



## V.2. Service Delivery System - Artificial Insemination

**TABLE V.2.1: District-wise AI Performed by Government Agencies – Cattle**

| Districts        | Number of AI Performed ('000) |              |                |                |                |                |                |                |                |                |
|------------------|-------------------------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                  | 1994-95                       | 1997-98      | 2000-01        | 2003-04        | 2007-08        | 2008-09        | 2009-10        | 2010-11        | 2011-12        | 2012-13        |
| <b>KARNATAKA</b> | <b>1,083.0</b>                | <b>969.2</b> | <b>1,314.6</b> | <b>1,581.2</b> | <b>1,947.9</b> | <b>2,156.5</b> | <b>2,336.7</b> | <b>2,483.6</b> | <b>2,507.4</b> | <b>1,998.5</b> |
| Bagalkot         |                               |              | 11.4           | 18.1           | 53.8           | 59.0           | 62.7           | 72.6           | 78.8           | 56.3           |
| Bangalore Rural  | 98.2                          | 99.9         | 134.6          | 150.4          | 128.1          | 87.2           | 101.8          | 100.5          | 116.7          | 83.4           |
| Bangalore Urban  | 141.3                         | 122.3        | 146.9          | 113.8          | 110.3          | 115.9          | 125.9          | 141.9          | 125.7          | 65.4           |
| Belgaum          | 43.4                          | 48.4         | 107.9          | 78.6           | 127.5          | 157.3          | 180.5          | 168.2          | 155.2          | 139.3          |
| Bellary          | 12.9                          | 13.1         | 4.3            | 16.5           | 21.7           | 22.7           | 24.5           | 27.8           | 27.6           | 22.1           |
| Bidar            | 16.2                          | 11.1         | 7.1            | 13.1           | 16.4           | 16.2           | 19.3           | 21.0           | 22.4           | 13.3           |
| Bijapur          | 17.9                          | 14.8         | 9.0            | 9.9            | 16.0           | 17.8           | 21.2           | 20.0           | 25.8           | 20.0           |
| Chamarajanagar   |                               |              | 24.4           | 39.1           | 41.0           | 43.7           | 48.1           | 46.3           | 48.8           | 45.6           |
| Chikkaballapura  |                               |              |                |                |                | 104.7          | 106.9          | 143.9          | 168.9          | 126.6          |
| Chikmagalur      | 26.8                          | 25.9         | 36.2           | 38.9           | 71.4           | 75.2           | 83.4           | 87.7           | 52.5           | 56.4           |
| Chitradurga      | 50.4                          | 41.5         | 25.0           | 34.5           | 55.6           | 60.8           | 68.0           | 73.2           | 69.9           | 48.9           |
| Dakshina Kannada | 43.8                          | 49.0         | 39.9           | 49.9           | 55.0           | 54.4           | 56.7           | 57.4           | 57.2           | 46.9           |
| Davanagere       |                               |              | 62.7           | 78.1           | 114.6          | 117.4          | 124.4          | 135.9          | 142.3          | 99.9           |
| Dharwad          | 122.7                         | 92.6         | 43.7           | 46.6           | 56.3           | 51.1           | 62.8           | 69.4           | 78.6           | 47.6           |
| Gadag            |                               |              | 20.7           | 18.1           | 28.2           | 31.6           | 30.3           | 35.0           | 44.8           | 21.0           |
| Gulbarga         | 11.2                          | 6.8          | 1.8            | 8.6            | 15.4           | 17.7           | 18.6           | 17.1           | 9.4            | 6.3            |
| Hassan           | 66.2                          | 62.5         | 83.0           | 142.1          | 140.3          | 188.8          | 187.7          | 196.7          | 189.7          | 152.7          |
| Haveri           |                               |              | 50.2           | 53.4           | 70.3           | 73.2           | 72.9           | 81.2           | 88.4           | 68.5           |
| Kodagu           | 10.8                          | 9.1          | 10.4           | 13.8           | 17.2           | 21.2           | 21.6           | 21.6           | 20.9           | 14.0           |
| Kolar            | 94.3                          | 98.6         | 139.0          | 185.3          | 212.9          | 112.6          | 117.3          | 126.4          | 134.8          | 112.0          |
| Koppal           |                               |              | 8.0            | 10.3           | 17.6           | 21.1           | 18.1           | 21.8           | 28.3           | 24.9           |
| Mandya           | 58.1                          | 62.4         | 85.1           | 126.7          | 115.3          | 107.3          | 118.9          | 144.7          | 154.6          | 142.8          |
| Mysore           | 105.6                         | 74.7         | 82.3           | 102.8          | 106.7          | 116.1          | 118.9          | 114.1          | 121.1          | 124.9          |
| Raichur          | 13.0                          | 11.5         | 3.1            | 4.2            | 8.6            | 7.8            | 9.2            | 9.7            | 9.2            | 7.7            |
| Ramanagara       |                               |              |                |                |                | 107.2          | 123.2          | 113.9          | 89.3           | 61.9           |
| Shimoga          | 54.2                          | 55.5         | 86.8           | 60.2           | 86.4           | 93.8           | 106.7          | 104.4          | 94.0           | 80.4           |
| Tumkur           | 62.2                          | 53.8         | 71.1           | 107.1          | 183.7          | 190.2          | 222.1          | 238.7          | 249.6          | 228.8          |
| Udupi            |                               |              | 3.6            | 43.1           | 51.8           | 58.5           | 58.1           | 65.2           | 72.4           | 53.1           |
| Uttara Kannada   | 33.2                          | 15.9         | 16.4           | 18.3           | 25.6           | 26.2           | 27.1           | 27.3           | 29.7           | 25.0           |
| Yadgir           |                               |              |                |                |                |                |                |                | 0.7            | 2.8            |

