



# ANNUAL REPORT 2012

HOLSTEIN CATTLE BREEDERS ASSOCIATION OF THE CZECH REPUBLIC

## Content:

|                                                                                                                              |    |
|------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Introduction .....                                                                                                        | 2  |
| 2. Development of the number of milk recorded cows and their breed structure .....                                           | 2  |
| 2.1 Breed structure development in milk recorded cows since 1990 .....                                                       | 3  |
| 3. Results of milk recorded cows in the test year 2010/2011 .....                                                            | 3  |
| Production development of milk recorded purebred B & W cows since 1992 .....                                                 | 3  |
| 3.1 Means and standard deviations of breeding values (BV) in cows according to the year of birth TDM 03/12 .....             | 4  |
| 4. Best herds and cows according to the fat and protein production per lactations completed in the test year 2011/2012 ..... | 4  |
| 4.1 Best herds with high production over the test year 2012 .....                                                            | 4  |
| 4.2 Breeding cows with the highest production per standardized lactation completed in the test year 2010/2011 .....          | 4  |
| 5. Artificial insemination in 2012 .....                                                                                     | 5  |
| 5.1 Number and proportion of first and total inseminations in different breeds .....                                         | 5  |
| 5.2 Number and proportion inseminations by semen of bulls proven in different countries (imports) 2012 .....                 | 5  |
| 5.3 Number and proportion of first and total inseminations in different categories .....                                     | 5  |
| 5.4 Breeding bulls with the highest number of 1st insemination .....                                                         | 6  |
| 5.5 Test bulls in the year 2012 .....                                                                                        | 7  |
| 6. Type evaluation .....                                                                                                     | 8  |
| 6.1 Numbers of type scored first Calvers .....                                                                               | 8  |
| 7. Breeding values Evaluation .....                                                                                          | 8  |
| 8. Cows with the highest lifetime yield .....                                                                                | 8  |
| 9. Selection index for Holstein cattle .....                                                                                 | 9  |
| 10. Show Cows in 2012.....                                                                                                   | 10 |

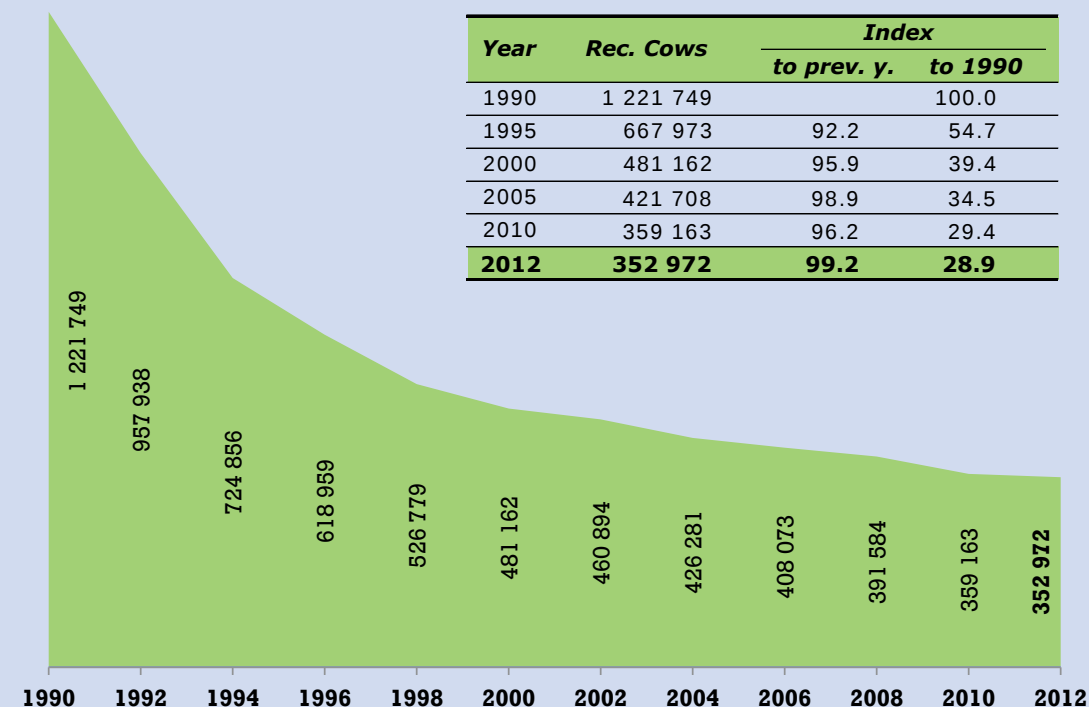
## 1. Introduction

Dear readers,

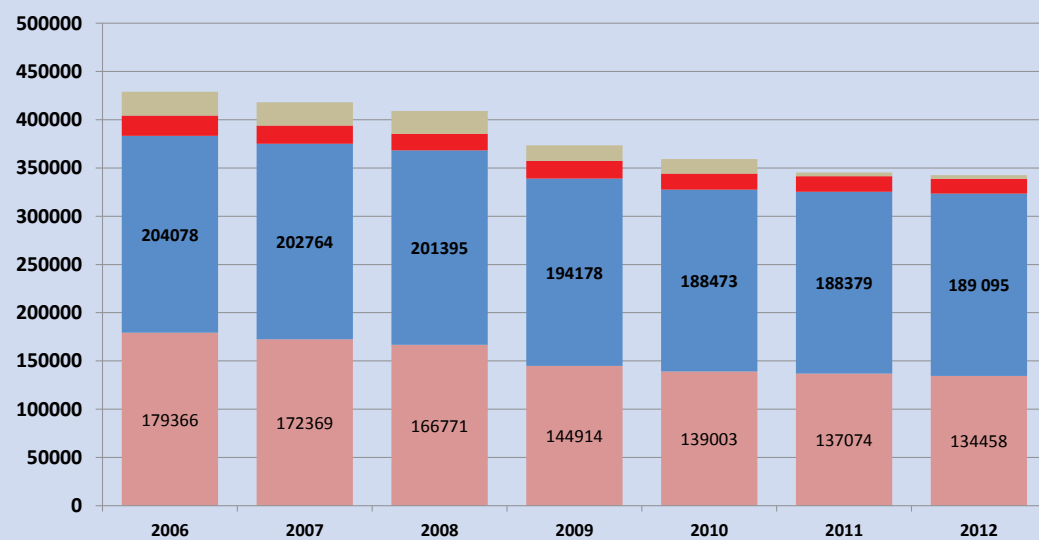
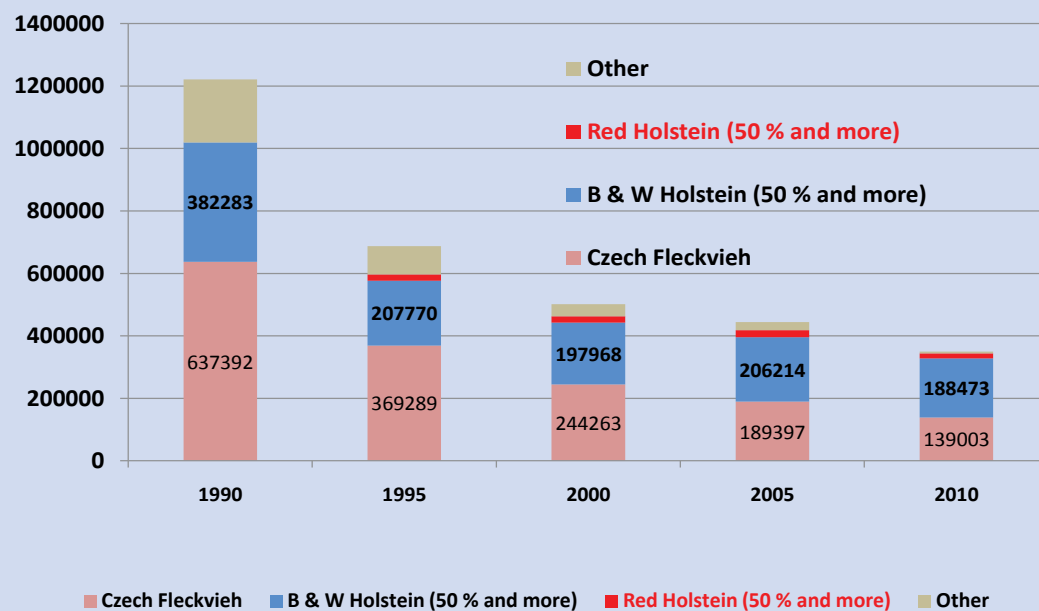
The Annual Report is a comprehensive source of information about the status and efficiency of the Holstein population, best herds and animals. As a separate publication it has been issued for ten years. In this form you can also obtain results concerning the next test year, in case you ask for these 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 the Holstein cattle breeders association of the Czech Republic. The latest information are regularly published on the web pages of the Association ([www.holstein.cz](http://www.holstein.cz)). Further important information can be obtained on the pages of the Czech-Moravian Union of Breeders and Plemdat, Ltd. ([www.plemdat.cz](http://www.plemdat.cz)).

