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Flour Milling - 1998

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Table 1. Summary of Commercial Wheat Milling Production: 1984 to 1998

| Year       | Wheat flour<br>production<br>(1000 cwt.<br>sacks) | Wheat ground<br>for flour<br>(1000<br>bushels) | Millfeed<br>production<br>(1000<br>tons) | Average pounds per cwt.<br>sack of flour |          |
|------------|---|--|--|--|----------|
|            |   |  |  | Wheat                                    | Millfeed |
| 1998 ..... | 398,914   | 895,369  | 6,955                                    | 134.7                                    | 34.9     |
| 1997 ..... | 404,143   | 885,843  | 6,886                                    | 131.5                                    | 34.1     |
| 1996 ..... | 397,776   | 878,070  | 7,042                                    | 132.4                                    | 35.4     |
| 1995 ..... | 388,689   | 869,296  | 7,144                                    | 134.2                                    | 36.8     |
| 1994 ..... | 392,519   | 884,707  | 7,186                                    | 135.2                                    | 36.6     |
| 1993 ..... | 387,419   | 871,408  | 6,963                                    | 135.0                                    | 35.9     |
| 1992 ..... | 370,829   | 833,339  | 6,707                                    | 134.8                                    | 36.2     |
| 1991 ..... | 362,311   | 808,966  | 6,436                                    | 134.0                                    | 35.5     |
| 1990 ..... | 354,348   | 788,186  | 6,109                                    | 133.5                                    | 34.5     |
| 1989 ..... | 342,762   | 761,021  | 6,072                                    | 133.2                                    | 35.4     |
| 1988 ..... | 344,154   | 769,699  | 6,163                                    | 134.2                                    | 35.8     |
| 1987 ..... | 341,565   | 767,507  | 6,260                                    | 134.8                                    | 36.7     |
| 1986 ..... | 326,316   | 737,537  | 5,799                                    | 135.6                                    | 35.5     |
| 1985 ..... | 313,815   | 700,151  | 5,556                                    | 133.9                                    | 35.4     |
| 1984 ..... | 299,832   | 675,271  | 5,426                                    | 135.1                                    | 36.2     |

Table 2. Commercial Wheat Milling Production by Quarter: 1998 and 1997

| Quarter and year     | Wheat flour<br>production<br>(1000 cwt.<br>sacks) | Wheat ground<br>for flour<br>(1000<br>bushels) | Millfeed<br>production<br>(tons) | Daily<br>24-HOUR<br>capacity in<br>wheat flour<br>(1000 cwt.) | Wheat flour<br>mill stocks<br>(1000 cwt.) | Average pounds per cwt.<br>sack of flour |          |
|----------------------|---|--|----------------------------------|---|---|--|----------|
|                      |   |  |                                  |   |   | Wheat                                    | Millfeed |
| 1998                 |   |  |                                  |   |   |  |          |
| Total .....          | 398,914   | 895,369  | 6,954,947                        | (X)   | (X)                                       | 134.7                                    | 34.9     |
| Fourth Quarter ..... | 106,525   | 238,580  | 1,871,779                        | 1,470   | r/ 7,544                                  | 134.4                                    | 35.1     |
| Third Quarter .....  | 100,187   | 224,713  | 1,750,298                        | 1,461   | 7,345                                     | 134.6                                    | 34.9     |
| Second Quarter ..... | 96,233  | 216,591  | 1,668,693                        | 1,453   | 6,210                                     | 135.0                                    | 34.7     |
| First Quarter .....  | 95,969  | 215,485  | 1,664,177                        | 1,450   | 6,245                                     | 134.7                                    | 34.7     |
| 1997                 |   |  |                                  |   |   |  |          |
| Total .....          | 404,143   | 885,843  | 6,886,228                        | (X)   | (X)                                       | 131.5                                    | 34.1     |
| Fourth Quarter ..... | 106,119   | 232,068  | 1,814,214                        | 1,449   | 6,343                                     | 131.2                                    | 34.2     |
| Third Quarter .....  | 104,698   | 229,808  | 1,785,812                        | 1,433   | 6,330                                     | 131.7                                    | 34.1     |
| Second Quarter ..... | 99,558  | 217,429  | 1,679,403                        | 1,434   | 5,820                                     | 131.0                                    | 33.7     |
| First Quarter .....  | 93,768  | 206,538  | 1,606,799                        | 1,432   | 6,040                                     | 132.2                                    | 34.3     |

r Revised by 5 percent or more from previously reported data.