SOURCE: Integrated Sample Survey Reports, Directorate of Animal Husbandry and Veterinary Services, Govt. of Karnataka.



## V.2. Service Delivery System - Artificial Insemination

**TABLE V.2.2: District-wise AI Performed by Government Agencies – Buffaloes**

| Districts        | Number of AI Performed ('000) |              |              |              |              |              |              |              |              |              |
|------------------|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                  | 1994-95                       | 1997-98      | 2000-01      | 2003-04      | 2007-08      | 2008-09      | 2009-10      | 2010-11      | 2011-12      | 2012-13      |
| <b>KARNATAKA</b> | <b>382.2</b>                  | <b>295.7</b> | <b>469.9</b> | <b>517.9</b> | <b>644.4</b> | <b>696.9</b> | <b>713.0</b> | <b>681.9</b> | <b>628.9</b> | <b>369.6</b> |
| Bagalkot         |                               |              | 10.1         | 18.7         | 42.8         | 46.9         | 45.7         | 53.8         | 57.7         | 26.2         |
| Bangalore Rural  | 16.7                          | 13.4         | 17.4         | 17.9         | 11.8         | 7.3          | 6.6          | 7.8          | 7.2          | 1.9          |
| Bangalore Urban  | 9.9                           | 5.6          | 6.5          | 5.0          | 4.3          | 3.8          | 3.8          | 3.7          | 2.4          | 0.1          |
| Belgaum          | 43.0                          | 51.3         | 148.8        | 114.9        | 164          | 196.6        | 212.0        | 170.8        | 177.3        | 108.0        |
| Bellary          | 8.2                           | 8.0          | 1.9          | 10.9         | 13.7         | 15.1         | 15.1         | 13.1         | 12.2         | 9.0          |
| Bidar            | 13.4                          | 7.7          | 5.0          | 9.4          | 10.7         | 11.4         | 12.5         | 13.9         | 14.8         | 6.0          |
| Bijapur          | 15.4                          | 10.5         | 8.6          | 10.0         | 15.0         | 16.9         | 16.8         | 13.2         | 18.7         | 13.0         |
| Chamarajanagar   |                               |              | 3.0          | 3.7          | 2.5          | 3.2          | 2.7          | 2.6          | 2.6          | 1.6          |
| Chikkaballapura  |                               |              |              |              |              | 13.7         | 13.4         | 13.0         | 10.7         | 6.2          |
| Chikmagalur      | 7.9                           | 8.6          | 9.8          | 9.9          | 15.0         | 15.1         | 15.0         | 13.6         | 8.8          | 5.1          |
| Chitradurga      | 21.4                          | 19.4         | 13.1         | 19.3         | 25.5         | 26.4         | 30.6         | 28.4         | 26.2         | 14.7         |
| Dakshina Kannada | 3.9                           | 4.1          | 2.0          | 1.8          | 0.8          | 0.9          | 0.5          | 0.7          | 0.4          | 0.3          |
| Davanagere       |                               |              | 22.7         | 30.5         | 44.6         | 41.9         | 42.9         | 45.4         | 41.0         | 16.1         |