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

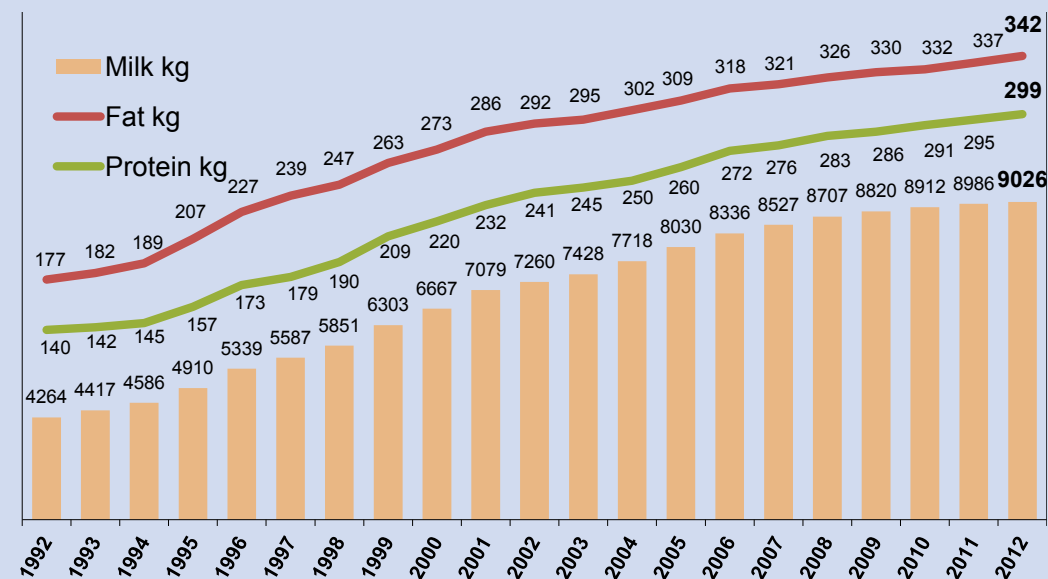


## 2.1 Breed structure development in milk recorded cows since 1990



## 3. Results of milk recorded cows in the test year 2011/2012

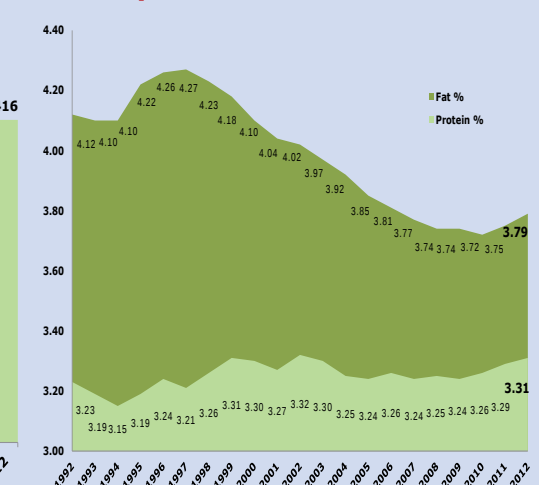
Milk production of milk recorded holstein cows



Intercalving interval of milk recorded holstein cows



Milk fat and protein content of milk recorded holstein cows



### 3.1 Means and standard deviations of breeding values (BV) in cows according to the year of birth TDM 03/13

| Year | n         | BV kg M |       | BV % F |      | BV kg F |      | BV % P |      | BV kg P |      |
|------|-----------|---------|-------|--------|------|---------|------|--------|------|---------|------|
|      |           | avg     | s     | avg    | s    | avg     | s    | avg    | s    | avg     | s    |
| 1992 | 28 005    | -342    | 300.0 | 0.08   | 0.12 | -8.7    | 13.6 | 0.01   | 0.07 | -11.3   | 10.0 |
| 1993 | 40 835    | -318    | 325.9 | 0.08   | 0.14 | -7.3    | 14.7 | 0.01   | 0.08 | -10.4   | 10.7 |
| 1994 | 41 307    | -314    | 326.8 | 0.10   | 0.15 | -5.8    | 14.5 | 0.02   | 0.08 | -9.6    | 10.7 |
| 1995 | 44 390    | -311    | 363.1 | 0.11   | 0.16 | -5.0    | 14.7 | 0.03   | 0.09 | -8.8    | 11.4 |
| 1996 | 47 429    | -275    | 403.0 | 0.11   | 0.18 | -3.7    | 15.8 | 0.02   | 0.09 | -8.2    | 12.5 |
| 1997 | 50 802    | -196    | 422.4 | 0.08   | 0.19 | -1.8    | 16.3 | 0.01   | 0.09 | -6.2    | 13.1 |
| 1998 | 53 016    | -117    | 439.2 | 0.05   | 0.19 | -1.3    | 16.6 | 0.00   | 0.09 | -4.0    | 13.8 |
| 1999 | 56 055    | -43     | 450.5 | 0.02   | 0.20 | -0.4    | 16.7 | 0.00   | 0.10 | -1.6    | 14.1 |
| 2000 | 59 166    | 0       | 450.0 | 0.00   | 0.20 | 0.0     | 17.0 | 0.00   | 0.10 | 0.0     | 14.0 |
| 2001 | 60 280    | 63      | 473.7 | 0.00   | 0.21 | 3.1     | 17.5 | 0.00   | 0.10 | 2.2     | 14.5 |
| 2002 | 61 438    | 128     | 480.8 | -0.01  | 0.21 | 4.9     | 17.9 | 0.00   | 0.11 | 4.5     | 14.8 |
| 2003 | 62 909    | 172     | 490.0 | -0.02  | 0.21 | 5.6     | 18.6 | 0.00   | 0.11 | 5.8     | 15.1 |
| 2004 | 61 821    | 193     | 498.1 | -0.02  | 0.22 | 6.4     | 18.7 | 0.00   | 0.11 | 6.6     | 15.2 |
| 2005 | 61 562    | 221     | 492.3 | -0.02  | 0.21 | 8.1     | 18.8 | 0.00   | 0.11 | 7.9     | 15.4 |
| 2006 | 61 892    | 271     | 505.1 | -0.01  | 0.22 | 11.3    | 18.5 | 0.00   | 0.12 | 9.7     | 15.7 |
| 2007 | 59 612    | 342     | 506.3 | -0.01  | 0.22 | 14.1    | 18.2 | 0.01   | 0.12 | 12.5    | 15.6 |
| 2008 | 58 818    | 350     | 516.1 | 0.00   | 0.22 | 15.7    | 18.3 | 0.02   | 0.12 | 13.4    | 15.8 |
| 2009 | 60 924    | 386     | 504.6 | 0.01   | 0.22 | 17.7    | 17.5 | 0.02   | 0.12 | 14.9    | 15.2 |
| 2010 | 45 832    | 442     | 489.2 | 0.00   | 0.21 | 19.9    | 17.0 | 0.01   | 0.12 | 16.6    | 14.5 |
| All  | 1 048 115 | 54      | 521.0 | 0.02   | 0.20 | 4.3     | 19.0 | 0.01   | 0.10 | 2.4     | 16.6 |

