961	AGRAS HOLLY	HILL	AGRAS BOHDALOV, A.S.	9	143 489	3,68	5 073	3,27	4 497
21	63536-614	ZERAS CESNA	CALVIN	ZERAS A.S.	10	143 455	3,42	4 510	3,00	3 958
22	146716-952	KRALIKY MARCELA	ISIDORUS	ROLNICKA A.S.KRALIKY	11	143 452	3,56	4 720	2,91	3 854
23	260274-961	BARA	O MAN	ZP OSTROV, A.S.	11	142 892	3,48	4 881	3,35	4 698
24	269106-932	AMALKA	EVERETT	KLADRUBSKA A.S.	10	142 816	3,62	4 572	3,13	3 946
25	301734-932	DOROTA	JAMMER	JILEK JAN ING.	10	142 621	3,61	4 463	3,07	3 802
26	63505-614	ZERAS CARMEN	CALVIN	ZERAS A.S.	9	142 576	3,42	4 473	3,19	4 176
27	136637-614	N-V BARBORA	GARRETT	ZDV NOVOVESELSKO	11	142 560	3,27	4 108	2,96	3 727
28	183825-962	EVELINA	BARCLAY	ZD JIRICE U MIROSLA.	11	140 218	4,13	4 975	3,26	3 930
29	524025-961	NELA	HILL	ZD RUZOVY PALOUCEK	9	140 180	3,27	4 282	3,08	4 036
30	446392-961	IVETA	INLEE	AGRO POSAZAVI, A.S.	7	139 437	3,37	3 359	3,06	3 054
31	141678-962	SOJKA	RAFAEL	DRAPAL STANISLAV ING	10	139 099	3,56	3 920	3,18	3 504
32	213638-972	ZASNI LUCINKA	SHAMROCK	ZEM.AKC.SPOL.NIVNICE	9	139 048	3,57	4 664	3,10	4 050
33	308842-932	BOZENA	GARTON	KOPACKA FERDINAND	8	138 933	3,45	3 684	3,08	3 291
34	134947-204	BRONA	ENEM	AGROPODNIK KOSETICE	14	138 707	4,59	5 772	3,32	4 171
35	124585-952	KRALIKY NIKOLA	MALWOOD	ROLNICKA A.S.KRALIKY	10	138 598	3,72	4 404	3,17	3 750
36	18348-203	CRF LIDA	CUBBY	CRF,SPOL.S.R.O.	10	138 578	3,32	3 730	3,14	3 529
37	117324-204	HOREPNIK BIANKA	BURMEISTER	AGRODAM HOREPNIK SRO	12	138 558	3,32	3 926	3,00	3 551
38	173027-951	BR VG BARUNKA	JOINT	ZOD BRNISTE	8	138 510	4,07	4 708	3,35	3 867
39	76340-264	CILKA	MR MOON	AGROPODNIK KOSETICE	12	137 645	3,55	4 361	3,03	3 727
40	452810-961	AGRAS AGRIAS	KRAMER	AGRAS BOHDALOV, A.S.	7	137 441	3,31	3 741	2,93	3 310
41	45031-961	CERNOV LADY 2	BOMBAY	ROZVODI CERNOV S.R.O	9	137 226	3,36	4 106	3,29	4 017
42	388739-961	SKARYD BELLA	BRAVEHEART	SKARYD JAN ING.	11	137 135	3,63	4 299	3,34	3 957
43	111713-204	BETA	JALAPENO	AGROPODNIK KOSETICE	12	137 069				
44	119864-505	BLANKA	MANAT	ZD DOLANY	10	136 984	3,44	4 185	3,23	3 933
45	248582-921	NACERADEC MARTINA	ASHLAR	AGRO DRUZSTVO NACERA	10	136 945	4,19	5 100	3,49	4 248
46	118846-501	VYSOKA MILKA	MASCOTTE	POLABI VYSOKA A.S.	12	136 760	4,04	4 978	3,35	4 129
47	163186-971	TARJA	KNOT	MESPOL MEDLOV, A.S.	9	136 741	3,15	3 761	2,97	3 544