| Dharwad          | 40.5                          | 35.0         | 18.4         | 22.8         | 25.0         | 24.5         | 29.1         | 28.4         | 31.0         | 17.8         |
| Gadag            |                               |              | 9.9          | 11.6         | 17.0         | 17.7         | 17.6         | 17.1         | 17.4         | 6.7          |
| Gulbarga         | 3.6                           | 5.4          | 1.7          | 9.1          | 11.4         | 14.1         | 13.4         | 11.1         | 4.3          | 3.8          |
| Hassan           | 20.6                          | 17.0         | 24.1         | 32.4         | 29.9         | 33.7         | 31.7         | 33.1         | 21.4         | 10.5         |
| Haveri           |                               |              | 22.1         | 25.7         | 31.2         | 32.9         | 32.3         | 34.7         | 33.0         | 25.0         |
| Kodagu           | 1.3                           | 0.7          | 1.0          | 1.3          | 1.4          | 1.5          | 1.5          | 1.4          | 1.2          | 0.1          |
| Kolar            | 13.9                          | 13.0         | 19.7         | 25.1         | 23.7         | 10.8         | 10.6         | 12.7         | 11.9         | 5.1          |
| Koppal           |                               |              | 5.8          | 6.8          | 9.8          | 11.5         | 10.3         | 10.5         | 13.7         | 8.8          |
| Mandya           | 20.9                          | 19.6         | 25.8         | 35.9         | 30.6         | 26.6         | 23.8         | 22.8         | 16.9         | 7.8          |
| Mysore           | 14.4                          | 6.9          | 6.8          | 7.6          | 7.2          | 7.1          | 6.3          | 6.1          | 5.0          | 4.3          |
| Raichur          | 16.6                          | 13.6         | 5.0          | 6.5          | 9.5          | 10.5         | 11.1         | 11.2         | 8.8          | 4.5          |
| Ramanagara       |                               |              |              |              |              | 11.9         | 11.0         | 13.5         | 9.6          | 5.4          |
| Shimoga          | 27.1                          | 18.8         | 30.6         | 19.3         | 25.4         | 25.8         | 25.7         | 26.7         | 16.8         | 11.0         |
| Tumkur           | 32.0                          | 28.1         | 39.6         | 48.3         | 54.7         | 51.8         | 53.5         | 55.7         | 40.8         | 35.4         |
| Udupi            |                               |              | 0.2          | 1.4          | 1.0          | 0.9          | 1.1          | 0.9          | 0.5          | 0.4          |
| Uttara Kannada   | 51.2                          | 9.1          | 10.6         | 12.4         | 15.9         | 16.5         | 16.5         | 15.9         | 15.9         | 10.9         |
| Yadgir           |                               |              |              |              |              |              |              |              | 0.5          | 3.8          |

SOURCE: Integrated Sample Survey Reports, Directorate of Animal Husbandry and Veterinary Services, Govt. of Karnataka.



