

|                                |                                 |                                |                   |                                |                                          |                   |                             |
|--------------------------------|---------------------------------|--------------------------------|-------------------|--------------------------------|------------------------------------------|-------------------|-----------------------------|
| Breed<br><b>XX</b>             | <b>Herd Summary</b>             |                                |                   |                                |                                          | <b>55-99-9999</b> | DHI-302                     |
| Type Test<br><b>71-Comm AP</b> | Prev. Test<br><b>08-28-2024</b> | Test Date<br><b>09-24-2024</b> | Days<br><b>27</b> | Processed<br><b>09-25-2024</b> | <b>SMITH DAIRY</b><br><b>HENRY SMITH</b> |                   | String = HERD<br>Tech = 192 |

|                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <u>Peak and Persistency</u><br>Peak Milk Lact 1 is Yellow if Peak Ratio (1st/Others) is < .70<br>(Indicates under performance versus older cows)<br>Peak Milk Lacts 2/3+ are Yellow if Peak Ratio (1st/Others) is > .85<br>(Indicates under performance versus younger cows) |  | <u>Yearly SCC Summary</u><br>Lact 1 DIM < 30 is Yellow if >= 34%<br>(Ideally should be < 20%)                                                                                                                                                   |  | <u>Changes in SCC Status</u><br>Cures >= 20% are Green if at least 8% higher than New Infections<br>New Infections >=15% are Yellow if at least 8% higher than Cures<br>(New Infections ideally should be < 8%) |  |
| <u>Current SCC Evaluation</u><br>Yellow if % Infected >= 25 for Lact 1, >= 35 for Lact 2, >= 45 for Lact 3+<br>Yellow if % Cows by Linear Score 7,8,9 >= 5 for Lact 1, >= 10 for Lact 2, >= 15 for Lact 3+                                                                   |  | <u>Production Averages</u><br>MLM is Green if 10+% increase from previous test and is Yellow if 10+% decrease from previous test.<br>Fresh Infections are Yellow if >= 30% of Fresh Cows (Min. 10 Fresh Cows. Fresh infections should be < 20%) |  |                                                                                                                                                                                                                 |  |

| Dry Period Summary |                  |         |      |
|--------------------|------------------|---------|------|
| Avg Days           | Cows by Days Dry |         |      |
|                    | < 40             | 40 - 70 | > 70 |
| 119                | 36               | 59      | 313  |
|                    | 9%               | 14%     | 77%  |

Based on 408 Cows

| Peak and Persistency            |          |            |      |      |     |      |      |         |      | Daily Milk |       | Current SCC Evaluation                                                   |        |            |      |                        |     |       |       |
|---------------------------------|----------|------------|------|------|-----|------|------|---------|------|------------|-------|--------------------------------------------------------------------------|--------|------------|------|------------------------|-----|-------|-------|
| 305 ME                          |          | Prod Index | Lact | Cows | DIM | Peak |      | MLM     |      | DHI        |       | Cows                                                                     | SCC LS | % Infected | Lact | % Cows by Linear Score |     |       |       |
| Milk                            | \$ Value |            |      |      |     | DIM  | Milk | Current | C-L  |            |       |                                                                          |        |            |      | 0,1                    | 2,3 | 4,5,6 | 7,8,9 |
| 17,270                          | 2,802    | 103        | 1    | 154  | 254 | 64   | 53   | 46      | -0.2 |            | 14703 | 52                                                                       | 3.6    | 44         | 1    | 23                     | 27  | 40    | 10    |
| 16,887                          | 2,745    | 101        | 2    | 195  | 130 | 57   | 73   | 46      | +0.1 | Sold       | 15279 | 109                                                                      | 3.6    | 44         | 2    | 17                     | 36  | 39    | 8     |
| 16,538                          | 2,648    | 97         | 3+   | 241  | 146 | 73   | 80   | 45      | -1.1 | Shipped %  | 96    | 135                                                                      | 4.3    | 50         | 3+   | 7                      | 29  | 48    | 16    |
| 16,860                          | 2,722    | 100        | All  | 590  | 161 | 66   | 73   | 46      | -0.5 | Value \$   | 3674  | 296                                                                      | 3.9    | 47         | All  | 14                     | 31  | 44    | 12    |
| Peak Ratio (1st/Others) is 0.69 |          |            |      |      |     |      |      |         |      |            |       | 30-Day Production Lost from High SCC is 39900 Lbs with a \$ Loss of 9520 |        |            |      |                        |     |       |       |

