# Milk Components Summary

(Continued from Page D26)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 625181 MLF SECRET SOLDIER..... | 3 | JUL-81 | 80 | 3 | 146 | 1.5 | 4 | 14 | +1286 | FAT | 86 | -.03 | +62 | +187 |
| | | | 19 | 1 | 20 | 1.4 | | 0 | | PROTEIN | 49 | -.11 | | +181 |
| 625617 ROCKY HILL B.T. TOM-TOM..... | 81 | JUL-81 | 44 | 4 | 99 | 1.3 | 6 | 37 | +317 | FAT | 79 | +.05 | +21 | +55 |
| | | | 12 | 3 | 20 | 1.1 | | 36 | | PROTEIN | 43 | -.01 | | +53 |
| 626535 H.H.F. BARONET..... | 3 | JUL-81 | 64 | 3 | 109 | 1.3 | 0 | 45 | +1213 | FAT | 82 | -.31 | +30 | +130 |
| | | | 16 | 2 | 27 | 1.3 | | 38 | | PROTEIN | 51 | -.10 | | +124 |
| 626561 EHV NOBLE..... | 3 | JUL-81 | 103 | 3 | 176 | 1.3 | 4 | 46 | +894 | FAT | 88 | +.26 | +70 | +174 |
| | | | 23 | 2 | 36 | 1.0 | | 48 | | PROTEIN | 59 | -.04 | | +172 |
| 627500 SARGENT PLUS..... | 7 | JUL-81 | 58 | 2 | 90 | 1.0 | *** | 83 | +1220 | FAT | 78 | -.08 | +54 | +170 |
| | | | 15 | 2 | 22 | 1.0 | | 73 | | PROTEIN | 47 | -.06 | | +168 |

## Brown Swiss

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 146947 WHITE CLOUD DOREENS DELEGATE.. | 9 | JUL-81 | 770 | 17 | 3721 | 2.2 | 11 | 8 | +1245 | FAT | 99 | -.04 | +45 | +157 |
| | | | 20 | 3 | 38 | 1.3 | | 5 | | SNF | 50 | -.08 | | +149 |
| | | | 103 | 10 | 512 | 1.5 | | 19 | | PROTEIN | 91 | -.07 | | +150 |
| 148487 BLACKLAND BLOSSOMS EL-BRITE... | 21 | JUL-81 | 217 | 14 | 870 | 2.5 | 8 | 7 | +946 | FAT | 96 | +.08 | +48 | +141 |
| | | | 29 | 6 | 80 | 1.4 | | 20 | | PROTEIN | 71 | +.06 | | +151 |
| 154912 NAKOTA PAVANNE EVILO..... | 7 | JUL-81 | 166 | 3 | 291 | 2.0 | 9 | 19 | +2409 | FAT | 93 | -.20 | +68 | +272 |
| | | | 29 | 2 | 51 | 1.5 | | 15 | | PROTEIN | 66 | -.13 | | +257 |
| 156458 ROLLING VIEW MODERN STRETCH... | 14 | JUL-81 | 400 | 7 | 1261 | 1.7 | 10 | 24 | +1435 | FAT | 98 | -.08 | +47 | +173 |
| | | | 10 | 4 | 27 | 1.2 | | 42 | | SNF | 48 | +.06 | | +182 |
| | | | 64 | 3 | 113 | 1.2 | | 38 | | PROTEIN | 80 | +.03 | | +181 |
| 158696 MAPLE GROVE PERFORMER..... | 14 | JUL-81 | 181 | 4 | 443 | 1.8 | 10 | 35 | +1294 | FAT | 94 | -.18 | +29 | +134 |
| | | | 19 | 2 | 30 | 1.1 | | 59 | | PROTEIN | 52 | -.11 | | +120 |
| 158853 HARRIS HILL TOM JONES..... | 14 | JUL-81 | 234 | 7 | 720 | 1.8 | 10 | 28 | +1141 | FAT | 96 | -.02 | +44 | +148 |
| | | | 18 | 5 | 49 | 1.1 | | 42 | | PROTEIN | 58 | -.07 | | +139 |
| 159771 E E BEAUTICIAN KING..... | 7 | JUL-81 | 135 | 4 | 289 | 1.5 | 6 | 54 | +1563 | FAT | 91 | -.16 | +41 | +172 |
| | | | 20 | 5 | 53 | 1.2 | | 50 | | PROTEIN | 61 | -.11 | | +157 |
| 161373 HARRIS HILL IVAN..... | 7 | JUL-81 | 34 | 2 | 47 | 2.0 | 14 | 0 | +786 | FAT | 70 | +.07 | +40 | +118 |
| | | | 13 | 2 | 18 | 1.4 | | 0 | | PROTEIN | 42 | -.02 | | +118 |
| 163153 WEST LAWN STRETCH IMPROVER.... | 21 | JUL-81 | 245 | 6 | 691 | 1.6 | 7 | 39 | +1589 | FAT | 96 | -.07 | +55 | +196 |
| | | | 28 | 4 | 60 | 1.2 | | 39 | | PROTEIN | 66 | -.04 | | +193 |
| 163779 STONE STRETCH PERFECTION..... | 71 | JUL-81 | 75 | 4 | 150 | 1.7 | 11 | 11 | -443 | FAT | 86 | +.10 | -7 | -41 |
| | | | 13 | 1 | 16 | 1.3 | | 10 | | PROTEIN | 42 | +.01 | | -39 |
| 164757 VINE VALLEY PAVANNE LU ANSON.. | 11 | JUL-81 | 60 | 3 | 115 | 1.7 | 6 | 17 | +1033 | FAT | 83 | -.15 | +22 | +105 |
| | | | 13 | 3 | 29 | 1.4 | | 22 | | PROTEIN | 51 | .00 | | +106 |

# Where do the breeds stack up?

BELTSVILLE, Md. — After summing up all the statistics for the 1981 Sire Summary this past July, the predictable differences between the dairy breeds were tabulated and studied by USDA staff. This analysis has caused USDA spokesman, W. E. Shainline, Jr. with the Animal Improvement Programs Laboratory, here, to urge farmers to look to their genetic future and the strides they have to take just to stay abreast.

