



Annual

HOLSTEIN CATTLE BREEDERS ASSOCIATION OF THE CZECH REPUBLIC

report

2021





AGRAS CAPPUCCINO - National Champion



CIHLAR APOLKA RED - Reserve Champion



CHOUSIC DOC METAXA 7 - Best first lactation cow



AGRAS LATTE - Best udder



CIHLAR ALBY III - Best heifer

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1. Introduction

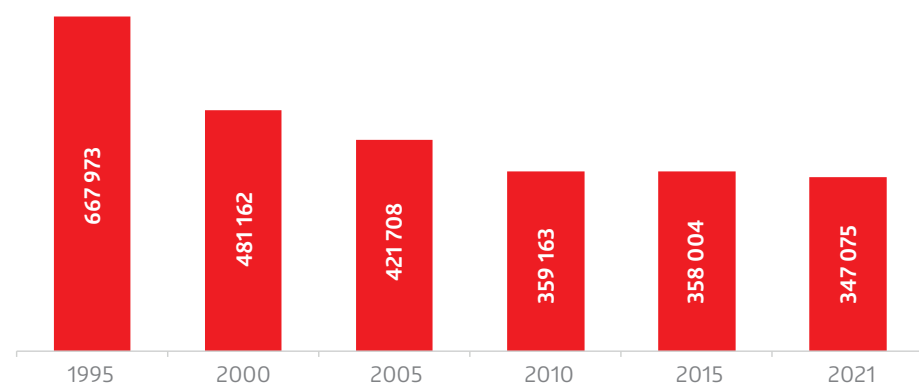
Dear readers,

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 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