## 4. Best herds and cows according to F+P production per lactations completed in the test year 2011/2012

### 4.1 Best herds for a high production over the test year 2012

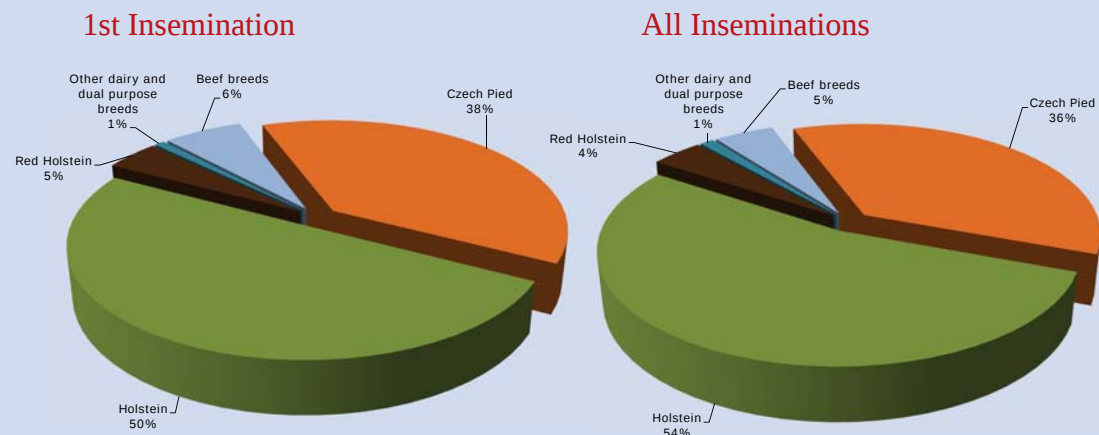
| Rank | Breeder                    | Farm               | Rec. | M kg   | F %  | F kg | P %  | P kg | F+P |
|------|----------------------------|--------------------|------|--------|------|------|------|------|-----|
| 1    | KOPECKY PAVEL              | JIRETICE           | 58   | 12 531 | 3.94 | 494  | 3.33 | 418  | 912 |
| 2    | AGRAS BOHDALOV, A.S.       | BOHDALOV VKK       | 678  | 12 331 | 3.93 | 485  | 3.26 | 402  | 887 |
| 3    | VALASSKE ZOD, DRUZ. ZASOVA | ZASOVA K 1         | 266  | 11 147 | 4.43 | 494  | 3.29 | 367  | 861 |
| 4    | VYJIDACEK RADOMIR          | VYSEHORKY 5        | 28   | 12 211 | 3.61 | 441  | 3.19 | 389  | 830 |
| 5    | ZERAS AS RADOST.N/O.       | RADOSTIN           | 601  | 11 736 | 3.74 | 439  | 3.30 | 387  | 826 |
| 6    | BASIK MILAN, ING.          | ZARYBNICNA LHOTA 1 | 60   | 11 875 | 3.61 | 429  | 3.28 | 390  | 819 |
| 7    | ZS OSTRETIN A.S.           | OSTRETIN-NK        | 460  | 11 718 | 3.74 | 438  | 3.25 | 381  | 819 |
| 8    | AGRODRUZSTVO ZAHORI        | OSLOV NK           | 284  | 11 791 | 3.77 | 444  | 3.18 | 375  | 819 |
| 9    | GENOSERVIS, A.S.           | FARMA SKALICKA     | 9    | 11 710 | 3.78 | 442  | 3.08 | 361  | 803 |
| 10   | ROZVODI, SPOL. S R.O.      | CERNOV VKK         | 446  | 11 440 | 3.74 | 428  | 3.26 | 373  | 801 |
| 11   | ZD ROSTYN V HODICICH       | VKK HODICE         | 357  | 10 650 | 4.11 | 438  | 3.38 | 360  | 798 |
| 12   | VALASSKE ZOD, DRUZ. ZASOVA | STRITEZ KR 2       | 242  | 11 097 | 3.94 | 438  | 3.24 | 360  | 798 |
| 13   | AGRODRUZSTVO ZAHORI        | TRESEN             | 482  | 11 447 | 3.75 | 429  | 3.19 | 366  | 795 |
| 14   | ZESPO CZ S.R.O.            | PISECNA H          | 399  | 10 285 | 4.38 | 450  | 3.34 | 344  | 794 |
| 15   | MORAVSKA ZEMEDELKA         | PROSENICE          | 493  | 11 046 | 3.79 | 419  | 3.39 | 374  | 793 |

### 4.2 Breeding cows with the highest production per standardized lactation completed in the test year 2011/2012

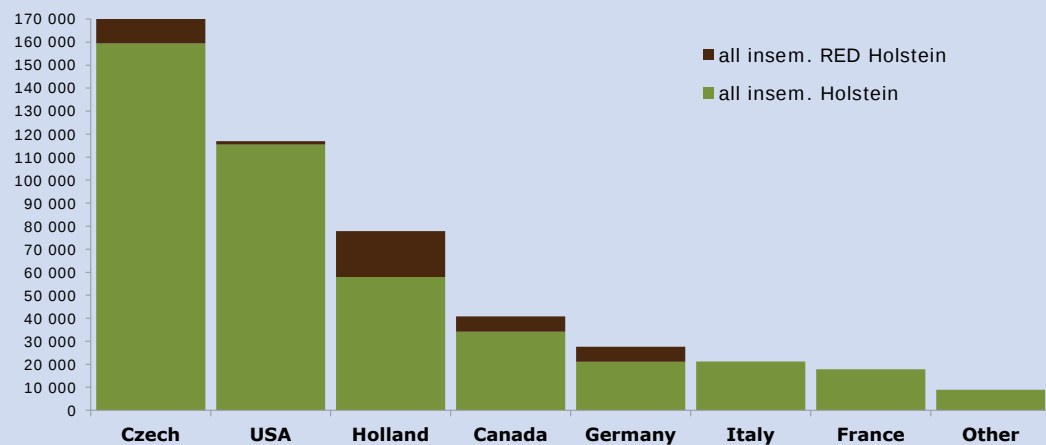
| Rank | Number     | Breeder                | Farm             | Sire                  | L | M kg   | F %  | F kg | P %  | P kg | F+P  |
|------|------------|------------------------|------------------|-----------------------|---|--------|------|------|------|------|------|
| 1    | 272389-961 | ZERAS AS RADOST.N/O.   | RADOSTIN         | WELCOME GARTER        | 2 | 18 235 | 4.28 | 780  | 3.16 | 577  | 1357 |
| 2    | 118041-101 | KOPECKY PAVEL          | JIRETICE         | JESTHER               | 7 | 17 620 | 4.35 | 767  | 3.20 | 564  | 1331 |
| 3    | 274547-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GEM-HILL AMEL DON     | 4 | 19 014 | 3.75 | 713  | 3.11 | 591  | 1304 |
| 4    | 153970-921 | VOD ZDISLAVICE         | ZDISLAVICE H     | ROUKI                 | 3 | 15 967 | 4.48 | 715  | 3.40 | 543  | 1258 |
| 5    | 127380-972 | VAL. ZOD, DRUZ. ZASOVA | ZASOVA K 1       | MESLAND DUPLEX        | 4 | 14 500 | 5.41 | 785  | 3.23 | 468  | 1253 |
| 6    | 109462-921 | KOPECKY PAVEL          | JIRETICE         | CERETTESE ZIDANE      | 4 | 16 565 | 4.38 | 726  | 3.16 | 523  | 1249 |
| 7    | 319684-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | SILDHL AIRRAID        | 3 | 17 176 | 4.07 | 699  | 3.18 | 547  | 1246 |
| 8    | 319719-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | ANDACRES HUNTER ORION | 3 | 15 958 | 4.51 | 719  | 3.30 | 526  | 1245 |
| 9    | 274700-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GG ADDISON SATIRE     | 3 | 16 383 | 4.37 | 716  | 3.22 | 527  | 1243 |
| 10   | 367026-961 | ZERAS AS RADOST.N/O.   | RADOSTIN         | ROUMARE               | 2 | 16 539 | 4.01 | 663  | 3.48 | 575  | 1238 |
| 11   | 144120-972 | VAL. ZOD, DRUZ. ZASOVA | ZASOVA K 1       | KLASSIC MERRILL LYNCH | 3 | 14 766 | 5.10 | 753  | 3.25 | 480  | 1233 |
| 12   | 319925-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GG ADDISON SATIRE     | 2 | 16 537 | 4.19 | 693  | 3.25 | 537  | 1230 |
| 13   | 353215-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GENOS GAVOR           | 2 | 15 994 | 4.32 | 691  | 3.36 | 538  | 1229 |
| 14   | 319714-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GENOS IRONMAN ET      | 3 | 17 647 | 3.60 | 636  | 3.31 | 584  | 1220 |
| 15   | 240650-931 | AGRODRUZST. VYSETICE   | VYSETICE         | NILIGHT               | 4 | 18 979 | 3.29 | 624  | 3.11 | 591  | 1215 |
| 16   | 260403-931 | AGRODRUZSTVO ZAHORI    | TRESEN           | O-BEE MANFRED JUSTICE | 3 | 15 943 | 4.33 | 691  | 3.27 | 521  | 1212 |
| 17   | 136061-972 | VAL. ZOD, DRUZ. ZASOVA | ZASOVA K 1       | BEARMEG               | 3 | 13 483 | 5.61 | 757  | 3.37 | 455  | 1212 |
| 18   | 295373-961 | LUKA A.S.              | VYS.STUDNICE VKK | KELSTEIN OLIVER       | 2 | 15 420 | 4.56 | 703  | 3.27 | 504  | 1207 |
| 19   | 319643-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | ECONOM                | 3 | 16 728 | 4.07 | 680  | 3.13 | 524  | 1204 |
| 20   | 326688-961 | DOBROSEV A.S.          | DOBROSEV A.S.    | DUDOC MR BURNS        | 2 | 16 272 | 4.32 | 703  | 3.07 | 500  | 1203 |
| 21   | 224753-921 | VOD ZDISLAVICE         | ZDISLAVICE H     | REGANCERT DOLMAN      | 2 | 17 815 | 3.67 | 653  | 3.08 | 549  | 1202 |
| 22   | 187442-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GEMORY ET             | 5 | 15 336 | 4.33 | 664  | 3.50 | 537  | 1201 |
| 23   | 353271-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | J-L MRSHL TOYSTORY    | 2 | 17 405 | 3.69 | 643  | 3.19 | 555  | 1198 |
| 24   | 274854-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | URNIETA ZELATI II     | 3 | 14 828 | 4.52 | 670  | 3.55 | 526  | 1196 |
| 25   | 274727-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | JEWELLED-ACRES SHARKY | 4 | 16 651 | 3.78 | 629  | 3.40 | 566  | 1195 |
| 26   | 334406-961 | ZERAS AS RADOST.N/O.   | RADOSTIN         | ECONOM                | 2 | 17 844 | 3.68 | 656  | 3.02 | 539  | 1195 |
| 27   | 319635-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GENOS JUST ET         | 3 | 16 928 | 3.83 | 648  | 3.23 | 546  | 1194 |
| 28   | 296555-961 | ZERAS AS RADOST.N/O.   | RADOSTIN         | MCCLOE-POND TRENT     | 3 | 14 811 | 4.31 | 639  | 3.74 | 554  | 1193 |
| 29   | 319855-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | ZERAS JOINER ET       | 2 | 15 661 | 4.16 | 651  | 3.45 | 540  | 1191 |
| 30   | 171126-953 | ZS OSTRETIN A.S.       | OSTRETIN-NK      | MASCOL ET             | 3 | 15 028 | 4.47 | 672  | 3.45 | 518  | 1190 |
| 31   | 182079-961 | AGRODRUZSTVO ZAHORI    | OSLOV NK         | O-BEE MANFRED JUSTICE | 4 | 15 201 | 4.52 | 687  | 3.28 | 499  | 1186 |
| 32   | 248580-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | RICECREDIT MURPHY     | 4 | 16 332 | 4.02 | 657  | 3.23 | 528  | 1185 |
| 33   | 319641-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | ECONOM                | 3 | 16 523 | 3.98 | 657  | 3.14 | 519  | 1176 |
| 34   | 158904-971 | AGRAS ZELATOVICE A.S.  | ZELATOVICE VKK 1 | ECONOM                | 3 | 15 025 | 4.79 | 720  | 3.03 | 456  | 1175 |
| 35   | 228337-961 | DOBROSEV A.S.          | DOBROSEV A.S.    | PIROCCO MTOTO VELOX   | 3 | 14 487 | 4.93 | 714  | 3.18 | 461  | 1175 |
| 36   | 274675-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GG ADDISON SATIRE     | 3 | 14 729 | 4.40 | 648  | 3.55 | 523  | 1171 |
| 37   | 319668-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | GG ADDISON SATIRE     | 2 | 16 752 | 3.73 | 625  | 3.25 | 545  | 1170 |
| 38   | 140664-962 | ZOD HANA, DRUZSTVO     | VKK RYBNICEK     | ROTHENEUF             | 2 | 14 801 | 4.46 | 660  | 3.45 | 510  | 1170 |
| 39   | 171129-953 | ZS OSTRETIN A.S.       | OSTRETIN-NK      | EM-JO IMAN            | 3 | 17 605 | 3.46 | 610  | 3.18 | 559  | 1169 |
| 40   | 121458-971 | MLECNA FARMA S.R.O.    | LUBINA VKK       | ECONOM                | 4 | 18 503 | 3.30 | 610  | 3.02 | 558  | 1168 |
| 41   | 171173-953 | ZS OSTRETIN A.S.       | OSTRETIN-NK      | JARDIN ET             | 2 | 17 883 | 3.24 | 598  | 3.27 | 585  | 1165 |
| 42   | 319606-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | FAB                   | 3 | 18 346 | 3.26 | 584  | 3.09 | 567  | 1165 |
| 43   | 109450-921 | KOPECKY PAVEL          | JIRETICE         | FOREST                | 4 | 16 641 | 3.95 | 658  | 3.05 | 507  | 1165 |
| 44   | 248668-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | WELCOME GARTER        | 4 | 17 198 | 3.51 | 604  | 3.25 | 559  | 1163 |
| 45   | 319802-961 | AGRAS BOHDALOV, A.S.   | BOHDALOV VKK     | MASCOL ET             | 3 | 16 265 | 3.82 | 621  | 3.33 | 542  | 1163 |