| Management Level Milk |           |       |      |              |             |              |           |       | Yearly SCC Summary    |                   |          |       | Changes in SCC Status<br>(Distribution of Cows Sampled) |                |                          |                |                           |  |
|-----------------------|-----------|-------|------|--------------|-------------|--------------|-----------|-------|-----------------------|-------------------|----------|-------|---------------------------------------------------------|----------------|--------------------------|----------------|---------------------------|--|
| Annual Summary        |           |       | Lact | Current Test |             |              |           |       |                       |                   |          |       | Annual Fresh vs Dry Off (%)                             |                | Current vs Last Test (%) |                |                           |  |
| Days in Milk          |           |       |      | All<br>Cows  | All<br>Cows | Days in Milk |           |       | Lact                  | % Infected by DIM |          |       |                                                         |                |                          |                |                           |  |
| < 100                 | 100 - 200 | > 200 |      |              |             | < 100        | 100 - 200 | > 200 |                       | < 30              | 30 - 220 | > 220 |                                                         |                |                          |                |                           |  |
| 48                    | 49        | 57    | 53   | 1            | 46          | 50           | 37        | 48    | 1                     | 69                | 42       | 32    | Cures                                                   | Chronics       | Cures                    | Chronics       |                           |  |
| 48                    | 52        | 60    | 53   | 2            | 46          | 42           | 45        | 55    | 2                     | 40                | 36       | 41    | 20                                                      | 25             | 22                       | 38             |                           |  |
| 47                    | 55        | 59    | 53   | 3+           | 45          | 38           | 40        | 56    | 3+                    | 53                | 46       | 53    | Negatives                                               | New Infections | Negatives                | New Infections |                           |  |
| 47                    | 52        | 58    | 53   | All          | 46          | 41           | 41        | 54    | All                   | 50                | 42       | 40    | 32                                                      | 23             | 31                       | 9              |                           |  |
| Based on 12 Tests     |           |       |      |              |             |              |           |       | Based on 4838 Samples |                   |          |       | Based on 265 Cows Sampled                               |                |                          |                | Based on 194 Cows Sampled |  |