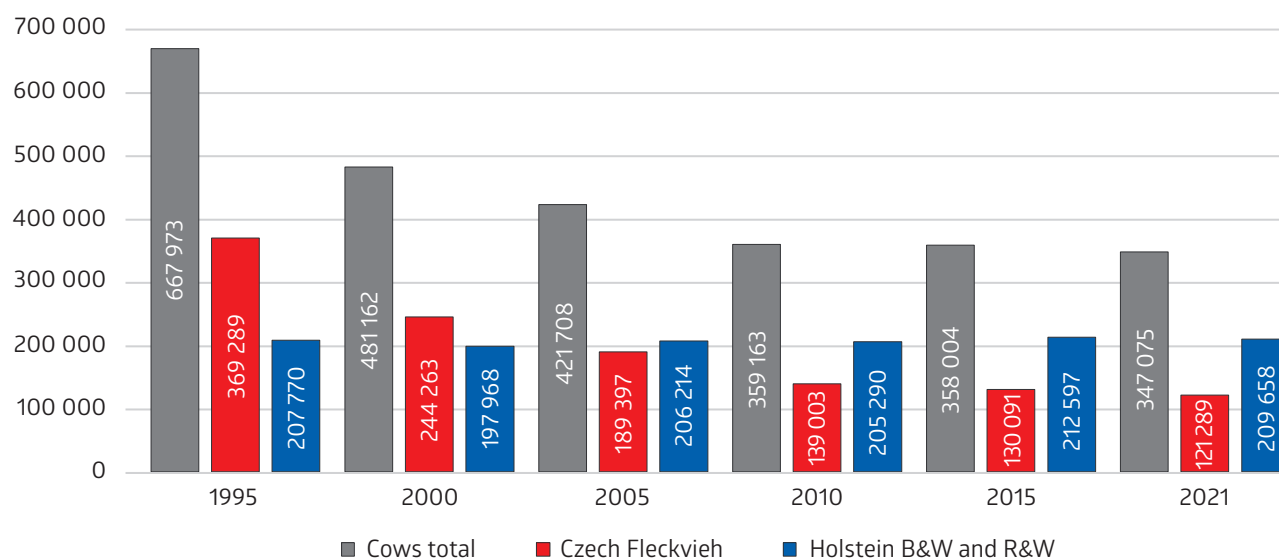


NUMBER OF MILK RECORDED COWS

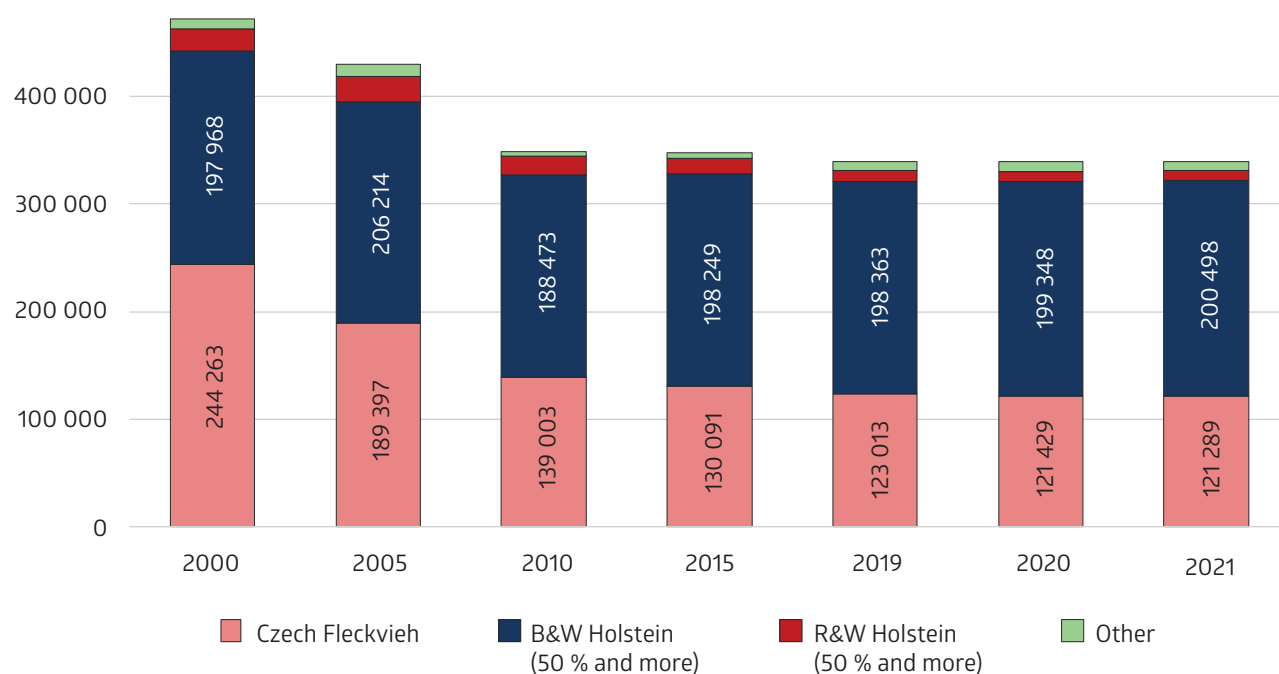
60,4 % Holstein cows

175 973 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 2020/2021

10 440 kg average milk production

3,86 % average milk fat

403 kg average fat production

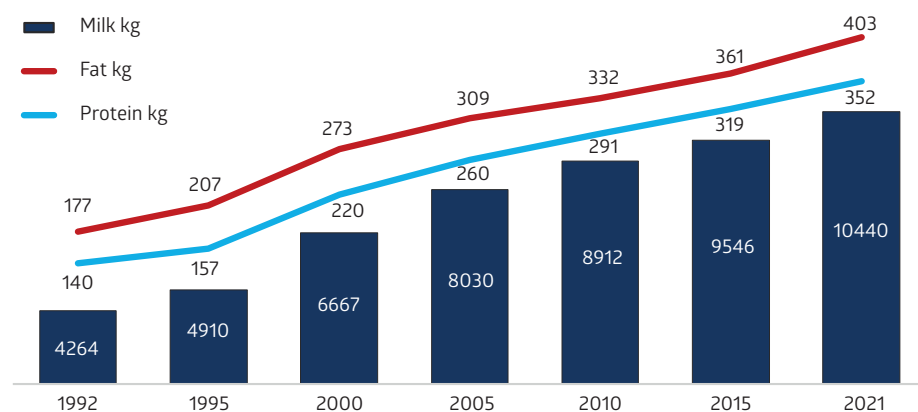
3,37 % average milk protein

352 kg average protein production

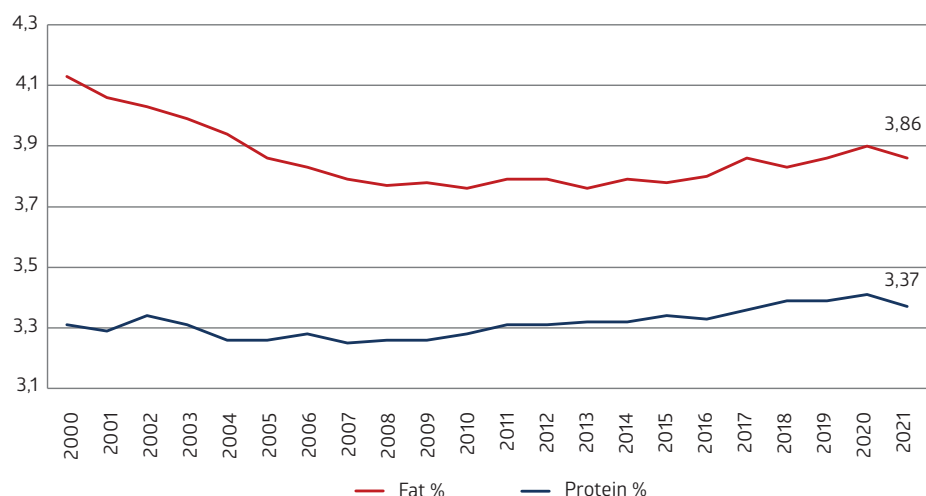
397 intercalving interval

30 760 kg average lifetime milk yield

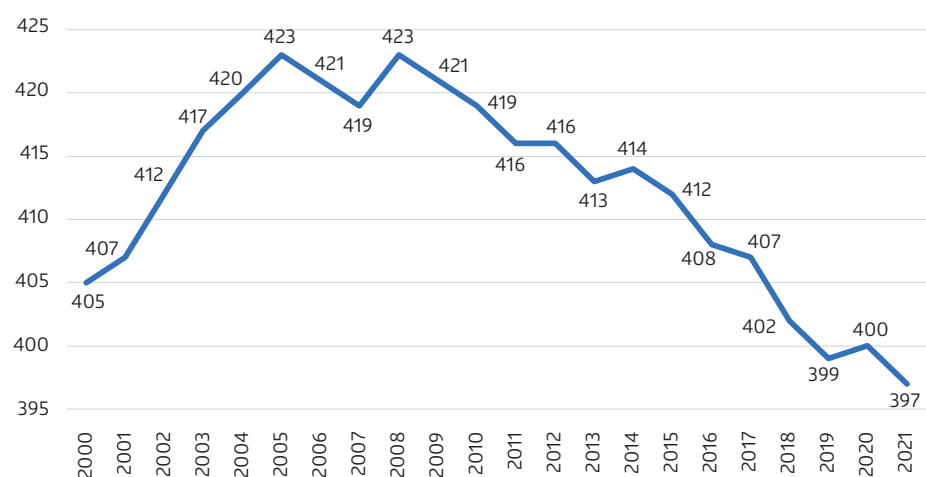
3. Production development of milk recorded holstein cows in the year 2020/2021



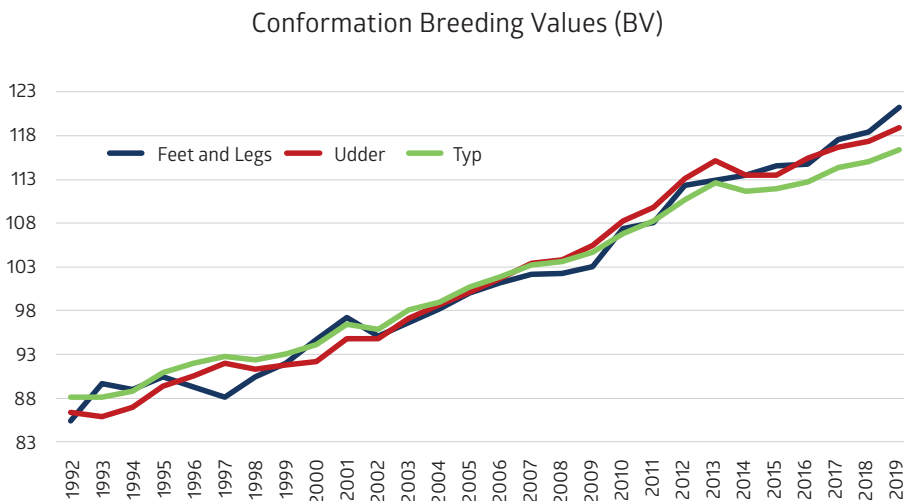
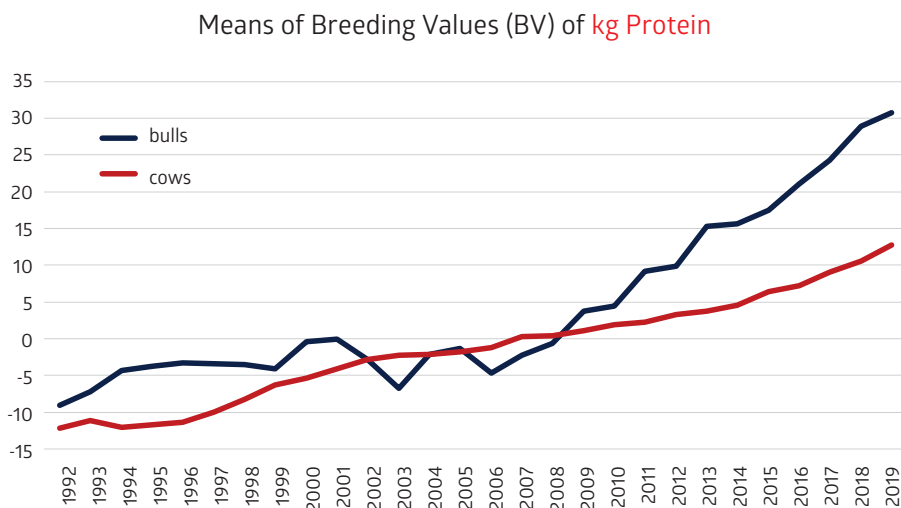
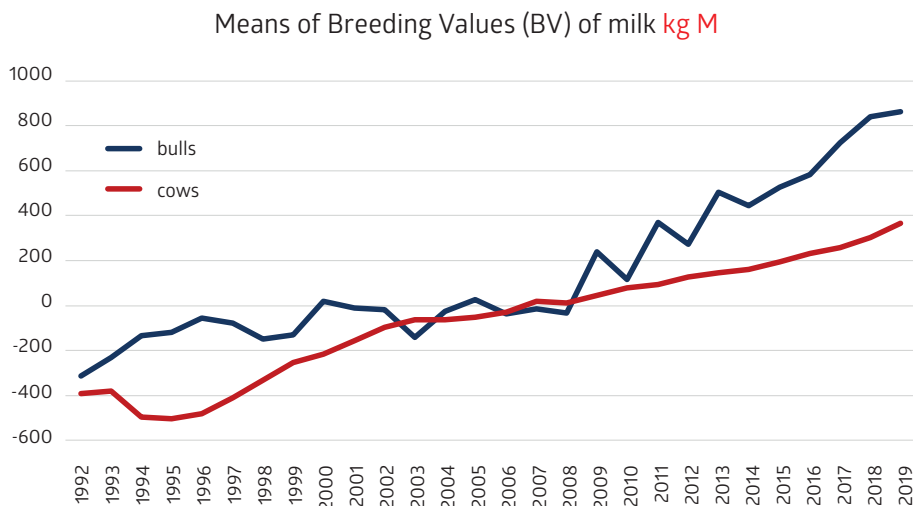
3.1 Milk fat and protein content of milk recorded cows



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 2020/2021

4.1 Best herds in milk production in the test year 2020/2021

Rank	Breeder	Farm	Records	M kg	F %	F kg	P %	P kg	F+P kg
1	ZEAS PUClice A.S.	BUKOVEC	784	13 257	3,84	509	3,30	438	947
2	VYJIDACEK RADOMIR	VYSEHORKY 5	42	13 679	3,62	496	3,15	431	927
3	ROLNICKA A.S. KRÁLIKŮ	PETROVICE	562	12 306	4,08	502	3,38	416	918
4	ZS OSTRETIN A.S.	OSTRETIN-NK	611	12 525	3,84	481	3,47	435	916
5	HOLUB MARTIN	MYSTICE	52	13 083	3,52	460	3,44	450	910
6	LUKA, A.S.	VYS.STUDNICE VKK	725	13 074	3,69	483	3,25	425	908
7	KOPECKÝ PAVEL	JIRETICE	125	12 408	4,02	499	3,28	407	906
8	AGRODAM HOREPNIK S.R.O.	HOREPNIK	412	13 220	3,61	477	3,23	427	904
9	AG SKORENICE A.S.	UJEZD	476	11 900	4,18	497	3,39	403	900
10	ZS VILEMOV, A.S.	UHELNA PRIBRAM I	1072	12 618	3,82	482	3,29	415	897
11	AGRAS BOHDALOV, A.S.	BOHDALOV VKK	692	12 641	3,75	474	3,34	422	896
12	ROZVODI CERNOV S.R.O.	CERNOV VKK	503	12 279	3,91	480	3,36	412	892
13	DZV NOVA, A.S.	PETROVICE VKK	626	12 367	3,88	480	3,31	410	890
14	ZEM,A.S. NOVÝ BYDŽOV	NEPOLISY MF	428	12 592	3,75	472	3,31	417	889
15	AGRO PODLEŠI, A.S.	CERV.JANOVICE, BAHNO	1193	12 453	3,70	461	3,40	423	884
16	ZOD LESNA	PERNA VKK	447	12 192	3,93	479	3,32	404	883
17	ZD CECHTICE	CECHTICE - HOLSTYN	588	12 208	3,81	465	3,41	416	881
18	ZS SLOVEC A.S.	SLOVEC	549	12 495	3,72	465	3,32	415	880
19	JILEK JAN ING.	HUNCICE 17	125	12 436	3,74	465	3,34	415	880
20	ZD KRASNÁ HORA A.S.	PETROVICE	566	12 582	3,64	458	3,33	420	878