## 5. Artificial insemination in 2012

### 5.1 Number and proportion of first and total inseminations in different breeds

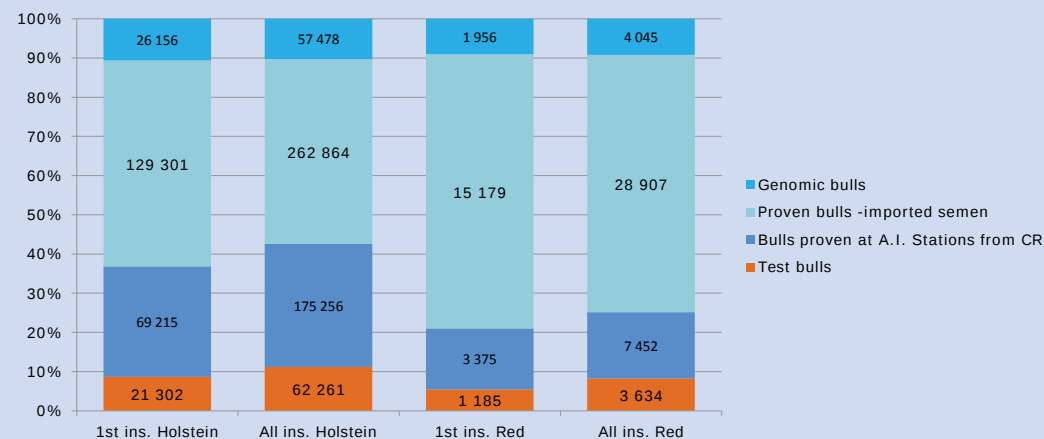


### 5.2 Numbers and proportion inseminations by semen of bulls proven in different countries (imports) 2012



### 5.3 Number and proportion of first and total inseminations in different categories

| Category                              | Bulls      | 1st ins.       | All ins.       | All/1st %  | % 1st ins.   | % All ins.   |
|---------------------------------------|------------|----------------|----------------|------------|--------------|--------------|
| <b>a. Holstein (Black and White)</b>  |            |                |                |            |              |              |
| Bulls in test                         | 125        | 21 302         | 65 261         | 3.1        | 8.7          | 11.6         |
| Proven bulls at A.I. stations from CR | 295        | 69 215         | 175 256        | 2.5        | 28.1         | 31.2         |
| Proven bulls imported semen           | 380        | 129 301        | 262 864        | 2.0        | 52.6         | 46.9         |
| Other nonproof bull                   | 70         | 26 156         | 57 478         | 2.2        | 10.6         | 10.2         |
| <b>Total</b>                          | <b>870</b> | <b>245 974</b> | <b>560 859</b> | <b>2.3</b> | <b>100.0</b> | <b>100.0</b> |
| <b>b. Red Holstein</b>                |            |                |                |            |              |              |
| Bulls in test                         | 6          | 1 185          | 3 634          | 3.1        | 5.5          | 8.3          |
| Proven bulls at A.I. stations from CR | 18         | 3 375          | 7 452          | 2.2        | 15.6         | 16.9         |
| Proven bulls imported semen           | 62         | 15 179         | 28 907         | 1.9        | 70.0         | 65.6         |
| Other nonproof bull                   | 12         | 1 956          | 4 045          | 2.1        | 9.0          | 9.2          |
| <b>Total</b>                          | <b>98</b>  | <b>21 695</b>  | <b>44 038</b>  | <b>2.0</b> | <b>100.0</b> | <b>100.0</b> |