48	100298-110	MANKA	CIPISEK	CZF MILLER	7	136 648	2,93	2 946	2,88	2 897
49	103540-505	KARLA	INDER	ZD DOLANY	12	136 476	3,47	4 579	3,23	4 260

Rank	Cow	Name	Sire	Breeder	Lac.	Milk Kg	F %	F Kg	P %	P Kg
50	426781-961	N-V MARINA	JAMMER	ZDV NOVOVESELSKO	10	135 853	3,38	4 312	3,02	3 852
51	486645-961	AGRAS STELLA	SUPERSTITION	AGRAS BOHDALOV, A.S.	9	135 704	3,54	4 480	3,15	3 981
52	304864-921	ZDENKA	KODAK	ZS SLOVEC A.S.	8	135 392	3,88	4 115	3,35	3 546
53	271848-932	BABINKA	TERRAY	ALIMEX NEZVESTICE AS	10	135 372	3,42	4 248	3,02	3 749
54	229613-932	MECLOV ESTER 23	AIRRAID	MECLOVSKA ZEMEDEL.AS	10	135 196	4,05	4 767	3,24	3 818
55	304904-921	XENIE	SAMBO	ZS SLOVEC A.S.	10	135 103	3,48	4 385	3,43	4 327
56	81707-621	LADA		VOS ZEMEDEL.CU,A.S.	11	135 045	3,29	4 110	2,93	3 658
57	378550-961	JARCA	JAKE	ZD DUSEJOV,DRUZSTVO	10	134 950	3,52	4 316	3,00	3 679
58	120880-505	MARTINA	MANAT	ZD DOLANY	11	134 740	3,65	4 584	3,20	4 028
59	37299-645	JULCA	JESTHER	SVIZELA JOSEF	13	134 303	3,65	4 608	3,27	4 128
60	399215-961	STELA	GUARDIAN	AGROPODNIK KOSETICE	9	134 069	3,53	4 342	2,87	3 523
61	217275-953	BABCA	TERRAY	HANACKA ZS JEVICKO	10	133 950	3,19	4 059	3,03	3 857
62	101482-105	JEDNICKA	K-MAN	PIAS SUCHDOL, A.S.	11	133 889	3,33	3 878	3,01	3 504
63	370043-961	N-V MARKETA	DIE-HARD	ZDV NOVOVESELSKO	12	133 887	3,77	4 963	3,27	4 300
64	163129-981	FARM-VA ASTREA A11	FLIP	ZD RUZOVY PALOUCHEK	10	133 497	3,48	4 211	3,07	3 717
65	243265-953	OSEVA KIANKA 355	KIAN	OSEVA A.S. CHRUDIM	11	133 395	3,16	4 011	3,26	4 134
66	267499-961	MARIANA	LYNCH	AGRA BRTNICE, A.S.	9	133 134	3,53	4 040	3,06	3 503
67	148360-972	ZASNI KARLICKA	TOYSTORY	ZEM.AKC.SPOL.NIVNICE	10	133 102	3,11	3 674	3,06	3 618
68	452859-961	AGRAS MIA	SUPERSTITION	AGRAS BOHDALOV, A.S.	8	132 983	3,20	3 814	3,13	3 739
69	290408-953	ZIVA ZUZA	OMANOMAN	ZIVA A.S.	8	132 838	3,44	3 978	3,11	3 593
70	8396-961	AGRAS BOZENKA	DANE	AGRAS BOHDALOV, A.S.	9	132 158	4,09	4 730	3,15	3 645
71	260394-961	SELEKTA STRAKA	POTTER	SELEKTA PACOV,A.S.	10	131 906	3,19	3 741	3,12	3 665
72	264951-953	SLAVKA	TORLAN	AGRODRUZSTVO KLAS	11	131 672	3,72	4 599	3,26	4 029
73	129810-972	ZASNI JANICKA	POTTER	ZEM.AKC.SPOL.NIVNICE	10	131 587	3,62	4 303	2,90	3 454
74	185970-981	BETKA	FLIP	DRUZSTVO ZAGRA	9	131 577	3,52	4 021	3,13	3 573