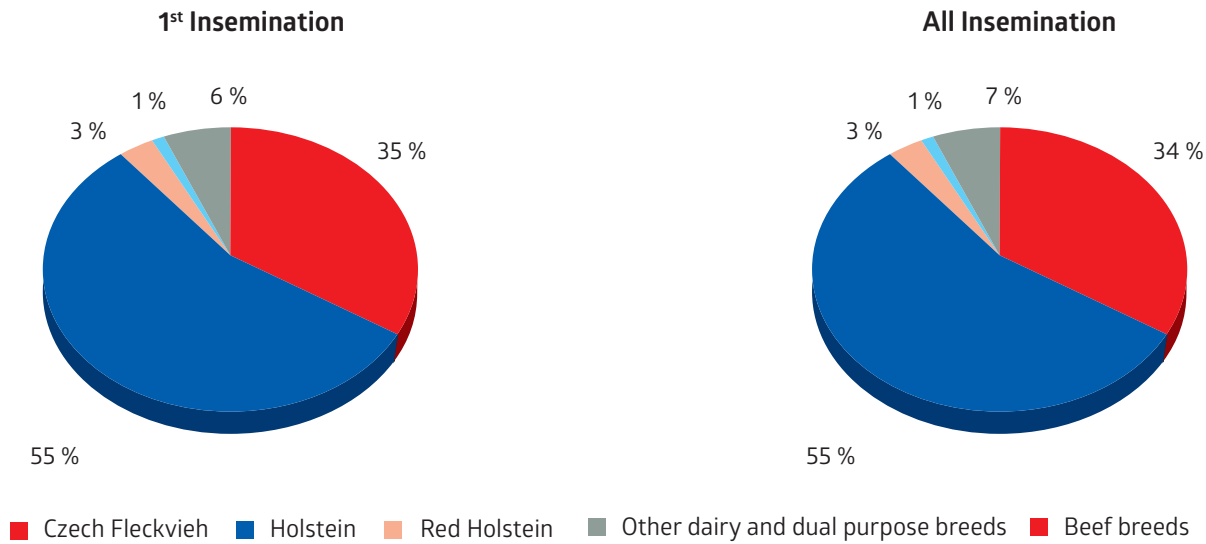
4.2 Breeding cows with the highest production per standardized lactation completed in the test year 2020/2021

Rank	Cow	Breeder	Sire	Lac	LD	M kg	F %	F kg	P %	P kg	F+P kg
1	324792-953	ZS OSTRETIN A.S.	REBEL	4	393	20 497	3,78	774	3,35	686	1460
2	688192-961	ZEM.DRUŽSTVO PETRIN	CABRIOLET	3	380	16 815	4,83	812	3,41	574	1386
3	373704-953	ZS OSTRETIN A.S.	OMANOMAN	3	352	20 909	3,40	710	3,21	671	1381
4	373720-953	ZS OSTRETIN A.S.	STYLESTAR	3	349	17 689	4,19	742	3,58	634	1376
5	649730-961	ZEM.DRUŽSTVO PETRIN	BIG IRON	3	468	15 347	5,28	811	3,53	542	1353
6	289566-981	DRUŽSTVO ZAGRA	PAVAROTTI	3	529	18 769	3,63	681	3,57	670	1351
7	445084-921	VOD ZDISLAVICE	SLAVISTA	2	328	18 326	3,90	715	3,47	635	1350
8	372388-921	ZD CECHTICE	CHEVROLET	4	287	20 065	3,55	712	3,17	636	1348
9	665285-961	AGROPODNIK KOSETICE	GALLON	3	318	17 070	4,55	776	3,32	567	1343
10	410107-921	AGRO JESENICE A.S.	LEVI	3	313	18 002	4,03	726	3,42	616	1342
11	514159-932	STATEK SOBETICE	MANIFOLD	3	390	15 211	5,32	809	3,50	533	1342
12	372266-952	ZS KRATONOHY A.S.	SALT	2	305	16 005	4,70	753	3,67	588	1341
13	371866-953	AG SKORENICE A.S.	EMERALD	3	317	17 571	4,32	759	3,30	579	1338
14	700387-961	AGRAS BOHDALOV, A.S.	URANUS	2	308	19 230	3,82	735	3,13	601	1336
15	289500-981	DRUŽSTVO ZAGRA	REDMAN	4	506	19 478	3,62	706	3,21	625	1331
16	427299-921	ZD CECHTICE	SUDAN	3	416	16 043	4,67	749	3,63	582	1331
17	308458-981	DRUŽSTVO ZAGRA	LAMBERT	2	342	18 476	3,88	717	3,30	609	1326
18	324310-981	1.HRADECKÁ ZEMED. A.S.	GALLON	3	357	17 935	4,38	785	2,98	535	1320
19	388183-921	ZS VILEMOV, A.S.	SUPERSTITION	4	378	17 834	4,03	718	3,36	600	1318
20	511460-932	AGROCHOV KASEJOVICE	LOSTEDEN	2	327	17 378	4,23	735	3,33	579	1314
21	424296-932	KLADRUBSKÁ A.S.	DOM	4	513	18 154	3,84	697	3,36	610	1307
22	324731-953	ZS OSTRETIN A.S.	FANATIC	3	338	15 454	4,61	713	3,84	594	1307
23	445175-921	VOD ZDISLAVICE	IFOP	2	400	18 261	3,78	690	3,37	615	1305
24	360591-953	AGRODRUŽST.SEBRANICE	UPGRADE	3	297	17 601	3,95	696	3,45	607	1303
25	261572-962	ZD JIRICE U MIROSLAVI	CLOWN	2	490	15 442	5,26	812	3,17	490	1302
26	390227-921	AGRO PODLEŠI, A.S.	MANIFOLD	4	378	19 163	3,52	674	3,27	627	1301
27	427244-921	ZD CECHTICE	SNOOPY	3	351	17 784	3,86	687	3,44	612	1299
28	610710-961	ZERAS A.S.	ICONE	3	537	18 930	3,69	699	3,15	597	1296