## 5.4 Breeding bulls with the highest number of 1st insemination

| Name           | 1st ins. | All ins. | SIH | Sire        | Sire of Dam |
|----------------|----------|----------|-----|-------------|-------------|
| ICHANT         | 6 893    | 16 611   | 126 | MERCHANT    | ADDISON     |
| YANK           | 6 574    | 14 078   | 118 | BW MARSHALL | MANFRED     |
| SHULAN         | 6 008    | 13 939   | 126 | SHOTTLE     | BESN        |
| OMANOMAN       | 4 525    | 9 843    |     | MAN O MAN   | SHOTTLE     |
| PREDESTINE     | 4 248    | 9 668    |     | JET STREAM  | TOYSTORY    |
| MANIFOLD       | 3 888    | 7 438    |     | O MAN       | BW MARSHALL |
| JEEP           | 3 684    | 8 881    | 123 | MURPHY      | CHAMPION    |
| KAI            | 3 261    | 7 328    | 126 | REXONDI     | O MAN       |
| NAVARRO        | 3 204    | 7 639    | 128 | MASCOL      | MELCHIOR    |
| E.T. SHOTTLE   | 3 122    | 7 415    |     | SHOTTLE     | JOCKO BESN  |
| HEMAN          | 3 113    | 5 258    |     | MAN O MAN   | GOLDWYN     |
| ALTAR2         | 2 874    | 5 138    |     | MARION      | RAMOS       |
| LEVI           | 2 790    | 4 755    |     | BUCKEYE     | O MAN       |
| END STORY      | 2 555    | 5 072    |     | O MAN       | JOCKO BESN  |
| O-COSMOPOLITAN | 2 443    | 5 870    |     | PLANET      | SHOTTLE     |
| GOLI           | 2 288    | 4 414    |     | O MAN       | BW MARSHALL |
| ALTA ROSS      | 2 072    | 3 662    |     | O MAN       | BOSS        |
| SANTANA        | 2 028    | 4 111    |     | SHOTTLE     | TRENT       |
| JOYALIST       | 2 015    | 4 350    | 115 | ROYALIST    | TRIBUTE     |
| GOFAST         | 2 015    | 4 401    |     | GOLDWYN     | O MAN       |
| IMOLA          | 1 964    | 4 431    | 133 | O MAN       | TRENT       |
| KODAK          | 1 894    | 3 657    |     | KEVIN       | STADEL      |
| SUPER          | 1 818    | 3 342    |     | BOLIVER     | O MAN       |
| PLANET         | 1 739    | 2 834    | 129 | TABOO       | AMEL        |
| COLOMBIANO     | 1 729    | 3 294    |     | O MAN       | AARON       |
| SUDAN          | 1 674    | 3 423    |     | JAMMER      | SAILOR 95   |
| IMALOT         | 1 656    | 3 407    | 120 | O MAN       | MTOTO       |
| DOVER          | 1 647    | 3 319    |     | LAUDAN      | DEBUT       |
| MARCOS         | 1 609    | 2 882    |     | MURPHY      | BW MARSHALL |
| DOBERMAN       | 1 602    | 2 887    |     | SHOTTLE     | GRANGER     |
| KILOBYTE       | 1 576    | 3 939    | 116 | GOLDWYN     | DURHAM      |
| EMERALD        | 1 541    | 3 031    |     | MARION      | LYNCH       |
| KETCUA         | 1 489    | 3 591    | 132 | O MAN       | BELLWOOD    |
| LOGAN          | 1 485    | 2 454    |     | O MAN       | BW MARSHALL |
| EIGHT          | 1 482    | 2 585    | 124 | O MAN       | MTOTO       |
| FROSTY         | 1 477    | 3 610    | 128 | BW MARSHALL | SAND        |
| ADMIRAL        | 1 461    | 2 725    |     | GOLDWYN     | ALLEN       |
| MASSEY         | 1 439    | 2 734    | 131 | MASCOL      | BRET        |
| OMEGA          | 1 422    | 3 122    | 127 | O MAN       | BW MARSHALL |

| Name      | 1st ins. | All ins. |     | Sire       | Sire of Dam |
|-----------|----------|----------|-----|------------|-------------|
| GARRETT   | 1 415    | 2 687    | 116 | O MAN      | MTOTO       |
| HUNTER    | 1 356    | 2 328    |     | MAN O MAN  | SHOTTLE     |
| ECONOM    | 1 353    | 3 342    | 104 | ADDISON    | MANFRED     |
| JORDAN    | 1 348    | 2 503    |     | GOLDWYN    | DURHAM      |
| CM        | 1 332    | 2 620    |     | SHARKY     | OUTSIDE     |
| FIDELITY  | 1 310    | 2 274    |     | KIAN       | LIGHTNING   |
| ALTA IOTA | 1 293    | 2 311    |     | O MAN      | ITO         |
| ASTERIX   | 1 279    | 2 360    |     | LAWN BOY   | CANVAS      |
| IMAN      | 1 279    | 2 540    | 122 | O MAN      | LANTZ       |
| JAYTON    | 1 271    | 2 431    |     | DUCE       | JOCKO BESN  |
| LLOYD     | 1 263    | 2 974    | 127 | SHOTTLE    | TRENT       |
| GAILURON  | 1 261    | 2 730    |     | LAUDAN     | IGNITER     |
| ALFONS    | 1 258    | 3 109    | 130 | SINATRA    | BRETT       |
| LOBBY     | 1 224    | 3 262    | 121 | JARDIN     | VELOX       |
| O-ALEXMAN | 1 222    | 2 778    |     | ALEXANDER  | O MAN       |
| LEOLA     | 1 221    | 2 371    |     | CANVAS     | LIGHTNING   |
| GOLDFIRE  | 1 211    | 2 564    | 129 | GOLDWYN    | O MAN       |
| MARITIME  | 1 208    | 2 146    |     | FBI        | STORMATIC   |
| KARSH     | 1 203    | 2 658    | 124 | MARSH      | LORD LILY   |
| YANO      | 1 176    | 2 538    |     | PLANET     | BRET        |
| JOINT     | 1 170    | 3 744    | 121 | SHOTTLE    | JOCKO BESN  |
| LIEK      | 1 147    | 2 290    |     | LUDOX      | LEE         |
| LOYDIE    | 1 101    | 2 026    |     | O MAN      | BW MARSHALL |
| ASTRE MAN | 1 074    | 1 980    |     | O MAN      | MORTY       |
| NEARBY    | 1 070    | 2 215    |     | CANVAS     | RAMOS       |
| MURAL     | 1 053    | 1 819    |     | TOYSTORY   | TITANIC     |
| BECKER    | 1 050    | 1 996    |     | FBI        | MORTY       |
| GO AHEAD  | 1 039    | 2 333    | 129 | O MAN      | RUSSEL      |
| ALINO     | 1 020    | 1 896    | 120 | JOCKO BESN | STORM       |
| NONSTOP   | 999      | 2 593    |     | JEEVES     | LAUDAN      |
| PLATO     | 992      | 1 900    |     | POTTER     | MANAT       |
| IMPULS    | 987      | 1 643    |     | O MAN      | JESTHER     |
| OSCO      | 971      | 2 243    |     | SUPER      | GOLDWYN     |
| JUNCTION  | 943      | 2 163    | 124 | O MAN      | CONVINCER   |
| WIZZARD   | 936      | 2 878    | 127 | WEBSTER    | CASH        |
| PRINCE    | 929      | 2 498    | 100 | BRITT      | MTOTO       |
| JAMMER    | 919      | 1 878    | 122 | EARL       | ZEBO        |
| TRIGGER   | 913      | 1 704    | 0   | SHOTTLE    | BOLIVER     |
| MICA      | 886      | 2 491    | 127 | SHOTTLE    | HARRY       |