X Not applicable.

Table 3. Commercial Rye Milling Production by Quarter: 1998 and 1997

| Quarter and year         | Rye flour<br>production<br>(1000 cwt.<br>sacks) | Rye ground<br>for flour<br>(1000<br>bushels) | Millfeed<br>production<br>(tons) | Daily<br>24-HOUR<br>capacity<br>(1000 cwt.) | Stocks of<br>rye flour<br>(1000 cwt.) | Average pounds ground<br>per cwt. sack of flour |          |
|--------------------------|---|--|----------------------------------|---|---------------------------------------|---|----------|
|                          |   |  |                                  |   |                                       | Rye   | Millfeed |
| 1998                     |   |  |                                  |   |                                       |   |          |
| Total . . . . .          | r/ 1,617  | r/ 3,670                                     | (D)                              | (X)   | (X)                                   | 124.8   | 18.9     |
| Fourth quarter . . . . . | r/ 447  | 1,109  | (D)                              | 11  | 21                                    | 136.2   | 20.3     |
| Third quarter . . . . .  | r/ 427  | r/ 956                                       | (D)                              | 11  | r/ 20                                 | 122.2   | 21.0     |
| Second quarter . . . . . | 381   | r/ 835                                       | (D)                              | 11  | 19                                    | 121.3   | 18.1     |
| First quarter . . . . .  | r/ 362  | r/ 770                                       | (D)                              | 11  | 17                                    | 117.4   | 15.6     |
| 1997                     |   |  |                                  |   |                                       |   |          |
| Total . . . . .          | 1,396   | 3,291  | 12,384                           | (X)   | (X)                                   | 132.0   | 17.7     |
| Fourth quarter . . . . . | 387   | 888  | 3,243                            | 12  | 21                                    | 128.5   | 16.8     |
| Third quarter . . . . .  | 345   | 827  | 3,293                            | 12  | 26                                    | 134.2   | 19.1     |
| Second quarter . . . . . | 337   | 786  | 2,868                            | 12  | 27                                    | 130.6   | 17.0     |
| First quarter . . . . .  | 327   | 790  | 2,980                            | 12  | (D)                                   | 135.3   | 18.2     |

D Withheld to avoid disclosing data for individual companies.  
r Revised by 5 percent or more from previously reported data.  
X Not applicable.

Table 4A. Summary of Commercial Wheat Milling Production by Geographic Areas: 1998 and 1997

| Geographic area                    | 1998<br>Wheat flour production |  |  | 1997<br>Wheat flour production |  |  |
|------------------------------------|--------------------------------|--|--|--------------------------------|--|--|
|                                    | Total (1000<br>cwt. sacks)     | Wheat ground<br>for flour<br>(1000<br>bushels) | Daily<br>24-HOUR<br>capacity<br>(cwt. sacks) | Total (1000<br>cwt. sacks)     | Wheat ground<br>for flour<br>(1000<br>bushels) | Daily<br>24-HOUR<br>capacity<br>(cwt. sacks) |
| United States . . . . .            | 398,914                        | 895,369  | 1,469,668                                    | 404,143                        | 885,843  | 1,448,878                                    |
| California and<br>Hawaii . . . . . | 30,527                         | 68,407   | 104,980                                      | 30,105                         | 66,783   | 103,280                                      |
| Florida . . . . .                  | 9,508                          | 21,134   | 31,800                                       | 9,264                          | 20,629   | 31,800                                       |
| Georgia . . . . .                  | (D)                            | (D)  | (D)  | (D)                            | (D)  | (D)  |
| Illinois . . . . .                 | 20,619                         | 46,880   | 67,718                                       | 19,510                         | 44,789   | 67,218                                       |
| Indiana . . . . .                  | (D)                            | (D)  | (D)  | (D)                            | (D)  | (D)  |
| Iowa . . . . .                     | (D)                            | (D)  | (D)  | (D)                            | (D)  | (D)  |
| Kansas . . . . .                   | 40,278                         | 88,831   | 160,844                                      | 39,175                         | 85,809   | 154,560                                      |
| Michigan . . . . .                 | 7,739                          | 17,404   | 32,000                                       | 7,856                          | 17,702   | 32,000                                       |
| Minnesota . . . . .                | 33,999                         | 73,940   | 120,480                                      | 34,410                         | 76,196   | 120,480                                      |
| Missouri . . . . .                 | 26,336                         | 58,740   | 98,095                                       | 27,697                         | 60,558   | 98,250                                       |
| New York . . . . .                 | 27,508                         | 61,995   | 107,874                                      | 28,198                         | 62,636   | 105,874                                      |
| North Carolina . . . . .           | 11,508                         | 25,492   | 40,075                                       | 12,155                         | 25,817   | 40,075                                       |
| Ohio . . . . .                     | 24,310                         | 55,186   | 88,868                                       | 23,791                         | 53,192   | 84,868                                       |
| Oklahoma . . . . .                 | 8,113                          | r/ 18,489                                      | 30,500                                       | 8,312                          | 19,590   | 30,500                                       |
| Oregon and<br>Washington . . . . . | 13,150                         | r/ 29,398                                      | 52,233                                       | 13,473                         | 29,895   | 51,472                                       |
| Pennsylvania . . . . .             | 17,354                         | 38,351   | 59,262                                       | 16,178                         | 36,074   | 58,622                                       |
| Tennessee . . . . .                | 15,580                         | 36,673   | 55,429                                       | 15,597                         | 35,731   | 54,859                                       |
| Texas . . . . .                    | 14,649                         | 32,849   | 49,500                                       | 15,073                         | 33,510   | 50,060                                       |
| All other states . . . . .         | 71,575                         | 162,967  | 282,610                                      | 78,137                         | 160,386  | 282,285                                      |