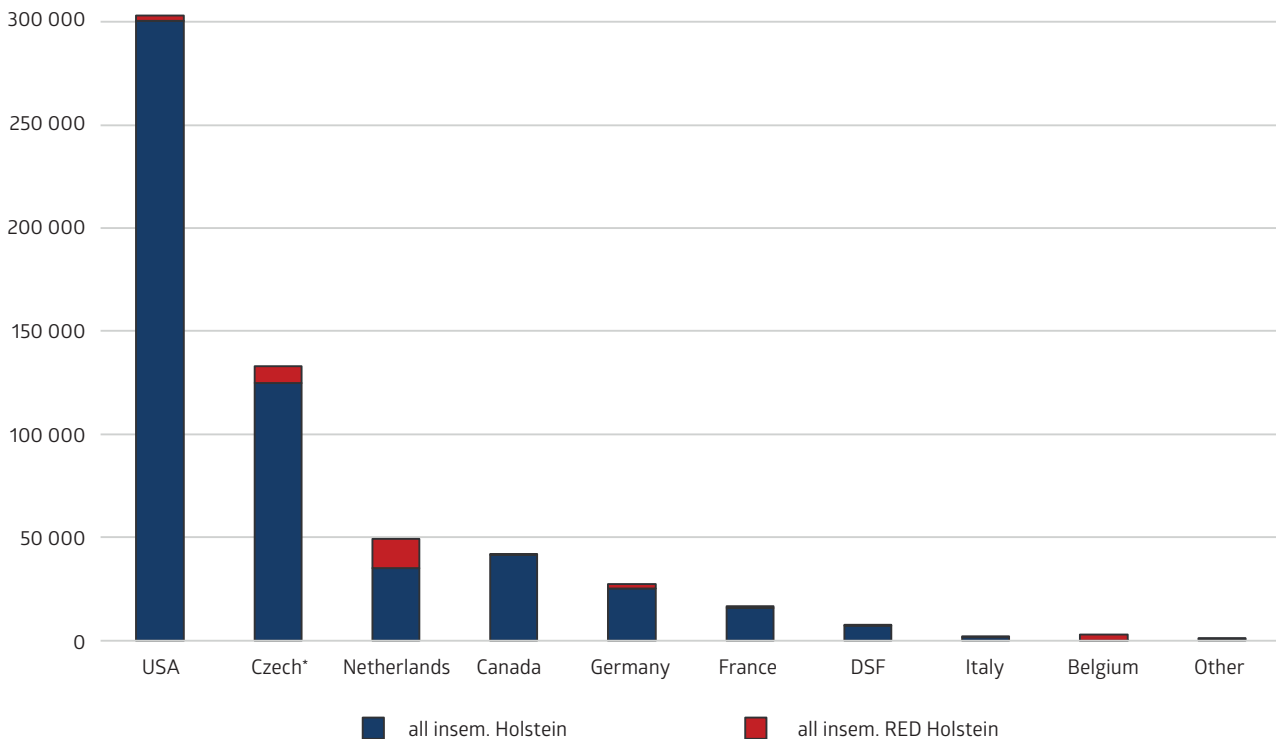
Rank	Cow	Breeder	Sire	Lac	LD	M kg	F %	F kg	P %	P kg	F+P kg
29	687805-961	ROZVODI CERNOV S.R.O.	MONTROSS	2	450	17 899	4,04	724	3,20	572	1296
30	445293-921	VOD ZDISLAVICE	AMPLIFY	2	330	18 442	3,71	685	3,30	609	1294
31	402080-953	ZS OSTRETIN A.S.	VH GRAFIT	3	299	16 152	4,21	680	3,80	613	1293
32	242729-972	AGROJECMINEK S.R.O.	CABRIOLET	3	348	16 121	4,38	706	3,64	587	1293
33	250384-962	ZD JIRICE U MIROSLAVI	VITESSE	3	311	14 916	5,13	765	3,53	526	1291
34	445003-921	VOD ZDISLAVICE	SUDAN	2	332	17 391	3,86	672	3,54	616	1288
35	539054-932	ZEAS PUCLICE A.S.	ALTAEMBASSY	2	307	17 788	4,08	725	3,16	562	1287
36	414235-921	STATEK NOVAK S.R.O.	LOSTEDEN	3	534	17 691	3,95	699	3,31	586	1285
37	301794-952	ROLNICKA A.S. KRALIKY	PATENT	4	314	17 524	3,82	669	3,51	615	1284
38	500731-921	I.ZAS CHORUSICE	MISSION	1	431	18 232	3,54	646	3,49	637	1283
39	514314-932	STATEK SOBETICE	MANIFOLD	2	354	16 639	4,62	768	3,10	515	1283
40	351594-953	AG SKORENICE A.S.	DURABLE	4	311	16 956	4,45	755	3,11	527	1282
41	606071-961	ZS VILEMOV, A.S.	ALTAIOTA	4	487	17 893	3,99	714	3,17	567	1281
42	330748-952	KARSIT AGRO, A.S.	ALTAGREATEST	3	368	15 013	4,84	726	3,70	555	1281
43	512157-932	ZEAS PUCLICE A.S.	DAY	2	592	19 135	3,50	669	3,18	609	1278
44	467196-921	VOD ZDISLAVICE	AMPLIFY	2	484	17 298	3,99	691	3,38	584	1275
45	392253-953	ZD SLOUPNICE	SUPERSTYLE	2	438	18 210	3,81	693	3,20	582	1275
46	434027-921	I.ZAS CHORUSICE	SCOLARI	3	336	15 999	4,36	698	3,61	577	1275
47	414215-921	STATEK NOVAK S.R.O.	LOSTEDEN	3	510	16 580	4,29	711	3,40	564	1275
48	697907-931	ZEVEA, A.S.	GENICOOPER	2	327	13 542	5,67	768	3,74	507	1275
49	449410-932	ZEAS PUCLICE A.S.	SEQUOIA	4	312	17 486	4,16	728	3,12	546	1274
50	373555-953	ZS OSTRETIN A.S.	SUREBOY	3	334	16 436	4,22	694	3,52	579	1273
51	606268-961	ZS VILEMOV, A.S.	MAN O MAN2	4	577	17 142	4,07	697	3,36	576	1273
52	342734-952	ROLNICKA A.S. KRALIKY	BENNET	3	292	17 147	4,09	702	3,33	571	1273
53	614684-961	ZEOS KAMENICE S.R.O.	EDELWEISS	3	353	14 974	4,84	724	3,67	549	1273
54	374563-953	ZIVA A.S.	LOSTEDEN	2	607	17 306	4,02	696	3,33	576	1272
55	289561-981	DRUZSTVO ZAGRA	YOURI	4	381	15 109	4,64	701	3,78	571	1272
56	362581-952	ROLNICKA A.S. KRALIKY	ALTACORNELL	2	352	17 010	4,28	728	3,20	544	1272
57	686372-961	ZD ROSTYN V HODICICH	MERIDIAN	3	318	19 530	3,57	697	2,94	574	1271
58	373607-953	ZS OSTRETIN A.S.	MAGUA	3	354	18 663	3,55	662	3,26	608	1270
59	482183-932	ZEAS PUCLICE A.S.	MODESTO	3	300	17 053	4,01	683	3,43	585	1268
60	415771-921	VOD ZDISLAVICE	GIBSONS	3	306	16 917	4,00	677	3,48	589	1266
61	427440-921	ZD CECHTICE	SUDAN	2	688	18 810	3,44	648	3,28	617	1265
62	386202-952	ROLNICKA A.S. KRALIKY	BOSS	2	357	17 454	3,80	663	3,45	602	1265
63	402267-953	ZS OSTRETIN A.S.	UNO DANCE	2	468	19 010	3,41	648	3,24	615	1263
64	308369-981	DRUZSTVO ZAGRA	REDMAN	3	634	14 581	4,72	688	3,94	575	1263
65	401534-921	I.ZAS CHORUSICE	SHAMROCK	4	380	17 856	3,72	664	3,35	598	1262
66	374954-953	ZD SLOUPNICE	ALTAREQUEST	3	543	18 604	3,61	672	3,17	590	1262
67	363055-952	ZS KRATONOHY A.S.	BENNET	3	313	15 351	4,61	707	3,62	555	1262
68	402381-953	ZS OSTRETIN A.S.	ULSAN	2	378	14 782	4,79	708	3,75	554	1262
69	371788-953	AG SKORENICE A.S.	END-STORY	4	372	14 692	4,97	730	3,62	532	1262
70	313962-971	AGRAS ZELATOVICE A.S.	IMAGE	2	362	18 376	3,82	702	3,04	559	1261
71	653751-961	ZEM.DRUZSTVO PETRIN	STARLIGHT	2	370	15 963	4,45	711	3,45	550	1261
72	438998-932	STATEK SOBETICE	SUDAN	4	302	17 384	4,09	711	3,16	549	1260
73	344570-921	ZS VILEMOV, A.S.	DOBERMAN	5	337	18 516	3,51	650	3,28	608	1258
74	373628-953	ZS OSTRETIN A.S.	SUPERSHOT	4	385	17 189	3,87	665	3,45	593	1258
75	367017-952	AGRO CHOMUTICE A.S.	JABIR	2	351	15 776	4,70	742	3,27	516	1258
76	274172-981	NETIS, A.S.	TANGO	4	462	15 182	5,05	766	3,24	492	1258
77	687276-961	AGROPODNIK KOSETICE	MONTEREY	2	325	16 694	4,29	716	3,24	541	1257
78	688522-961	ZEM.DRUZSTVO PETRIN	JABIR	2	398	14 607	5,11	747	3,49	510	1257
79	482017-932	ZEAS PUCLICE A.S.	MASSEY	3	407	18 327	3,58	657	3,27	599	1256
80	202034-951	ZOD BRNISTE	CARLO	4	317	18 049	3,87	698	3,09	558	1256
81	396520-921	DZV NOVA, A.S.	SHAMROCK	5	359	17 510	3,99	699	3,18	557	1256
82	301754-952	ROLNICKA A.S. KRALIKY	NUBRIT	4	406	17 044	4,23	721	3,14	535	1256
83	727156-961	ZS VILEMOV, A.S.	FACEBOOK	2	431	17 615	3,93	692	3,20	563	1255
84	621100-931	AGRODRUZSTVO ZAHORI	MOGUL	3	339	16 875	4,20	709	3,24	546	1255
85	342785-952	ROLNICKA A.S. KRALIKY	MANIFOLD	2	309	15 915	4,48	713	3,41	542	1255
86	610457-961	ZERAS A.S.	ICONE	3	358	17 567	3,71	652	3,42	601	1253
87	371723-953	AG SKORENICE A.S.	SENECA	3	406	16 355	4,29	701	3,38	552	1253
88	677878-931	AGRODRUZSTVO ZAHORI	SUPERSIRE	3	311	17 369	3,66	636	3,54	615	1251
89	469633-932	ZEM.SPOL.KOMORNO A.S.	CHEVROLET	4	345	16 508	4,04	667	3,54	584	1251
90	348311-952	ZS KRATONOHY A.S.	FB 1086	3	304	15 525	4,50	699	3,56	552	1251

5. Artificial insemination in 2021

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) 2021



* 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	835	267 265	94,5	552 819	94,6	2,07
Young bulls	413	152 057	56,9	312 413	56,5	2,05
at CZ AI stations	91	39 220		93 028		
Proven bulls	422	115 208	43,1	240 406	43,5	2,09
at CZ AI stations	82	11 935		31 925		
b) R&W	126	15 493	5,5	31 670	5,4	2,04
Young bulls	77	13 382	86,4	27 024	85,3	2,02
at CZ AI stations	10	3 282		7 321		
Proven bulls	49	2 111	13,6	4 646	14,7	2,20
at CZ AI stations	5	474		927		
Total B&W + R&W	961	282 758	100,0	584 489	100,0	2,07
Young bulls	490	165 439	58,5	339 437	58,1	2,05
at CZ AI stations	101	42 502		100 349		
Proven bulls	471	117 319	41,5	245 052	41,9	2,09
at CZ AI stations	87	12 409		32 852		