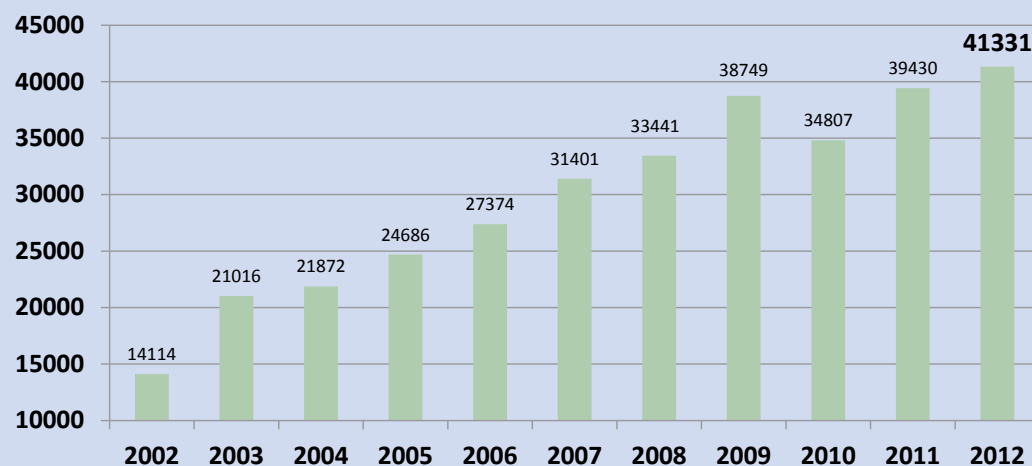
## 5.5 Test bulls in the year 2012

| Name       | Owner | Country | Sire      | Sire of Dam | Breeder           |
|------------|-------|---------|-----------|-------------|-------------------|
| ORLANDO    | 101   | CZE     | JEEVES    | SHOTTLE     | DOBROSEV A.S.     |
| ONYX       | 101   | CZE     | ALTAOTTO  | ZENITH      | DOBROSEV A.S.     |
| MONREAL    | 510   | DEU     | MAN-O-MAN | SHOTTLE     | IMPORTED ID       |
| CHOICE     | 401   | NLD     | BOGART    | SHOTTLE     | IMPORTED BULL     |
| SUNSET     | 101   | NLD     | DIAMOND   | GOLDWYN     | IMPORTED ID       |
| PIETER     | 101   | NLD     | MAN-O-MAN | TITANIC     | IMPORTED ID       |
| LUCKY      | 101   | NLD     | LEGEND    | SHOTTLE     | IMPORTED ID       |
| LEADER     | 101   | NLD     | MAN-O-MAN | GOLDWYN     | IMPORTED ID       |
| HEROIC     | 101   | NLD     | SUNSIRE   | MASCOL      | IMPORTED ID       |
| GOLIATH    | 101   | NLD     | GOLI      | PARAMOUNT   | IMPORTED ID       |
| BUTTERFLY  | 101   | NLD     | SURPRISE  | O MAN       | IMPORTED ID       |
| GEM        | 101   | NLD     | BOGART    | JORDAN      | IMPORTED ID       |
| ROZ        | 101   | NLD     | LEGEND    | SHOTTLE     | IMPORTED ID       |
| DION       | 101   | NLD     | LEGEND    | SHOTTLE     | IMPORTED ID       |
| ARCADE     | 101   | NLD     | GOLI      | GOLDWYN     | IMPORTED ID       |
| OVARIX     | 701   | CZE     | ALEXANDER | MAC         | IMP EMBRYA        |
| ORANGE     | 701   | CZE     | GARRETT   | GAVOR       | ZERAS a.s.        |
| ORTY       | 401   | CZE     | HORTY     | O MAN       | ZS OSTŘETÍN       |
| OGART      | 101   | CZE     | BOGART    | SHOTTLE     | DOBROSEV A.S.     |
| LEGENDARY  | 101   | NLD     | LEGEND    | SHOTTLE     | IMPORTED ID       |
| CANO       | 803   | USA     | FREDDIE   | SHOTTLE     | IMPORTED ID       |
| PROSEKTOR  | 803   | USA     | EXPLODE   | GOLDWYN     | IMPORTED ID       |
| FRONTLINE  | 101   | NLD     | GARRETT   | A-A WIN 395 | IMPORTED ID       |
| BANDARAS   | 906   | USA     | FREDDIE   | SHOTTLE     | IMPORTED ID       |
| MORRIS     | 906   | CAN     | GARRETT   | BOLTON      | IMPORTED ID       |
| AMERY      | 906   | USA     | MILLION   | JET STREAM  | IMPORTED ID       |
| LUXURIANT  | 101   | USA     | BOGART    | SHOTTLE     | IMPORTED ID       |
| MILANO     | 401   | DEU     | MAN-O-MAN | SHOTTLE     | IMPORTED ID       |
| ORIGIN     | 401   | CZE     | RALSTORM  | RAMOS       | ZS OSTŘETÍN       |
| POASIS     | 101   | CZE     | ALTAROSS  | PLANET      | DOBROSEV A.S.     |
| FUICENEUF  | 903   | FRA     | MAN-O-MAN | OLIVER      | IMPORTED ID       |
| FRANIS POM | 604   | FRA     | MAN-O-MAN | ROUMARE     | IMPORTED ID       |
| FLEURIEL   | 604   | FRA     | MAN-O-MAN | BOLTON      | IMPORTED ID       |
| PETAR      | 101   | NLD     | LEGEND    | SHOTTLE     | IMPORTED ID       |
| HERBST     | 101   | USA     | TRIGGER   | GOLDWYN     | IMPORTED ID       |
| JAVA       | 170   | GBR     | JEEVES    | LAUDAN      | IMPORTED ID       |
| TOM        | 101   | USA     | MAN-O-MAN | MAC         | IMPORTED ID       |
| JEPSEN     | 101   | USA     | FREDDIE   | RAMOS       | IMPORTED ID       |
| LEXOR      | 803   | CAN     | MAN-O-MAN | GOLDWYN     | IMPORTED ID       |
| LOG-IN     | 202   | DEU     | LOGAN     | GOLDWYN     | IMPORTED ID       |
| JARY       | 101   | BEL     | JANGO     | GOLDWYN     | IMPORTED ID       |
| PAWNEE     | 201   | CZE     | RADON     | JONK        | ZD VYSOČINA ŽELIV |

| Name         | Owner | Country | Sire      | Sire of Dam | Breeder           |
|--------------|-------|---------|-----------|-------------|-------------------|
| FUJI         | 101   | USA     | BOWSER    | RAMOS       | IMPORTED ID       |
| FAUBARA      | 604   | FRA     | VAUCLUSE  | SHOTTLE     | IMPORTED ID       |
| SNOWFALL     | 803   | BEL     | SNOWMAN   | MAC         | IMPORTED BULL     |
| EMMETT       | 803   | DNK     | MAN-O-MAN | ALTABAXTER  | IMPORTED ID       |
| PONCA        | 201   | CZE     | SNOWMAN   | JARDIN      | DOBROSEV A.S.     |
| PASAT        | 401   | CZE     | ALTAIOTA  | TALENT      | ZS OSTŘETÍN       |
| GARCIA       | 803   | ITA     | MAN-O-MAN | SHOTTLE     | IMPORTED ID       |
| VOLCAN       | 906   | CAN     | EVOLVE    | GOLDWYN     | IMPORTED ID       |
| BRISK        | 201   | NLD     | BEACON    | GIBOR       | IMPORTED ID       |
| OPAL         | 701   | CZE     | PLANET    | RAMOS       | IMPORTED EMBRYO   |
| ORCAN        | 202   | CZE     | PING      | BESN        | ZD VYSOČINA ŽELIV |
| FANGIO       | 170   | GBR     | PLANET    | MASCOL      | IMPORTED ID       |
| FAITH        | 101   | NLD     | SUPER     | BOLTON      | IMPORTED ID       |
| SUPERB       | 906   | USA     | SUPER     | LADYS-MANOR | IMPORTED ID       |
| RUSS         | 101   | USA     | RUSSELL   | RAMOS       | IMPORTED ID       |
| POBIWAN      | 101   | CZE     | SUPER     | ERNESTO     | ZD ČECHTICE       |
| FRANCIS      | 101   | NLD     | NIAGRA    | PARAMOUNT   | IMPORTED ID       |
| MITCH        | 803   | USA     | SUPER     | SHOTTLE     | IMPORTED ID       |
| PHIVOS       | 510   | DEU     | PLANET    | O MAN       | IMPORTED ID       |
| BREWER       | 803   | USA     | SUPER     | SHOTTLE     | IMPORTED ID       |
| CORNELIUS    | 101   | USA     | SUPER     | COLBY       | IMPORTED ID       |
| RACEY        | 101   | USA     | RUSSEL    | BOLTON      | IMPORTED ID       |
| NICODEMUS    | 101   | USA     | SUPER     | GOLDWYN     | IMPORTED ID       |
| EPIC         | 803   | CAN     | SUPER     | ALTABAXTER  | IMPORTED ID       |
| PERSTITION   | 604   | CZE     | SUPER     | PLANET      | OLDŘICH POLÁČEK   |
| FUGACE       | 604   | FRA     | PLANET    | SHOTTLE     | IMPORTED ID       |
| BENTLEY      | 906   | USA     | OBSERVER  | SHOTTLE     | IMPORTED ID       |
| JEGO         | 101   | NLD     | JERUDO    | GOLDWYN     | IMPORTED ID       |
| REALTIME-RED | 803   | USA     | LION KING | TALENT      | IMPORTED ID       |

## 6. Type evaluation

### 6.1 Numbers of type scored first Calvers



## 7. Breeding values Evaluation

### Detailed descriptions of Breeding Values Evaluation

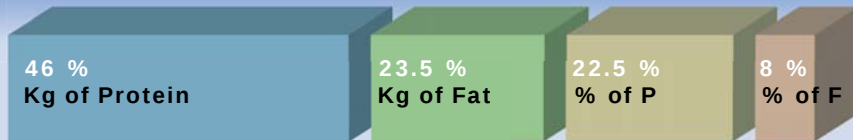
|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Milk Production Traits     | <a href="http://www.plemdat.cz/eng/Milk_Production_Traits.pdf">http://www.plemdat.cz/eng/Milk_Production_Traits.pdf</a> |
| Somatic cells count        | <a href="http://www.plemdat.cz/eng/Somatic_Cell.pdf">http://www.plemdat.cz/eng/Somatic_Cell.pdf</a>                     |
| Conformation               | <a href="http://www.plemdat.cz/eng/Conformation.pdf">http://www.plemdat.cz/eng/Conformation.pdf</a>                     |
| Fertility                  | <a href="http://www.plemdat.cz/eng/Fertility.pdf">http://www.plemdat.cz/eng/Fertility.pdf</a>                           |
| Delivery difficulties      | <a href="http://www.plemdat.cz/eng/delivery_difficulties.pdf">http://www.plemdat.cz/eng/delivery_difficulties.pdf</a>   |
| Longevity                  | <a href="http://www.plemdat.cz/eng/Longevity.pdf">http://www.plemdat.cz/eng/Longevity.pdf</a>                           |
| Holstein breed index (SIH) | <a href="http://www.plemdat.cz/eng/SIHeng.pdf">http://www.plemdat.cz/eng/SIHeng.pdf</a>                                 |

## 8. Cow with the highest lifetime yield

At the end of 2012, the Czech Republic had almost 200 cows, producing a lifetime more than 100,000 Kgs of milk. The best of them are listed in table.