D Withheld to avoid disclosing data for individual companies.

r Revised by 5 percent or more previously reported data.

Table 4B. Quantity of Wheat Flour Produced by Geographic Area: 1998 and 1997  
[1000 cwt. sacks]

| Geographic area                    | Total   | First<br>quarter | Second<br>quarter | Third<br>quarter | Fourth<br>quarter |
|------------------------------------|---------|------------------|-------------------|------------------|-------------------|
| 1998                               |         |                  |                   |                  |                   |
| United States . . . . .            | 398,914 | 95,969           | 96,233            | 100,187          | 106,525           |
| California and<br>Hawaii . . . . . | 30,527  | 7,594            | 7,576             | 7,443            | 7,914             |
| Florida . . . . .                  | 9,508   | 2,299            | 2,131             | 2,392            | 2,686             |
| Georgia . . . . .                  | (D)     | (D)              | (D)               | (D)              | (D)               |
| Illinois . . . . .                 | 20,619  | 4,730            | 4,848             | 5,201            | 5,840             |
| Indiana . . . . .                  | (D)     | (D)              | (D)               | (D)              | (D)               |
| Iowa . . . . .                     | (D)     | (D)              | (D)               | (D)              | (D)               |
| Kansas . . . . .                   | 40,278  | 9,395            | 9,487             | 10,336           | 11,060            |
| Michigan . . . . .                 | 7,739   | 1,845            | 1,927             | 2,000            | 1,967             |
| Minnesota . . . . .                | 33,999  | 7,959            | 7,785             | 8,855            | 9,400             |
| Missouri . . . . .                 | 26,336  | 6,297            | 6,568             | 6,552            | 6,919             |
| New York . . . . .                 | 27,508  | 7,038            | 7,120             | 6,613            | 6,737             |
| North Carolina . . . . .           | 11,508  | 2,677            | 2,850             | 2,984            | 2,997             |
| Ohio . . . . .                     | 24,310  | 6,464            | 5,670             | 5,826            | 6,350             |
| Oklahoma . . . . .                 | 8,113   | r/ 1,993         | 2,130             | r/ 1,945         | r/ 2,045          |
| Oregon and<br>Washington . . . . . | 13,150  | 3,226            | 3,156             | 3,296            | 3,472             |
| Pennsylvania . . . . .             | 17,354  | r/ 4,183         | r/ 4,115          | r/ 4,209         | r/ 4,847          |
| Tennessee . . . . .                | 15,580  | 3,674            | 3,873             | 3,979            | 4,054             |
| Texas . . . . .                    | 14,649  | 3,505            | 3,532             | 3,716            | 3,896             |
| All other states . . . . .         | 71,575  | 16,728           | 17,093            | 18,255           | 19,499            |
| 1997                               |         |                  |                   |                  |                   |
| United States . . . . .            | 404,143 | 93,768           | 99,558            | 104,698          | 106,119           |
| California and<br>Hawaii . . . . . | 30,105  | 7,110            | 7,417             | 7,688            | 7,890             |
| Florida . . . . .                  | 9,264   | 2,286            | 2,245             | 2,350            | 2,383             |
| Georgia . . . . .                  | (D)     | (D)              | (D)               | (D)              | (D)               |
| Illinois . . . . .                 | 19,510  | 4,492            | 4,715             | 4,957            | 5,346             |
| Indiana . . . . .                  | (D)     | (D)              | (D)               | (D)              | (D)               |
| Iowa . . . . .                     | (D)     | (D)              | (D)               | (D)              | (D)               |
| Kansas . . . . .                   | 39,175  | 9,378            | 9,398             | 10,252           | 10,147            |
| Michigan . . . . .                 | 7,856   | 1,768            | 1,919             | 2,037            | 2,132             |
| Minnesota . . . . .                | 34,410  | 8,118            | 8,309             | 8,680            | 9,203             |
| Missouri . . . . .                 | 27,697  | 6,225            | 6,748             | 7,252            | 7,472             |
| New York . . . . .                 | 28,198  | 6,433            | 6,926             | 7,431            | 7,408             |
| North Carolina . . . . .           | 12,155  | 2,767            | 3,097             | 3,169            | 3,122             |
| Ohio . . . . .                     | 23,791  | 5,155            | 5,743             | 6,375            | 6,518             |
| Oklahoma . . . . .                 | 8,312   | 1,921            | 2,059             | 2,114            | 2,218             |
| Oregon and<br>Washington . . . . . | 13,473  | 3,205            | 3,358             | 3,477            | 3,433             |
| Pennsylvania . . . . .             | 16,178  | 3,773            | 4,081             | 4,119            | 4,205             |
| Tennessee . . . . .                | 15,597  | 3,597            | 3,749             | 4,103            | 4,148             |
| Texas . . . . .                    | 15,073  | 3,630            | 3,777             | 3,834            | 3,832             |
| All other states . . . . .         | 78,137  | 18,538           | 19,692            | 20,038           | 19,869            |