5.4 Breeding bulls with the highest number of 1st insemination

Name	1st ins.	All ins.	SIH	gSIH	Sire	Sire of Dam
SHAWARMA	5 845	10 714		128,4	Milktime	Jedi
BANNER	5 612	10 404		129,5	Crimson	Blowtorch
HOTLINE	5 044	10 148	130,6		Altahotrod	Mogul
ABS CRIMSON	3 788	6 826	129,6		Spectre	Rubicon
MITCHELL	3 729	6 891	133,5		Mitchell	Bombero
MORANT	3 723	6 666		121,9	Altamontoya	Modesty
GRIFF	3 633	7 208	138,5		Silver	Supersire
VENITO	3 377	6 546		130,0	Challenger	Jedi
MILLINGTON	3 217	6 091	135,8		Miles	Shamrock
BLACKFOOT	3 085	7 318		145,5	Semino	Gatedancer
LUKAKU	2 965	7 096		129,3	Eldorado	Rubicon
BRUNO	2 916	6 606		148,0	Semino	Gatedancer
ABS ACHIEVER	2 836	5 095	128,6		Yoder	Altaembassy
ALTATOPSHOT	2 796	5 147	133,1		Supershot	Altaembassy
NADRAC	2 715	4 724		133,3	Kerrigan	Supershot
ALTAPLINKO	2 590	4 496		135,6	Marius	Altatopshot
BADR	2 383	5 184		128,2	Hotspot P	Missouri
LONDON	2 349	5 845	126,5		Montross	Grafeeti
ABS MEDLEY	2 276	4 385	133,4		Yoder	Balisto
CAELUM	2 256	5 506	136,5		Supershot	Mogul
DUKE	2 229	4 380	137,9		Montross	Supersire
GYMNAST	2 215	4 403	143,3		Doorsopen	Jabir
MARTINI	2 022	3 936		136,4	Milktime	Frazzled
HALFTIME	1 954	3 796		121,4	Gamechanger	Achiever
ROWDY	1 891	3 537	121,9		Josuper	Mogul
APACHE	1 856	4 400		140,4	Vancouver	Rubicon
RESOLVE	1 848	3 464	123,8		Jedi	Day
DUKO	1 799	3 631		139,4	Charl	Altatopshot
MARIUS	1 719	3 634	131,4		Jedi	Bombero
BILLY	1 713	3 403	125,8		Achiever	Rubicon
AXXON	1 671	3 698	130,3		Espresso	Nominee
SINUS	1 606	3 440	137,3		Silver	Bedford
CHARMING	1 536	3 252		131,2	Kenobi	Sound System
CRISIS	1 483	3 567		131,6	Sound System	Josuper
NIGHTHAWK	1 467	2 442	132,2		Altaspring	Numero Uno
COPYCAT	1 436	2 889	134,7		Jedi	Jacey
CONCERT	1 431	3 444	134,7		Crescendo	G Force
ALTAZAREK	1 431	2 814	132,2		Altatopshot	Rubicon
BENNIE	1 428	2 173		134,6	Timberlake	Altarobson
BALATON	1 305	2 909		142,1	Semino	Mardi Gras
AMADEUS	1 295	3 677	129,6		Ultimus	Silver



BULLS

At the first
insemination:

Young bulls **58,5 %**

Proven bulls **41,5 %**

At all
inseminations:

Young bulls **58,1 %**

Proven bulls **41,9 %**



Name	1st ins.	All ins.	SIH	gSIH	Sire	Sire of Dam
MAXIMO	1 290	3 490		127,3	Imax	Jedi
KALEIDO	1 264	2 267		130,4	Hotspot P	Battlecry
FRAZZLED	1 247	2 307	122,4		Josuper	Shotglass
ALTAAMULET	1 236	2 344	128,5		Josuper	Mogul
NOMINATOR RED	1 206	2 405		125,3	Jacuzzi Red	Finder
LANGLEY	1 203	2 336	125,5		Hotline	Delta
ROCKETFIRE	1 186	2 264	120,6		Josuper	Sterling
HONEYCOMB	1 150	2 404		126,2	Altazarek	Prophecy
CALVADOS P	1 144	2 435		141,8	Zologram P	Mardi Gras
COPYRIGHT	1 140	2 372		131,8	Imax	Jedi
HURION ISY	1 121	2 408	125,0		Sudan	Planet
CLOWN	1 118	2 385	138,1		Mogul	Lavaman
PHANTOM	1 115	2 351	137,4		Kingpin	Supersire
U MAGISTAR	1 098	2 534	132,9		Bombero	McCutchen
BONES	1 074	2 166	129,9		Josuper	Shan
DYNAMO	1 059	1 746	132,6		Rubicon	Robust
BUILDER P	1 052	1 960		137,0	Esperanto	Powerball P
MAURO RED	1 045	2 007		119,2	Goal	Bram
BRUTUS	1 045	2 762		142,2	Semino	Gatedancer
SOLUTION	1 029	2 070	130,5		Goliath	Laudan
DOCTOR	1 029	1 868	125,8		Helix	Yoder
FOXCATCHER	1 020	2 214		125,6	Panther	Foxsong
SPECTRE	1 018	1 989	130,9		Yoder	Supersire
ALTAMILESTONE	1 018	2 273	123,3		Jedi	Silver
RENEGADE	1 013	1 790	137,2		Jaltaoak	Millington
BONAPARTE	1 009	2 401		143,5	Semino	Polledstar P
BOOKMAKER P RED	1 001	1 767		130,8	Match	Booking Red
JACUZZI RED	997	1 952	129,5		Livingston	Incentive
COPIOUS	986	1 949	122,3		Bombero	Morgan
CONTRA	979	2 192		120,2	Charl	Modesty
MOON	966	1 719		135,4	Marius	Helix
KODIAK	965	1 495		136,5	Soundcloud	Windmill
ENTITY	959	1 327	129,3		Matters	Rubicon
URANUS	953	2 015	134,6		Montross	McCutchen
NORWAY	943	1 787		127,0	Federal	Altahotrod
RIDGELINE	933	1 734		123,5	Topnotch	Delta
HAWAI RC	921	1 620	125,4		Apprentice	Silver
ALTALUCHE	913	1 739		133,6	Marius	Jedi
OXTERRIL	911	1 868		127,8	Surgeon	Hefalo Isy
SPEEDUP P	905	1 671		129,3	Hotspot P	Zipit P
EVEREST	903	1 655	123,1		Yoder	Morgan
STOIC	884	1 755	128,4		Epic	Trigger
LOUXOR	884	1 806	121,4		Iznogoud	E.T. Shottle
APPRENTICE	878	1 940	121,1		Kingboy	Supersire
ESBIT	872	2 023		124,5	Leonardo	Final
FOXHOLE	871	1 701	133,6		Montross	Shamrock
ZUMA RED	860	1 742		130,4	Salvatore RC	Supershot
MONTROSS	855	1 695	125,9		Mogul	Bolton
KAMERAAD RED	849	1 577		127,0	Gywer	Styx Red
ACHAT	841	2 067		141,6	Semino	Board
ARGONAUT	829	2 101		134,2	Vancouver	Boss
RORY	818	1 557	143,6		Gatedancer	Rubicon
SUPER C	817	1 992	119,3		Supershot	Mogul
JOYSTAR	805	1 423	128,0		Shotglass	Shamrock
VINEYARD	798	1 688		121,5	Magister	Hero
GROOT	796	1 519		129,7	Glitz	Frazzled
EVEREST	795	1 870	118,4		Yoder	Massey
ARWEN	783	1 945		140,0	Gymnast	Supershot
JOSUPER	777	1 404	122,7		Supersire	Beacon
ALPHABET	777	1 502	131,9		Helix	Yoder
ALTAWARRANT	776	1 978		125,3	Guarantee	Jedi
BAYLOR	769	1 478	117,6		Delta	Bob
UPSWING	761	1 446		135,6	Pursuit	Duke
HOTLIFE PP	755	1 684		123,5	Hotspot P	Hologram
REDROCK	751	1 191	121,3		Jedi	Kingboy
ALTANERVE	741	1 185		128,9	Frazzled	Montross
AMPLUS	727	1 812	123,1		Lylas	Monterey
ALTAACER	726	1 505		128,1	Achiever	Delta
CARTER	720	1 412	129,5		Kingpin	Headliner
CALVON	715	1 580	125,9		Bombero	Morgan
VANCOUVER	712	1 697	132,6		Board	Balisto
AUDI	705	1 509		138,8	Vancouver	Rubicon
FERRY	704	1 254		135,6	Merrimac	Frazzled
COLLUDE	701	1 809	122,8		Balisto	Robust
LAUTRUST	691	1 326	120,1		Sudan	Man O Man
ALTATIKI	690	1 045		138,0	Milktime	Altarobson
OPROD	688	1 344		133,8	Mercutio	Popeye
FUEL	687	1 297	135,6		Duke	Kingboy