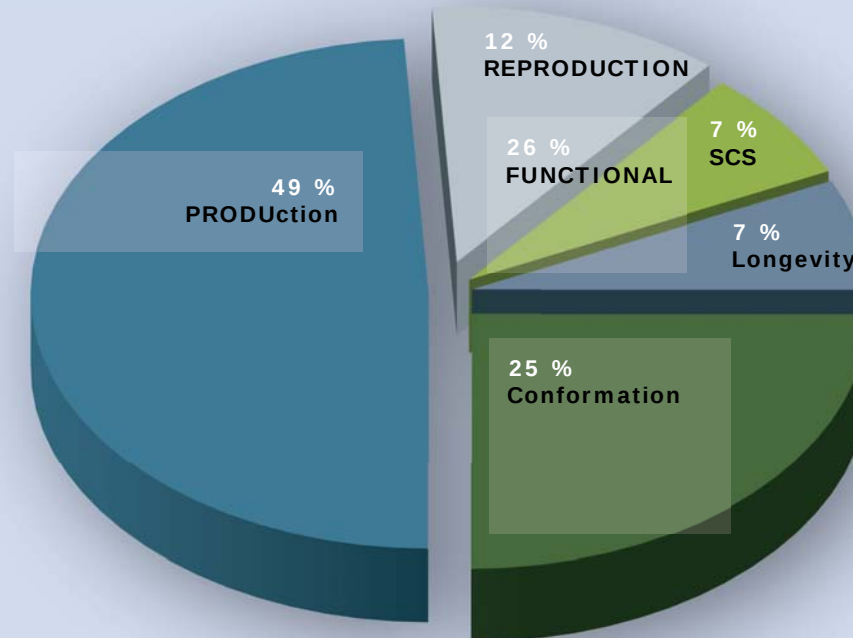
| Cow number | Name              | Sire      | Breeder                                 | lac. | M kgs   | F%   | F kgs | P%   | P kgs |
|------------|-------------------|-----------|-----------------------------------------|------|---------|------|-------|------|-------|
| 63536614   | ZERAS CESNA       | CALVIN    | ZERAS a.s. Radostin nad Oslavou         | 10   | 143 455 | 3.42 | 4 510 | 3.00 | 3 958 |
| 63505614   | ZERAS CARMEN      | CALVIN    | ZERAS a.s. Radostin nad Oslavou         | 9    | 142 576 | 3.42 | 4 473 | 3.19 | 4 176 |
| 56354246   | MASA              | BELLWOOD  | Ing. Ludmila Jindrová                   | 12   | 141 154 | 4.30 | 5 660 | 3.08 | 4 053 |
| 44130265   | HELENKA           | DANDY     | AGRO, družstvo Zahoří Dolní             | 11   | 138 741 | 3.62 | 4 439 | 3.02 | 3 704 |
| 18348203   | CRF LIDA          | CUBBY     | CRF spol.s r.o. Dvory nad Lužnicí       | 10   | 138 146 | 3.32 | 3 730 | 3.14 | 3 529 |
| 100298110  | MANKA             | CIPISEK   | Ing. Jan Miller Holubice                | 6    | 135 364 | 2.93 | 2 907 | 2.88 | 2 862 |
| 81707621   | LADA              |           | VOS zemědělců, a.s.                     | 11   | 135 045 | 3.29 | 4 110 | 2.93 | 3 658 |
| 5944610    | BABINA            |           | Zemědělské družstvo Šemíkovice          | 14   | 128 234 | 4.55 | 5 387 | 3.45 | 4 089 |
| 63884614   | ZERAS ELIS        | EILAND    | ZERAS a.s. Radostin nad Oslavou         | 9    | 127 907 | 3.52 | 4 273 | 3.16 | 3 841 |
| 76759264   | CERNOV LADY       | LATON     | Rozvodí, spol. s r.o. Černov 42 Černov  | 10   | 127 235 | 3.78 | 4 427 | 3.31 | 3 869 |
| 66210161   | ZDISLAVICE BERTA  | BATMAN    | VOD Zdislavice Zdislavice 36 Zdislavice | 12   | 127 201 | 3.86 | 4 647 | 3.29 | 3 969 |
| 101648205  | MARUSKA           | SID       | AGRO, družstvo Zahoří                   | 9    | 126 850 | 3.45 | 3 855 | 2.87 | 3 201 |
| 103540505  | KARLA             | INDER     | Zemědělské družstvo Dolany              | 11   | 126 633 | 3.46 | 4 267 | 3.22 | 3 974 |
| 118041101  | BETY              | JESTHER   | Pavel Kopecký Jiřetice                  | 7    | 126 501 | 4.24 | 4 651 | 3.32 | 3 643 |
| 100032101  | NACERADEC KLEJTKA | EXODUS    | AGRO DRUŽSTVO Načeradec                 | 8    | 125 945 | 3.71 | 4 176 | 3.16 | 3 565 |
| 93334130   | HOLE KRISTYNA     | BONTI     | Oldřich Poláček Hole                    | 9    | 125 681 | 3.48 | 4 098 | 3.01 | 3 548 |
| 18349203   | CRF MILKA         | CUBBY     | CRF spol.s r.o. Dvory nad Lužnicí       | 9    | 124 607 | 2.95 | 3 331 | 2.86 | 3 236 |
| 44207328   | PRINCEZNA         | MASTER    | Ing. Jan Miller Holubice                | 6    | 124 102 | 3.28 | 3 234 | 3.12 | 3 080 |
| 7075766    | KAMILA            |           | ZEMĚDĚLSKÁ a.s. Opava-Kylešovice        | 12   | 123 908 | 3.28 | 3 857 | 3.15 | 3 702 |
| 17553742   | KLARA             | CUBBY     | NETIS, a.s. Návsí 905 Návsí             | 10   | 121 288 | 3.52 | 3 958 | 3.04 | 3 420 |
| 100534701  | FARM-VA ARINA     | JUROR-ET  | FARMA VAJGLOV a.s. Vajglov Břidličná    | 10   | 121 021 | 4.01 | 4 537 | 3.16 | 3 585 |
| 18351203   | CRF BLANKA        | CUBBY     | CRF spol.s r.o. Dvory nad Lužnicí       | 8    | 120 494 | 3.32 | 3 005 | 3.29 | 2 981 |
| 116840614  | AGATA             | CLIFF     | ZDV Novoveselsko                        | 10   | 120 340 | 3.13 | 3 537 | 3.15 | 3 560 |
| 80725161   | ZITRONE           | COLON     | Pavel Kopecký Jiřetice                  | 10   | 120 290 | 4.11 | 4 304 | 3.11 | 3 257 |
| 113596204  | CERNOV GERTA      | GARRETT   | Rozvodí, spol. s r.o. Černov            | 8    | 120 270 | 3.92 | 3 766 | 3.11 | 2 987 |
| 111165701  | FARM-VA ARETHA    | CONVINCER | FARMA VAJGLOV a.s. Vajglov Břidličná    | 7    | 119 868 | 3.17 | 3 284 | 2.99 | 3 094 |
| 117385704  | SUCHDOLANKA       | DARWIN    | AGROSUMAK a.s. Suchdol nad Odrou        | 9    | 119 541 | 3.18 | 3 563 | 3.13 | 3 509 |
| 102115614  | AGRAS BOHDANA     | BIGBOY    | AGRAS Bohdalov, a.s. Bohdalov           | 8    | 119 390 | 3.03 | 3 388 | 3.01 | 3 369 |
| 91812643   | TESANY MONETA     | GISMO     | Agro MONET, a.s. Moutnice               | 9    | 119 292 | 3.22 | 3 440 | 2.98 | 3 175 |
| 47995501   | VSESTARY H.RUDIE  | GREENAERO | Zemědělské družstvo Vsestary            | 9    | 118 855 | 4.03 | 4 198 | 3.37 | 3 510 |
| 32591614   | DANIELKA          | CLOWN     | ZEMAS AG, a.s. Martinice                | 9    | 118 540 | 3.59 | 3 733 | 3.00 | 3 122 |
| 103352506  | OSTRETIN BRENDA 2 | BESNEBUCK | ZS Ostřetín, a.s. Ostřetín              | 9    | 118 249 | 3.69 | 3 978 | 3.34 | 3 602 |
| 116831614  | ANASTAZIE         | LATON     | ZDV Novoveselsko                        | 7    | 118 152 | 2.97 | 2 959 | 3.04 | 3 031 |
| 103082506  | OSTRETIN BOJANA 1 | CORSARO   | ZS Ostřetín, a.s. Ostřetín              | 9    | 117 867 | 3.56 | 3 653 | 3.09 | 3 172 |
| 81430502   | BERUNA            | BILANZET  | Ludmila Bártova Zboží                   | 9    | 117 652 | 3.49 | 3 629 | 3.00 | 3 114 |
| 37902201   | LUCI 1            |           | ZESPO CZ s.r.o. Písečná                 | 12   | 116 565 | 3.91 | 4 390 | 3.18 | 3 564 |
| 5074441    | BR VG DOLLY       | RUDOLPH   | ZOD Brniště a.s. Brniště                | 9    | 116 445 | 3.81 | 4 209 | 3.00 | 3 314 |
| 146012614  | MARTY             |           | ZERAS a.s. Radostin nad Oslavou         | 7    | 116 163 | 3.69 | 3 865 | 3.10 | 3 252 |
| 101763705  | MARTA             | STEAMER   | MESPOL Medlov, a.s. Medlov              | 10   | 116 147 | 3.67 | 3 706 | 3.04 | 3 061 |
| 122831610  | IVANA             | LEADER    | Zemědělské družstvo Šemíkovice          | 9    | 115 970 | 3.14 | 3 513 | 3.10 | 3 472 |
| 68584621   | AMALKA            | ELWOOD    | ZERA Rájec a.s. Rájec-Jestřebí          | 10   | 115 958 | 4.42 | 3 994 | 3.14 | 2 842 |