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r Revised by 5 percent or more from previously reported data.

Table 4C. Quantity of Wheat Ground for Flour by Geographic Area: 1998 and 1997  
[1000 bushels]

| Geographic area            | Total   | First<br>quarter | Second<br>quarter | Third<br>quarter | Fourth<br>quarter |
|----------------------------|---------|------------------|-------------------|------------------|-------------------|
| 1998                       |         |                  |                   |                  |                   |
| United States . . . . .    | 895,369 | 215,485          | 216,591           | 224,713          | 238,580           |
| California and             |         |                  |                   |                  |                   |
| Hawaii . . . . .           | 68,407  | 17,019           | 16,922            | 16,873           | 17,593            |
| Florida . . . . .          | 21,134  | 5,116            | 4,715             | 5,288            | 6,015             |
| Georgia . . . . .          | (D)     | (D)              | (D)               | (D)              | (D)               |
| Illinois . . . . .         | 46,880  | 10,783           | 11,008            | 11,797           | 13,292            |
| Indiana . . . . .          | (D)     | (D)              | (D)               | (D)              | (D)               |
| Iowa . . . . .             | (D)     | (D)              | (D)               | (D)              | (D)               |
| Kansas . . . . .           | 88,831  | 20,747           | 20,878            | 22,832           | 24,374            |
| Michigan . . . . .         | 17,404  | 4,131            | 4,287             | 4,505            | 4,481             |
| Minnesota . . . . .        | 73,940  | 17,258           | 16,928            | 19,302           | 20,452            |
| Missouri . . . . .         | 58,740  | 14,091           | 14,658            | 14,696           | 15,295            |
| New York . . . . .         |         |                  |                   |                  |                   |
| North Carolina . . . . .   | 61,995  | 15,901           | 16,036            | 15,134           | 14,924            |
| Ohio . . . . .             | 25,492  | 5,909            | 6,242             | 6,667            | 6,674             |
| Oklahoma . . . . .         | 55,186  | 14,729           | 12,965            | 13,146           | 14,346            |
| Oregon and                 | 18,489  | r/ 4,552         | r/ 4,890          | r/ 4,381         | r/ 4,666          |
| Washington . . . . .       | 29,398  | 7,203            | r/ 7,053          | r/ 7,365         | 7,777             |
| Pennsylvania . . . . .     | 38,351  | 9,126            | 9,223             | 9,308            | 10,694            |
| Tennessee . . . . .        | 36,673  | 8,694            | 9,112             | 9,272            | 9,595             |
| Texas . . . . .            | 32,849  | 7,839            | 7,883             | 8,375            | 8,752             |
| All other states . . . . . | 162,967 | 38,266           | 39,595            | 41,010           | 44,096            |
| 1997                       |         |                  |                   |                  |                   |
| United States . . . . .    | 885,843 | 206,538          | 217,429           | 229,808          | 232,068           |
| California and             |         |                  |                   |                  |                   |
| Hawaii . . . . .           | 66,783  | 15,777           | 16,304            | 17,046           | 17,656            |
| Florida . . . . .          | 20,629  | 5,039            | 5,013             | 5,254            | 5,323             |