"We continue to emphasize the importance of increasing selection standards to keep pace with genetic progress," stated the spokesman, referring to the summary of average proofs. "This progress is demonstrated by the trend toward higher PDs through the past several sire runs.

"Dairy producers' selection standards for PD$ or PDM require revision upwards if intensity of selection is to equal that following the January, 1981 Summary. Although upward adjustment of selection level is essential to maintain genetic progress, a simpler and more effective approach would be to use the best sires available in any breed."

Table 1 reports the average predicted difference milk, PDM, PD percent test, PD%, PD fat, PDF, and PD dollar, PD$, values for each breed and type of service group. Tables 2 and 3 show the selection distribution of PDM and PD$ for active AI sires.

TABLE 1.--Average PD values for bulls summarized in July 1981

| Breed | All bulls* | | | | | Active AI bulls | | | | | Non-AI bulls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | PDM | PD% | PDF | PD$ | Number | PDM | PD% | PDF | PD$ | Number | PDM | PD% | PDF | PD$ |
| Ayrshire | 277 | +146 | -0.02 | +4 | +16 | 17 | +711 | -0.05 | +23 | +85 | 228 | +72 | -0.01 | +2 | +8 |
| Guernsey | 699 | +200 | -.03 | +7 | +25 | 45 | +873 | -.10 | +31 | +109 | 553 | +129 | -.02 | +4 | +15 |
| Holstein | 11,189 | +274 | -.03 | +6 | +28 | 730 | +1,145 | -.06 | +33 | +131 | 8,257 | +128 | -.03 | +1 | +10 |
| Jersey | 1,141 | +411 | -.08 | +13 | +49 | 85 | +1,159 | -.20 | +39 | +141 | 875 | +298 | -.07 | +9 | +35 |
| Brown Swiss | 369 | +378 | -.03 | +12 | +45 | 48 | +934 | -.04 | +32 | +115 | 265 | +260 | -.02 | +8 | +30 |
| Milking Shorthorn | 123 | +649 | +.02 | +26 | +86 | 13 | +970 | +.03 | +39 | +128 | 98 | +608 | +.02 | +24 | +80 |
| Red and White | 18 | +4 | .00 | 0 | 0 | 1 | +277 | +.10 | +24 | +58 | 15 | -12 | -.01 | -2 | -4 |
| All breeds | 13,816 | +284 | -.02 | +7 | +30 | 939 | +1,111 | -.05 | +33 | +128 | 10,291 | +149 | -.02 | +2 | +13 |

TABLE 2.--Distribution of PDM by breed for active AI sires in the July 1981 Modified Contemporary Comparison

| Range of PDM | Number of sires | | | | | |
|---|---|---|---|---|---|---|
| | Ayrshire | Guernsey | Holstein | Jersey | Brown Swiss | Milking Shorthorn |
| +2000 and above | --- | — | 17 | 2 | 1 | — |
| +1800 to +1999 | --- | — | 28 | 3 | 2 | 1 |
| +1600 to +1799 | --- | — | 44 | 5 | 1 | — |
| +1400 to +1599 | 1 | 3 | 102 | 11 | 5 | — |
| +1200 to +1399 | 2 | 5 | 163 | 17 | 4 | 2 |
| +1000 to +1199 | — | 10 | 154 | 18 | 10 | 2 |
| +800 to +999 | 3 | 11 | 97 | 17 | 7 | 3 |
| +600 to +799 | 4 | 6 | 51 | 9 | 9 | 3 |
| +400 to +599 | 4 | 7 | 28 | 2 | — | 2 |
| +200 to +399 | 3 | 2 | 18 | 1 | 6 | — |
| 0 to +199 | — | — | 10 | — | 1 | — |
| -1 and below | — | 1 | 18 | — | 2 | — |
| Total | 17 | 45 | 730 | 85 | 48 | 13 |

TABLE 3.--Distribution of PD$ by breed for active AI sires in the July 1981 Modified Contemporary Comparison

| Range of PD$ | Number of sires | | | | | |
|---|---|---|---|---|---|---|
| | Ayrshire | Guernsey | Holstein | Jersey | Brown Swiss | Milking Shorthorn |
| -200 and above | — | — | 47 | 7 | 4 | - |
| -180 to +199 | — | 4 | 46 | 11 | 3 | — |
| -160 to +179 | 2 | 1 | 90 | 9 | 4 | 2 |
| -140 to +159 | — | 7 | 132 | 10 | 5 | 2 |
| -120 to +139 | 1 | 8 | 165 | 21 | 6 | 1 |
| -100 to +119 | — | 8 | 96 | 16 | 9 | 3 |
| -80 to +99 | 5 | 5 | 62 | 7 | 7 | 4 |
| -60 to -79 | 5 | 4 | 36 | 1 | 1 | — |
| -40 to -59 | 1 | 6 | 19 | 2 | 2 | — |
| -20 to -39 | 3 | 1 | 12 | 1 | 3 | — |
| 0 to +19 | — | — | 5 | — | 2 | — |
| -1 and below | — | 1 | 20 | — | 2 | — |
| Total | 17 | 45 | 730 | 85 | 48 | 13 |