75	453024-961	AGRAS ARTEMIS	ARDEN	AGRAS BOHDALOV, A.S.	9	131 439	3,50	4 157	3,13	3 709
76	123128-972	JECMINEK MIRIAM	VIRGAS	AGROJECMINEK S.R.O.	10	131 336	3,62	4 054	3,04	3 409
77	139665-972	JECMINEK PAVLA	ECONOM	AGROJECMINEK S.R.O.	8	131 336	3,41	3 901	3,02	3 460
78	254092-953	BABA	MERIT	ZEVAS VRACLAV A.S.	10	131 223	3,50	4 437	3,24	4 113
79	169619-972	ZASNI EVICKA	FLORYN	ZEM.AKC.SPOL.NIVNICE	9	131 207	3,90	4 494	3,27	3 768
80	582677-961	AGRAS MARILOU	SUPERSIRE	AGRAS BOHDALOV, A.S.	8	131 196	3,40	3 797	3,08	3 437
81	486560-961	AGRAS HILDA	HILL	AGRAS BOHDALOV, A.S.	9	131 082	3,76	4 653	3,21	3 968
82	153391-921	NACERADEC KATKA	CONCORD	AGRO DRUZSTVO NACERA	8	131 066	3,56	3 654	3,15	3 232
83	194355-951	MARENKA	E.T.SHOTTLE	ZOD BRNISTE	7	130 998	3,77	3 740	3,16	3 143
84	143503-614	N-V BLAZENA	ROSCOE	ZDV NOVOVESELSKO	10	130 260	3,04	3 805	2,91	3 645
85	343279-921	BEDA	HEROIC	ZS SLOVEC A.S.	7	130 165	3,14	3 339	3,42	3 630
86	101857-971	MARTINA	CROCODILE	AGRAS ZELATOVICE A.S	9	129 619	3,70	3 649	3,06	3 024
87	142887-972	JANICKA	FAB	AGD MORKOVICE,DRUZS.	11	129 601	4,19	4 902	3,59	4 206
88	173-921	KRA-HO PETRA	JESTHER	ZD KRASNA HORA A.S.	10	129 471	3,59	4 125	3,02	3 475
89	118041-101	BETY	JESTHER	KOPECKY PAVEL	7	129 442	4,24	4 651	3,32	3 643
90	125433-205	ZAHORI IVANKA	BOND	AGRODRUZSTVO ZAHORI	8	129 287	3,51	3 900	2,87	3 186
91	308344-921	ZDISLAVICE MATYLDA	HILL	VOD ZDISLAVICE	7	128 987	3,47	3 744	3,03	3 271
92	219192-971	RENO CAMRDA	ILUSE	RENOFARMA TROUBKY	7	128 943	3,24	2 868	2,97	2 629
93	280500-931	TYNA	JUTA	ZD NOVOSEDLY	14	128 917	4,13	5 021	3,51	4 270
94	293152-932	JELINEK	SCOOBY-DUU	ALIMEX NEZVESTICE AS	9	128 692	3,53	4 039	3,27	3 739
95	453759-961	JANA	JUNCTION	ZEMKO KOZLI A.S.	10	128 574	3,67	4 426	3,37	4 069
96	156161-972	JECMINEK VIKTORIE	KONZUL	AGROJECMINEK S.R.O.	7	128 570	4,26	4 260	3,18	3 180
97	217186-932	MECLOV JESSIKA	JESTO	MECLOVSKA ZEMEDEL.AS	10	128 532	3,86	4 322	3,05	3 411
98	378233-961	ALBINA	BOYCOTT	AGRO POSAZAVI, A.S.	11	128 248	3,31	4 109	3,10	3 839
99	5944-610	BABINA		ZD SEMIKOVICE	14	128 234	4,55	5 387	3,45	4 089
100	189907-972	ZASNI JISKRA	BEACON	ZEM.AKC.SPOL.NIVNICE	8	128 150	3,52	4 169	3,02	3 586



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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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