| Production Averages |     |     |          |           |      |           |          |           |            |     |      |     |       |       |         |        |                   |                  |                |    |
|---------------------|-----|-----|----------|-----------|------|-----------|----------|-----------|------------|-----|------|-----|-------|-------|---------|--------|-------------------|------------------|----------------|----|
| Rolling Herd        |     |     | Test Day |           |      |           | Date     | Quantity  |            |     |      |     |       |       | Quality |        |                   |                  |                |    |
| Milk                | Fat | Pro | All Cows | % in Milk | Milk | % Shipped |          | Milk Cows | Fresh Cows | DIM | Milk | MLM | % Fat | % Pro | Raw SCC | LS SCC | Number Infections | Fresh Infections | New Infections |    |
|                     |     |     |          |           |      |           |          |           |            |     |      |     |       |       |         |        |                   |                  | Number         | %  |
| 12,958              | 454 | 429 | 590      | 64        | 27   | 96        | 09-24-24 | 376       | 87         | 161 | 43   | 46  | 3.4   | 3.2   | 506     | 3.9    | 139               | 28               | 18             | 6  |
| 13,103              | 459 | 433 | 585      | 60        | 23   | 95        | 08-28-24 | 353       | 67         | 205 | 38   | 44  | 3.5   | 3.2   | 617     | 4.2    | 160               | 22               | 40             | 14 |
| 13,224              | 463 | 436 | 599      | 56        | 25   | 100       | 07-30-24 | 337       | 45         | 227 | 44   | 51  | 3.5   | 3.2   | 655     | 4.1    | 153               | 25               | 37             | 12 |
| 13,285              | 462 | 435 | 590      | 69        | 29   | 100       | 06-26-24 | 406       | 26         | 253 | 42   | 51  | 3.6   | 3.1   | 410     | 3.5    | 141               | 9                | 27             | 8  |
| 13,518              | 466 | 442 | 590      | 74        | 36   | 100       | 05-20-24 | 439       | 3          | 240 | 49   | 56  | 3.5   | 3.2   | 516     | 3.7    | 164               |                  | 48             | 12 |
| 13,779              | 476 | 450 | 605      | 76        | 40   | 100       | 04-24-24 | 461       | 3          | 220 | 53   | 58  | 3.2   | 3.2   | 386     | 3.5    | 146               | 3                | 36             | 9  |
| 14,127              | 489 | 462 | 637      | 78        | 42   | 99        | 03-27-24 | 496       | 18         | 201 | 54   | 55  | 3.6   | 3.4   | 351     | 3.2    | 164               | 6                | 42             | 9  |
| 14,517              | 503 | 473 | 641      | 78        | 44   | 99        | 02-27-24 | 501       | 37         | 181 | 57   | 57  | 3.4   | 3.3   | 315     | 3.2    | 165               | 8                | 32             | 7  |
| 14,874              | 515 | 484 | 644      | 77        | 40   | 99        | 01-29-24 | 497       | 41         | 173 | 51   | 51  | 3.7   | 3.4   | 375     | 3.6    | 191               | 9                | 50             | 11 |
| 15,208              | 524 | 494 | 650      | 80        | 41   | 98        | 12-28-23 | 518       | 49         | 167 | 51   | 52  | 3.7   | 3.4   | 408     | 3.6    | 196               | 15               | 50             | 11 |
| 15,379              | 528 | 499 | 663      | 78        | 42   | 98        | 11-29-23 | 516       | 63         | 164 | 54   | 57  | 3.5   | 3.5   | 397     | 3.7    | 196               | 19               | 45             | 10 |
| 15,423              | 533 | 500 | 666      | 76        | 36   | 100       | 10-25-23 | 504       | 65         | 162 | 48   | 52  | 3.5   | 3.4   | 402     | 3.8    | 200               | 26               | 39             | 9  |
| Averages >          |     |     | 622      | 72        | 36   | 99        |          | 450       | 42         | 194 | 49   | 53  | 3.5   | 3.3   | 445     | 3.6    | 168               | 14               | 39             | 10 |
| 15,479              | 540 | 502 | 676      | 72        | 31   | 99        | Dropped  | 486       | 56         | 164 | 44   | 50  | 3.3   | 3.2   | 534     | 4.0    | 196               | 20               | 27             | 7  |

Record Publication

Limited Disclosure

Data Collection Rating (Milk) = 97.7

|                         |                          |                         |            |                         |                            |                             |         |
|-------------------------|--------------------------|-------------------------|------------|-------------------------|----------------------------|-----------------------------|---------|
| Breed<br>XX             | Consultant Summary       |                         |            |                         |                            | 55-99-9999                  | DHI-302 |
| Type Test<br>71-Comm AP | Prev. Test<br>08-28-2024 | Test Date<br>09-24-2024 | Days<br>27 | Processed<br>09-25-2024 | SMITH DAIRY<br>HENRY SMITH | String = HERD<br>Tech = 192 |         |

| Herd Genetic Profile (Source: CDCB) |              |      |      |         |      |      |           |            |      |        |          |      |        |
|-------------------------------------|--------------|------|------|---------|------|------|-----------|------------|------|--------|----------|------|--------|
| Service Sires                       |              |      |      |         |      |      | Group     | Animal PTA |      |        | Sire PTA |      |        |
| Num Bred                            | Progeny Test |      |      | Genomic |      |      |           | Num        | NM\$ | % Rank | % AI     | NM\$ | % Rank |
|                                     | %            | NM\$ | % Rk | %       | NM\$ | % Rk |           |            |      |        |          |      |        |
| 29                                  |              |      |      |         |      |      | Calves    | 1          | +0   |        |          | +0   |        |
| 84                                  |              |      |      |         |      |      | Yearlings |            | -13  |        |          | +0   |        |
| 63                                  |              |      |      |         |      |      | Lact 1    |            | +0   |        |          | +0   |        |
| 80                                  |              |      |      |         |      |      | Lact 2    |            | +0   |        |          | +0   |        |
|                                     |              |      |      |         |      |      | Lact 3+   |            | +0   |        |          | +0   |        |
| 227                                 |              |      |      |         |      |      | Cows      |            | +0   |        |          | +0   |        |