| Georgia . . . . .          | (D)     | (D)              | (D)               | (D)              | (D)               |
| Illinois . . . . .         | 44,789  | 10,308           | 10,734            | 11,604           | 12,143            |
| Indiana . . . . .          | (D)     | (D)              | (D)               | (D)              | (D)               |
| Iowa . . . . .             | (D)     | (D)              | (D)               | (D)              | (D)               |
| Kansas . . . . .           | 85,809  | 20,563           | 20,688            | 22,472           | 22,086            |
| Michigan . . . . .         | 17,702  | 3,979            | 4,334             | 4,632            | 4,757             |
| Minnesota . . . . .        | 76,196  | 18,360           | 18,225            | 19,383           | 20,228            |
| Missouri . . . . .         | 60,558  | 13,578           | 14,728            | 15,933           | 16,319            |
| New York . . . . .         |         |                  |                   |                  |                   |
| North Carolina . . . . .   | 62,636  | 14,325           | 15,388            | 16,482           | 16,441            |
| Ohio . . . . .             | 25,817  | 5,860            | 6,491             | 6,822            | 6,644             |
| Oklahoma . . . . .         | 53,192  | 11,644           | 12,863            | 14,183           | 14,502            |
| Oregon and                 | 19,590  | 4,532            | 4,766             | 4,997            | 5,295             |
| Washington . . . . .       | 29,895  | 7,146            | 7,533             | 7,647            | 7,569             |
| Pennsylvania . . . . .     | 36,074  | 8,398            | 9,121             | 9,221            | 9,334             |
| Tennessee . . . . .        | 35,731  | 8,288            | 8,585             | 9,448            | 9,410             |
| Texas . . . . .            | 33,510  | 8,013            | 8,280             | 8,568            | 8,649             |
| All other states . . . . . | 160,386 | 37,520           | 40,542            | 41,385           | 40,939            |

D Withheld to avoid disclosing data for individual companies.  
r Revised by 5 percent or more from previously reported data.

Table 5. Durum Wheat Products by Quarter: 1998 and 1997

|                             | Unit of<br>measure | Total  | First<br>quarter | Second<br>quarter | Third<br>quarter | Fourth<br>quarter |
|-----------------------------|--------------------|--------|------------------|-------------------|------------------|-------------------|
| 1998                        |                    |        |                  |                   |                  |                   |
| Durum wheat ground . .      | 1000 bushels....   | 58,395 | r/ 15,426        | r/ 13,733         | r/ 14,414        | r/ 14,822         |
| Straight semolina . . . . . | 1000 cwt. ....     | 27,056 | r/ 7,008         | r/ 6,358          | r/ 6,729         | r/ 6,961          |
| Blended semolina . . . . .  | 1000 cwt. ....     | (D)    | (D)              | (D)               | (D)              | (D)               |
| 1997                        |                    |        |                  |                   |                  |                   |
| Durum wheat ground . .      | 1000 bushels....   | 64,663 | 16,217           | 15,577            | 15,756           | 17,113            |
| Straight semolina . . . . . | 1000 cwt. ....     | 29,476 | 7,510            | 7,125             | 7,266            | 7,575             |
| Blended semolina . . . . .  | 1000 cwt. ....     | (D)    | -                | -                 | (D)              | (D)               |

- Represents zero.

D Data withheld to avoid disclosing data for individual companies.

r Revised by 5 percent or more from previously published data.