Name	1st ins.	All ins.	SIH	gSIH	Sire	Sire of Dam
PATCH	680	1 396		132,5	Timberlake	Burley
FERM	673	1 420		137,2	Imax	Jedi
NEDREBO	670	1 502	123,9		Raiden	Supershot
LAUNCH PP	668	1 293		125,9	Jopper	Handy P
MANSFELD	667	1 542	128,7		Supershot	McCutchen
BARNEY	667	1 996		130,9	Altahotjob	Bandares
BON JOVI	663	1 743		144,9	Semino	Gatedancer
HELIX	662	1 203	134,1		Silver	Supersire
ALTAGOPRO	662	1 201	140,5		Helix	Montross
TOPSY	644	1 312	133,5		Bookem	Watson
FYI	644	1 309	125,3		Frazzled	Balisto
BAXTER	642	1 735	124,2		Burley	Troy
POLLEDSTAR	640	1 389	118,8		Altaiota	Kott
BARDO	630	1 271	125,1		Flame	Mogul
PILEDRIIVER	628	1 331	128,2		Troy	Supersire
TRY ME	627	1 193		126,3	Resolve	Profit
RANDALL	621	1 183	137,1		Loptimum	Numero Uno
INDIGENOUS	621	1 099		127,4	Fabulous	Modesty
ZEPPELIN	616	1 670	111,8		Ferdinand	Stoic
ARTUR	610	1 361		137,8	Vancouver	Rubicon
AVAR	603	1 401		142,1	Vancouver	Jedi
SABER	600	1 208	129,0		Helix	Damaris
NIPPON P	600	1 174		126,6	Hotspot	Bernell
MASTROLILI	595	1 224	132,5		Kerrigan	Balisto
ALTAIZZA	592	1 070		126,5	Altahotjob	Jedi
CONAN	588	1 253	140,2		Commander	Sterngold
ALTARONDON	587	1 278	128,6		Rowdy	Midnight
BANKSY	584	1 006		135,7	Marius	Imax
DEFENSE	578	908		131,7	Achiever	Damaris
FENWAY	576	1 014		130,2	Achiever	Profit
AXEL	569	1 285		140,5	Gymnast	Yoder
SHATTERHAND	548	1 320		126,2	Granite	Silver
CAMARO	548	961		133,4	Crimson	Frazzled
MAYFLOWER	543	997	125,8		Snowman	Socrates
PRINCE	543	895		135,3	Yoda	Yoder
HARLEY	540	1 378	124,6		Monterey	Mogul
ROLAN	540	1 002	124,7		Modesty	Bombero
ATTILA	537	1 454		137,4	Eldorado	Mardi Gras
BELLWETHER	533	1 248		133,9	Altatopshot	Silver
LIGERO	532	1 035	125,9		Yoder	Supersire
BARKLEY	531	1 146	129,3		Superman	Tango
GALORE	530	1 009	123,0		Silver	Camaro
LEGACY	522	950	121,4		Frazzled	Yoder
MANAVA	516	1 030	117,7		Anamur	Balisto
ASTON	512	1 294	128,6		Josuper	Maurice
ETESIAN	501	978	124,0		Supershot	McCutchen
AUDIBLE	498	1 452	120,4		Modesty	Bombero
ALTAGILMORE	498	1 502	124,2		Altatopshot	Yoder
APOLLO	498	1 149		132,5	Imax	Battlecry
DEFIANCE	496	894	126,5		Midgard	Supersire
AMUSE	489	1 210		129,3	Frontline	Inductor
JAZZ	488	803		133,9	Kenobi	Hotline
UGANDA	487	1 920	125,2		Supershot	Supersire
AVALINO	487	891	124,1		Frazzled	Yoder
LIONEL	485	821	130,9		Frazzled	Montross
PASSAT	482	904	121,5		Ponder	Mogul
MILKTIME	482	918	128,3		Duke	Supershot
LAURIN	469	1 105	113,2		Jardin	Laudan
RUBICON	469	579	138,8		Mogul	Robust
BRIDGE RED P	469	1 006		130,2	Santorius	Alchemist
WOODY	455	852		121,6	Ranger	Jetset
BORD RED	455	1 250		132,8	Solitaire P	Pace Red
TABASCO	453	994	131,9		Jacey	Bookem
TWITCH	443	565	127,2		Helix	Delta
TORONTO	442	776	133,7		Profit	Altaoak
VINCENT	442	816		130,8	Magictouch	Rubicon
NOBLE	440	718	124,8		Altaspring	Numero Uno
TOURNAMENT	440	992		128,1	Frazzled	Troy
DIXON	436	751	120,3		Altaoak	Robust
CAMDEN	434	869		129,4	Altarobert	Jedi
BERRY	425	1 020		145,0	Semino	Board
JAWLINE PP RED	424	771		117,4	Mingo	Laurent
MARISTOCRAT	424	927		120,4	Aristocrat	Verona
HARPER	423	767	143,1		Balisto	Epic
IMAX	421	829	124,7		Altaspring	Mogul
FAST RED	421	722	118,6		Salvatore RC	Delta
MERCUTIO	419	935	131,6		Altahotrod	Gainsbarre