| Inventory |            |      |     |              |     |
|-----------|------------|------|-----|--------------|-----|
| % Herd    | Group      | Age  | Num | % Identified |     |
|           |            |      |     | Sire         | Dam |
|           | Calves     |      |     |              |     |
|           | Yearlings  | 2-11 | 207 | 43           | 92  |
|           | Youngstock | 2-11 | 207 | 43           | 92  |
| 26        | Lact 1     | 2-00 | 154 | 15           | 25  |
| 33        | Lact 2     | 3-03 | 195 | 11           | 23  |
| 41        | Lact 3+    | 5-08 | 241 | 24           | 46  |
|           | Cows       | 3-11 | 590 | 17           | 33  |

| Cows Entering and Leaving Herd |             |           |                    |          |       |      |          |         |      |       |            |  |
|--------------------------------|-------------|-----------|--------------------|----------|-------|------|----------|---------|------|-------|------------|--|
| Number Entered                 | Number Left | Lact      | Reason for Leaving |          |       |      |          |         |      |       | % Turnover |  |
|                                |             |           | Dairy              | Low Milk | Repro | Sick | Mastitis | Ft/Legs | Died | Other |            |  |
| 81                             | 77          | 1         | 21                 | 4        | 18    | 9    | 4        | 4       | 8    | 4     | 13         |  |
| 16                             | 32          | 2         | 3                  | 3        | 10    | 3    |          | 1       | 8    | 1     | 5          |  |
| 3                              | 93          | 3+        | 17                 | 3        | 23    | 8    | 7        | 3       | 14   | 7     | 16         |  |
| 100                            | 202         | All       | 41                 | 10       | 51    | 20   | 11       | 8       | 30   | 12    | 34         |  |
|                                |             | Left Herd | 20%                | 5%       | 25%   | 10%  | 5%       | 4%      | 15%  | 6%    |            |  |

| Reproduction Summary                  |      |         |
|---------------------------------------|------|---------|
| Breeding Herd                         | Cows | Heifers |
| Animals                               | 464  | 207     |
| Animals Served (%)                    | 49   | 14      |
| Waiting Period (days or mo)           | 34   | 28      |
| First Served (<100 days or 15 mo) (%) | 19   | 3       |
| Time to First Services (days or mo)   | 155  | 12      |
| Services per Animal                   | 1.1  | 2.1     |
| Open Period (<150 days or 17 mo) (%)  | 27   | 9       |
| Min Calving Interval (months)         | 14.7 | 23.1    |
| Heat Detection Index (%)              |      |         |
| Pregnant Animals                      | Cows | Heifers |
| Animals                               | 224  | 29      |
| Conceived at First Service (%)        | 111  | 86      |
| Services per Conception               | 1.0  | 2.1     |
| Pregnancy Rate (%)                    | 8    |         |
| Open Period (days or mo)              |      | 13      |
| Calving Interval (months)             | 14.2 | 22.6    |
| CI - Standard Deviation (months)      |      |         |

Management Calving Interval = 14.5 Months

| % Left Non-Dairy by 60 DIM |         |          |          |           |
|----------------------------|---------|----------|----------|-----------|
| Lact                       | 1 Month | 3 Months | 6 Months | 12 Months |
| 1                          | 25      | 11       | 12       | 7         |
| 2                          | 20      | 17       | 10       | 4         |
| 3+                         | 29      | 26       | 20       | 9         |
| All                        | 26      | 20       | 15       | 7         |

| Birth Summary  |                |      |         |      |                          |   |   |       |       |
|----------------|----------------|------|---------|------|--------------------------|---|---|-------|-------|
| Dam's Lact Num | Offspring Born |      |         |      |                          |   |   |       |       |
|                | Males          |      | Females |      | Calving Difficulty Score |   |   |       |       |
|                | Alive          | Dead | Alive   | Dead | 1                        | 2 | 3 | 4 & 5 | % 4+5 |
| 1              | 62             |      |         |      | 12                       |   |   |       |       |
| 2+             | 302            |      |         |      | 48                       |   | 1 |       |       |
| Total          | 364            |      |         |      | 60                       |   | 1 |       |       |

| Service or Heat Intervals (Number) |    |
|------------------------------------|----|
| < 18 Days                          |    |
| 18-24 Days                         |    |
| 36-48 Days                         | 1  |
| Other                              | 14 |