## 9. Selection index for Holstein cattle

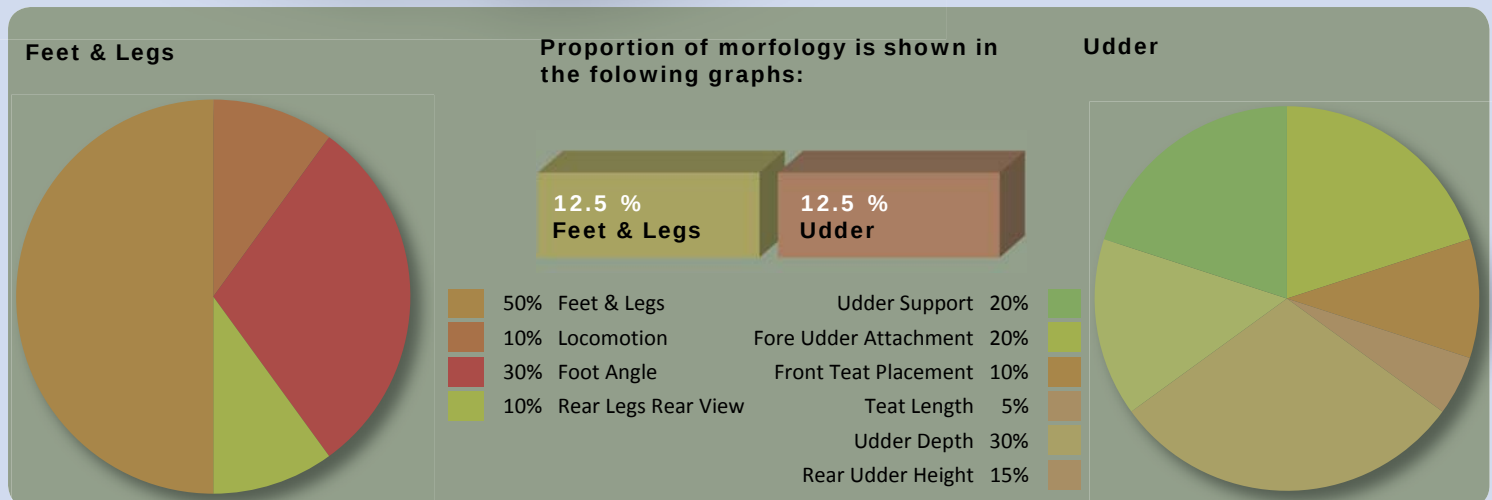
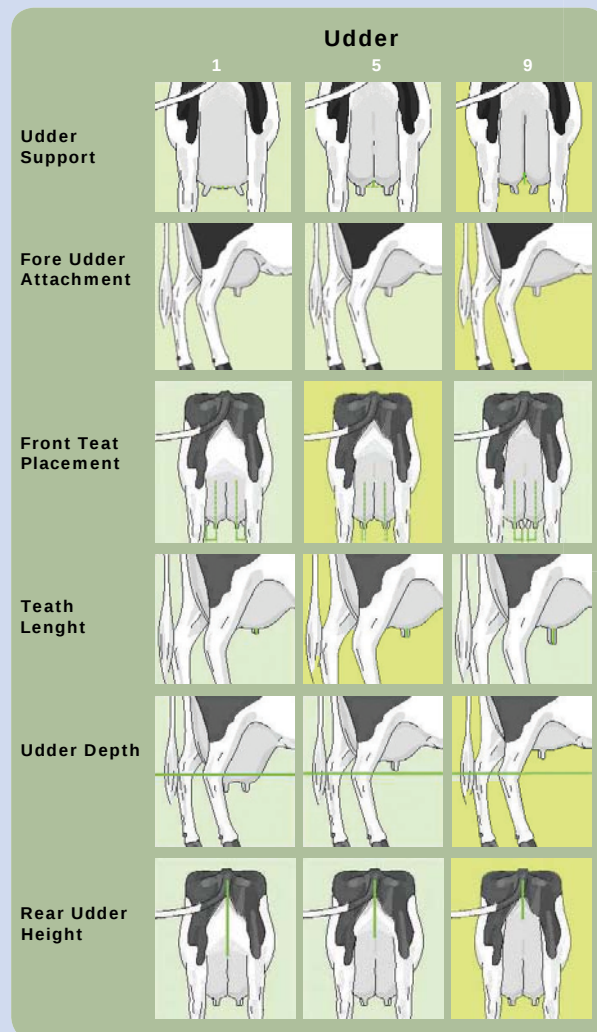


Proportion of production is shown in above graph:

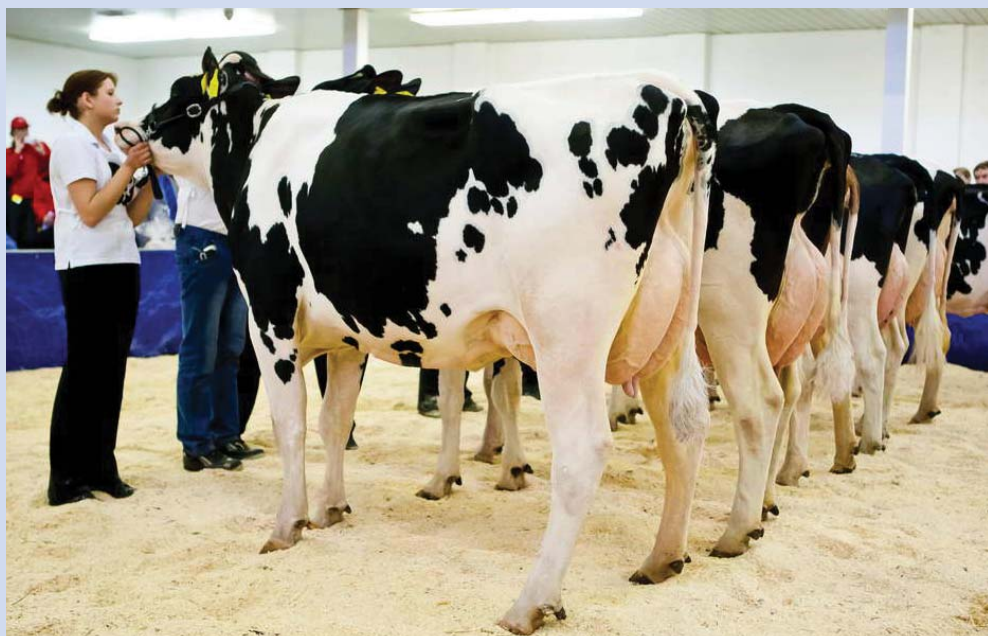
$$\text{Index of Milk Production}_i = 0,46 * \text{RBV Kg P} + 0,235 * \text{RBV Kg F} + 0,225 * \text{RBV \% P} + 0,08 * \text{RBV \% F}$$



In 2008 a composite selection index SIH was changed. Longevity was introduced and was changed proportion of production and functional.



# CZECH HOLSTEIN CHAMP



# CHAMPIONSHIP IN BRNO 2012



Magdaléna  
Straková

GRAND CHAMPION 326817-961 DOBRONIN LEGENDA 8 NXA-353 ALLIANCE x NEA-138 SEPTEMBER - DOBROSEV A.S. DOBRONÍN



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Ing. Aleš Bychl - secretary  
Ivana Jiráková - accountant  
Monika Novotná - clerk  
Ing. Ladislav Vondrášek - advisory specialist  
Ing. David Lipovský - advisory specialist

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

The publication was prepared by:  
Doc. Ing. Jiří Motyčka, CSc.,  
Ing. David Lipovský,  
Ing. Ladislav Vondrášek

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