REPRODUCTION 2021

397
intercalving interval

24/09
age of first calving

PREGNANCY The first insemination

Total

38,7 % cows

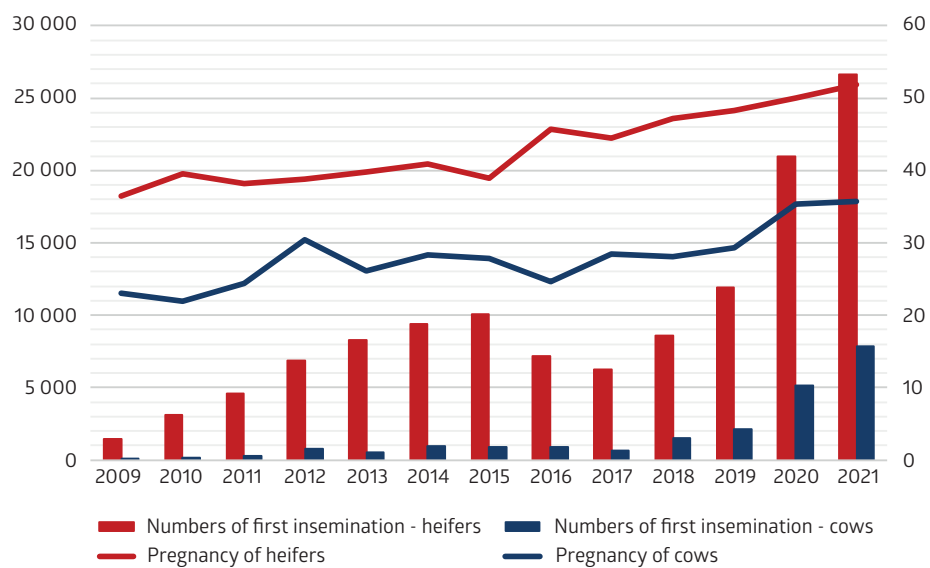
59,5 % heifers

Sexed semen

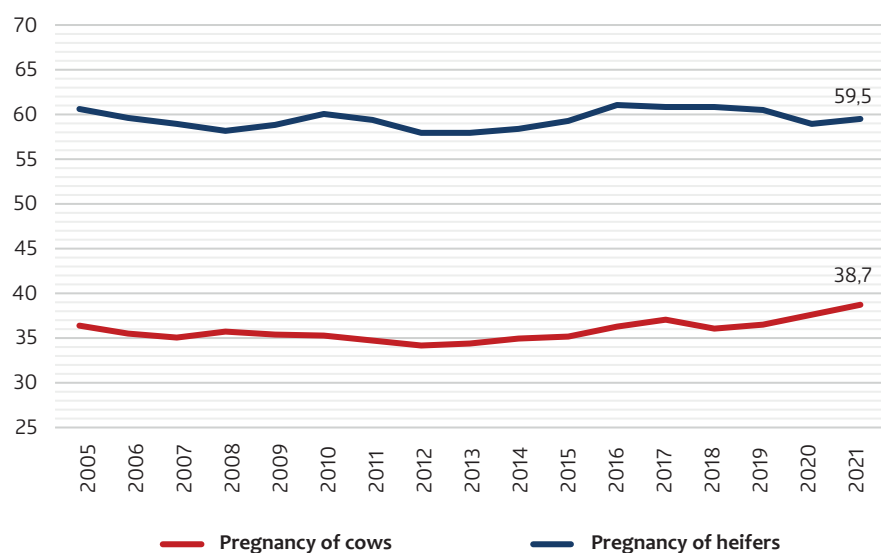
35,7 % cows

51,8 % heifers

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

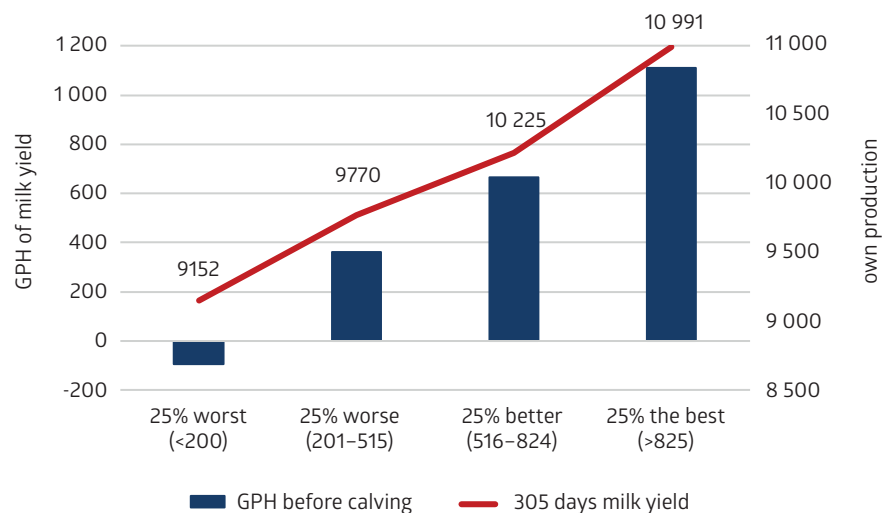


5.6 Conception of the first insemination



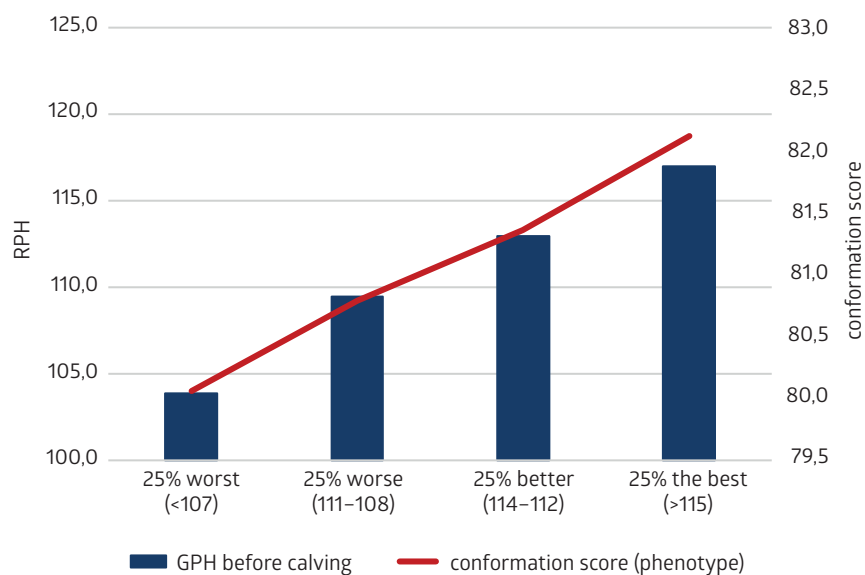
6. Comparison of genomic Breeding Values and phenotype - females genotyping (project FIT cow)

6.1 Comparison of GPH and milk production (305 days)



n = 6648
Calculation of GPH in April

6.2 Comparison of GPH and conformation



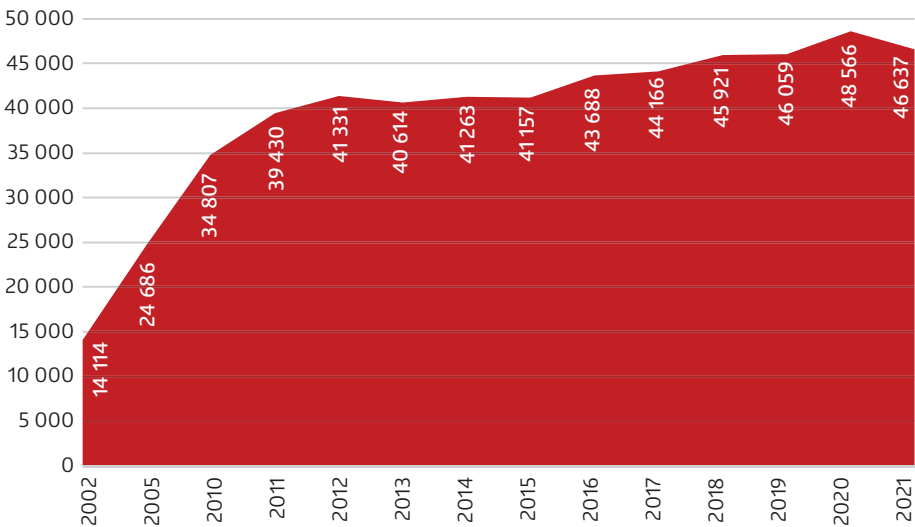
n = 8720
Calculation of GPH in April





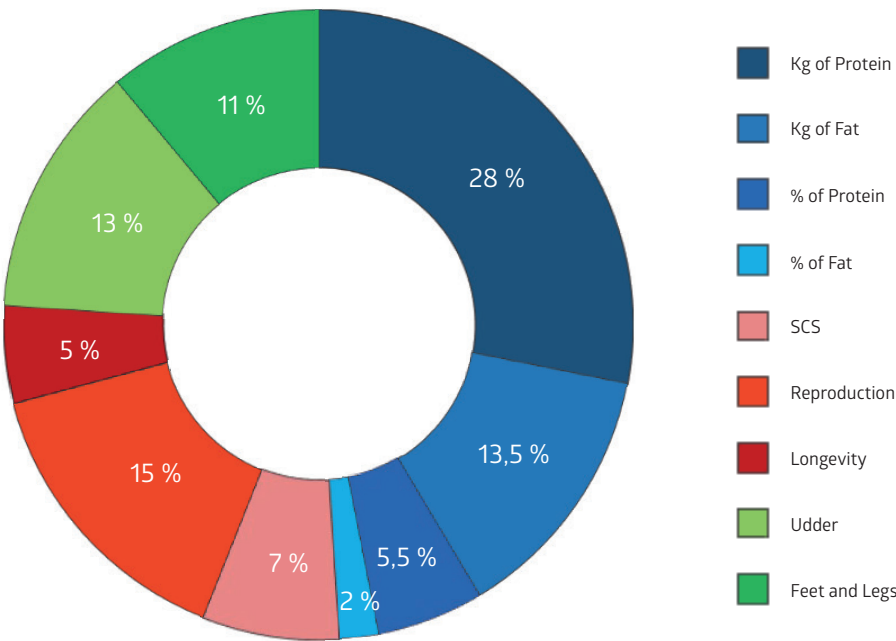
7. Type evaluation

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	Sire	Breeder	Lac.	Milk Kg	F %	F Kg	P %	P Kg
1	3562-953	EROTIC	OSEVA A.S. CHRUDIM	12	158 942	3,41	4987	3,25	4760
2	56354-246	BELLWOOD	JINDROVA ZEMED.FARMA	13	157 989	4,26	5947	3,09	4302
3	101648-205	SID	AGRODRUZSTVO ZAHORI	11	156 587	3,44	4575	2,90	3857
4	339905-931	O MAN	AGRODRUZSTVO ZAHORI	10	151 925	3,10	4331	3,30	4611
5	44130-265	LANGS	AGRODRUZSTVO ZAHORI	12	151 835	3,58	4769	3,02	4025
6	296316-961	MASCOL	ZERAS A.S.	11	150 122	3,33	4668	3,20	4487
7	44207-328	MASTER	CZF MILLER	8	149 335	3,34	4040	3,11	3754
8	137153-921	GORBY	KOPECKY PAVEL	8	148 427	3,13	3748	3,08	3685
9	187257-961	CONKER	AGRAS BOHDALOV A.S.	9	148 170	3,50	4404	3,04	3815
10	161329-981	ECONOM	DRUZSTVO ZAGRA	11	144 596	2,94	4061	2,82	3894
11	191151-932	A-A WIN 395	OD SOBESICE	9	143 631	3,67	3998	3,18	3460
12	63536-614	CALVIN	ZERAS A.S.	10	143 455	3,42	4510	3,00	3958
13	146716-952	ISIDORUS	ROLNICKA A.S. KRALIKY	11	143 452	3,56	4720	2,91	3854
14	404633-961	ALTON	ZDV NOVOVESELSKO	9	142 904	3,23	4210	2,89	3764
15	260274-961	O MAN	ZP OSTROV A.S.	11	142 892	3,48	4881	3,35	4698
16	63505-614	CALVIN	ZERAS A.S.	9	142 576	3,42	4473	3,19	4176
17	136637-614	GARRETT	ZDV NOVOVESELSKO	11	142 560	3,27	4108	2,96	3727
18	222923-953	STAME	OSEVA A.S. CHRUDIM	10	139 429	3,73	4858	3,16	4121
19	134947-204	ENEM	AGROPODNIK KOSETICE	14	138 707	4,59	5772	3,32	4171
20	124585-952	MALWOOD	ROLNICKA A.S. KRALIKY	10	138 598	3,72	4404	3,17	3750
21	18348-203	CUBBY	CRF, SPOL. S.R.O.	10	138 578	3,32	3730	3,14	3529
22	117324-204	BURMEISTER	AGRODAM HOREPNIK S.R.O.	12	138 558	3,32	3926	3,00	3551
23	76340-264	MR MOON	AGROPODNIK KOSETICE	12	137 645	3,55	4361	3,03	3727
24	45031-961	BOMBAY	ROZVODI CERNOV S.R.O.	9	137 226	3,36	4106	3,29	4017
25	111713-204	JALAPENO	AGROPODNIK KOSETICE	12	137 069				
26	119864-505	MANAT	ZD DOLANY	10	136 984	3,44	4185	3,23	3933
27	118846-501	MASCOTTE	POLABI VYSOKA A.S.	12	136 760	4,04	4978	3,35	4129
28	163186-971	KNOT	MESPOL MEDLOV, A.S.	9	136 741	3,15	3761	2,97	3544
29	100298-110	CIPSEK	CZF MILLER	7	136 648	2,93	2946	2,88	2897
30	103540-505	INDER	ZD DOLANY	12	136 476	3,47	4579	3,23	4260
31	229613-932	AIRRAID	MECLOVSKA ZEMEDEL A.S.	10	135 196	4,05	4767	3,24	3818
32	81707-621		VOS ZEMEDEL CU A.S.	11	135 045	3,29	4110	2,93	3658
33	120880-505	MANAT	ZD DOLANY	11	134 740	3,65	4584	3,20	4028
34	37299-645	JESTHER	SVIZELA JOSEF	13	134 303	3,65	4608	3,27	4128
35	399215-961	GUARDIAN	AGROPODNIK KOSETICE	9	134 069	3,53	4342	2,87	3523
36	101482-105	K-MAN	PIAS SUCHDOL, A.S.	11	133 889	3,33	3878	3,01	3504
37	163129-981	FLIP	ZD MORASICE	10	133 497	3,48	4211	3,07	3717
38	267499-961	LYNCH	AGRA BRTNICE, A.S.	9	133 134	3,53	4040	3,06	3503
39	148360-972	TOYSTORY	ZEM.AKC.SPOL.NIVNICE	10	133 102	3,11	3674	3,06	3618
40	452810-961	KRAMER	AGRAS BOHDALOV A.S.	7	133 091	3,31	3741	2,93	3310
41	271848-932	TERRAY	ALIMEX NEZVESTICE A.S.	10	132 440	3,42	3922	3,03	3471
42	8396-961	DANE	AGRAS BOHDALOV A.S.	9	132 158	4,09	4730	3,15	3645
43	260394-961	POTTER	SELEKTA PACOV A.S.	10	131 906	3,19	3741	3,12	3665
44	129810-972	POTTER	ZEM.AKC.SPOL.NIVNICE	10	131 587	3,62	4303	2,90	3454
45	123128-972	VIRGAS	AGROJECMINEK S.R.O.	10	131 336	3,62	4054	3,04	3409
46	139665-972	ECONOM	AGROJECMINEK S.R.O.	8	131 336	3,41	3901	3,02	3460
47	153391-921	CONCORD	AGRODR. NACERADEC	8	131 066	3,56	3654	3,15	3232
48	169619-972	FLORYN	ZEM.AKC.SPOL.NIVNICE	9	130 884	3,90	4494	3,27	3768
49	143503-614	ROSCOE	ZDV NOVOVESELSKO	10	130 260	3,04	3805	2,91	3645
50	217275-953	TERRAY	HANACKA ZS JEVICKO	10	130 225	3,22	3669	3,05	3471

Rank	Cow	Sire	Breeder	Lac.	Milk Kg	F %	F Kg	P %	P Kg
51	101857-971	CROCODILE	AGRAS ZELATOVICE A.S.	9	129 619	3,70	3649	3,06	3024
52	173-921	JESTHER	ZD KRASNA HORA A.S.	10	129 471	3,59	4125	3,02	3475
53	118041-101	JESTHER	KOPECKY PAVEL	7	129 442	4,24	4651	3,32	3643
54	125433-205	BOND	AGRODRUZSTVO ZAHORI	8	129 287	3,51	3900	2,87	3186
55	156161-972	KONZUL	AGROJECMINEK S.R.O.	7	128 570	4,26	4260	3,18	3180
56	5944-610		ZD SEMIKOVICE	14	128 234	4,55	5387	3,45	4089
57	174252-921	CHARGE	ZD CECHTICE	10	127 928	3,09	3859	3,04	3794
58	63884-614	EILAND	ZERAS A.S.	9	127 907	3,52	4273	3,16	3841
59	192324-921	DARAMIS	ZS KOSOVA HORA A.S.	11	127 794	3,57	4136	3,29	3817
60	467123-961	SUPERSTITION	ZERAS A.S.	7	127 711	3,29	3631	2,99	3294
61	254042-953	KIRKLAND	ZEVAS VRACLAV A.S.	9	127 671	3,25	3763	3,04	3523
62	217186-932	JESTO	MECLOVSKA ZEMEDEL A.S.	10	127 508	3,86	4322	3,05	3411
63	26480-952	MALWOOD	ZD VSESTARY	11	127 480	3,74	4182	3,30	3694
64	185970-981	FLIP	DRUZSTVO ZAGRA	9	127 302	3,54	3509	3,16	3135
65	76759-264	LATON	ROZVODI CERNOV S.R.O.	10	127 235	3,78	4427	3,31	3869
66	66210-161	BATMAN	VOD ZDISLAVICE	12	127 201	3,86	4647	3,29	3969
67	378550-961	JAKE	ZD DUSEJOV, DRUZSTVO	9	127 134	3,51	3681	3,01	3159
68	132281-502	BILANZ	DVPM SLAVIKOV	11	127 056	3,07	3401	3,04	3371
69	113671-505	IKARUS	ZD DOLANY	10	126 855	3,40	3697	2,97	3236
70	195700-921	MASCOL	ZOS SESTAJOVICE A.S.	11	126 646	3,34	3648	3,27	3570
71	148259-972	POTTER	ZEM.AKC.SPOL.NIVNICE	10	126 422	3,70	4066	3,12	3425
72	248582-921	ASHLAR	AGRODR. NACERADEC	10	126 212	4,18	4554	3,49	3804
73	118605-972	PERICLES	ZD MIR RATIBOR	14	126 186	3,97	4671	3,54	4165
74	183522-961	DALMAZZI	ZOD HORICE	11	125 952	3,09	3415	3,16	3486
75	100032-101	CLEIT	AGRODR. NACERADEC	8	125 945	3,71	4176	3,16	3565
76	452859-961	SUPERSTITION	AGRAS BOHDALOV A.S.	8	125 797	3,17	3342	3,12	3291
77	141678-962	RAFAEL	DRAPAL STANISLAV ING	9	125 774	3,55	3163	3,19	2839
78	364989-931	TITOS DRI	BASIK MILAN, ING.	8	125 733	3,73	4035	3,14	3400
79	93334-130	BONTI	POLACEK OLDRICH	10	125 681	3,48	4098	3,01	3548
80	172495-921	FROST	DRUZSTVO AGROCHMEL	11	125 549	3,29	3930	3,12	3731
81	18349-203	CUBBY	CRF, SPOL. S.R.O.	10	125 247	2,95	3351	2,87	3257
82	189907-972	BEACON	ZEM.AKC.SPOL.NIVNICE	8	125 185	3,51	3691	3,02	3181
83	177621-972	LOTTO	AGROJECMINEK S.R.O.	7	124 972	3,45	3433	3,06	3042
84	301734-932	JAMMER	JILEK JAN ING.	8	124 971	3,56	3778	3,09	3277
85	142887-972	FAB	AGD MORKOVICE, DRUZS.	10	124 943	4,18	4695	3,60	4051
86	117108-613	WINNER	AGD BLIZKOVICE, DRUZS.	11	124 836	3,57	4068	3,17	3611
87	143127-921	JESTHER	ZS VILEMOV, A.S.	8	124 741	3,34	3400	3,16	3214
88	242762-961	OFAIT	ZD VELKY BERANOV	8	124 435	2,91	3032	2,90	3022
89	453103-961	SUPERSTITION	AGRAS BOHDALOV A.S.	8	124 376	3,39	4123	2,96	3610
90	98966-942	GAIETY	AGRO HOSTKA A.S.	10	124 367	4,20	4201	3,23	3234
91	218749-971	TOYSTORY	VYJIDACEK RADOMIR	7	124 185	3,73	3981	3,07	3281
92	7075-766		ZEM. A.S. OPAVA-KYLES.	12	123 908	3,28	3857	3,15	3702
93	163197-952	EIFFEL	ZEAS, A.S. POD KUN.H.	9	123 877	3,48	3835	3,16	3490
94	295741-961	ECONOM	AGRODAM HOREPNIK S.R.O.	6	123 709	3,43	2895	3,01	2536
95	134298-502	LUDGER	AGRO POSAZAVI, A.S.	9	123 681	3,15	3622	3,23	3715
96	4432-953	GERSHEL	ZS OSTRETIN A.S.	8	123 342	3,07	3342	2,88	3137
97	343802-961	BUCKEYE	ZP OSTROV A.S.	8	123 290	3,02	2934	2,75	2673
98	17553-742	CUBBY	NETIS, A.S.	11	123 263	3,52	4021	3,04	3481
99	10340-981	V BOJER	NETIS, A.S.	7	123 126	3,02	3154	2,97	3094
100	426781-961	JAMMER	ZDV NOVOVESELSKO	10	122 975	3,40	3947	3,03	3518



AGRAS BRUNO - Best young Czech bull



KRA-HO BORD RED - Best Czech RED bull



AGRAS AMÁLKA 41 - Progeny of Great Family cow



BOOKEM ELISE - Mother AGRAS ZACK - Best Czech proven bull



ZERAS MAMBA - cow with a lifetime yield of more than 150,000 kg of milk



RADIM DENISA - Best EX cow of the year 2021



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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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