## V.2. Service Delivery System - Artificial Insemination

**TABLE V.2.3: District-wise AI Performed by Government Agencies – Bovine**

| Districts        | Number of AI Performed ('000) |                |                |                |                |                |                |                |                |                |
|------------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                  | 1994-95                       | 1997-98        | 2000-01        | 2003-04        | 2007-08        | 2008-09        | 2009-10        | 2010-11        | 2011-12        | 2012-13        |
| <b>KARNATAKA</b> | <b>1,465.2</b>                | <b>1,264.9</b> | <b>1,784.5</b> | <b>2,099.1</b> | <b>2,592.3</b> | <b>2,853.4</b> | <b>3,049.7</b> | <b>3,165.5</b> | <b>3,136.3</b> | <b>2,368.1</b> |
| Bagalkot         |                               |                | 21.5           | 36.8           | 96.6           | 105.9          | 108.4          | 126.4          | 136.5          | 82.5           |
| Bangalore Rural  | 114.9                         | 113.3          | 152.0          | 168.3          | 139.9          | 94.5           | 108.4          | 108.3          | 123.9          | 85.3           |
| Bangalore Urban  | 151.2                         | 127.9          | 153.4          | 118.8          | 114.6          | 119.7          | 129.7          | 145.6          | 128.1          | 65.5           |
| Belgaum          | 86.4                          | 99.7           | 256.7          | 193.5          | 291.5          | 353.9          | 392.5          | 339.0          | 332.5          | 247.3          |
| Bellary          | 21.1                          | 21.1           | 6.2            | 27.4           | 35.4           | 37.8           | 39.6           | 40.9           | 39.8           | 31.1           |
| Bidar            | 29.6                          | 18.8           | 12.1           | 22.5           | 27.1           | 27.6           | 31.8           | 34.9           | 37.2           | 19.3           |
| Bijapur          | 33.3                          | 25.3           | 17.6           | 19.9           | 31.0           | 34.7           | 38.0           | 33.2           | 44.5           | 33.0           |
| Chamarajanagar   |                               |                | 27.4           | 42.8           | 43.5           | 46.9           | 50.8           | 48.9           | 51.4           | 47.2           |
| Chikkaballapura  |                               |                |                |                |                | 118.4          | 120.3          | 156.9          | 179.6          | 132.8          |
| Chikmagalur      | 34.7                          | 34.5           | 46.0           | 48.8           | 86.4           | 90.3           | 98.4           | 101.3          | 61.3           | 61.5           |
| Chitradurga      | 71.8                          | 60.9           | 38.1           | 53.8           | 81.1           | 87.2           | 98.6           | 101.6          | 96.1           | 63.6           |
| Dakshina Kannada | 47.7                          | 53.1           | 41.9           | 51.7           | 55.8           | 55.3           | 57.2           | 58.1           | 57.6           | 47.2           |
| Davanagere       |                               |                | 85.4           | 108.6          | 159.2          | 159.3          | 167.3          | 181.3          | 183.3          | 116.0          |
| Dharwad          | 163.2                         | 127.6          | 62.1           | 69.4           | 81.3           | 75.6           | 91.9           | 97.8           | 109.6          | 65.4           |
| Gadag            |                               |                | 30.6           | 29.7           | 45.2           | 49.3           | 47.9           | 52.1           | 62.2           | 27.7           |
| Gulbarga         | 14.8                          | 12.2           | 3.5            | 17.7           | 26.8           | 31.8           | 32.0           | 28.2           | 13.7           | 10.1           |
| Hassan           | 86.8                          | 79.5           | 107.1          | 174.5          | 170.2          | 222.5          | 219.4          | 229.8          | 211.1          | 163.2          |
| Haveri           |                               |                | 72.3           | 79.1           | 101.5          | 106.1          | 105.2          | 115.9          | 121.4          | 93.5           |
| Kodagu           | 12.1                          | 9.8            | 11.4           | 15.1           | 18.6           | 22.7           | 23.1           | 23.0           | 22.1           | 14.1           |
| Kolar            | 108.2                         | 111.6          | 158.7          | 210.4          | 236.6          | 123.4          | 127.9          | 139.1          | 146.7          | 117.1          |
| Koppal           |                               |                | 13.8           | 17.1           | 27.4           | 32.6           | 28.4           | 32.3           | 42.0           | 33.7           |
| Mandya           | 79.0                          | 82.0           | 110.9          | 162.6          | 145.9          | 133.9          | 142.7          | 167.5          | 171.5          | 150.6          |
| Mysore           | 120.0                         | 81.6           | 89.1           | 110.4          | 113.9          | 123.2          | 125.2          | 120.2          | 126.1          | 129.2          |
| Raichur          | 29.6                          | 25.1           | 8.1            | 10.7           | 18.1           | 18.3           | 20.3           | 20.9           | 18.0           | 12.2           |
| Ramanagara       |                               |                |                |                |                | 119.1          | 134.2          | 127.4          | 98.9           | 67.3           |
| Shimoga          | 81.3                          | 74.3           | 117.4          | 79.5           | 111.8          | 119.6          | 132.4          | 131.1          | 110.8          | 91.4           |
| Tumkur           | 94.2                          | 81.9           | 110.7          | 155.4          | 238.4          | 242.0          | 275.6          | 294.4          | 290.4          | 264.2          |
| Udupi            |                               |                | 3.8            | 44.5           | 52.8           | 59.4           | 59.2           | 66.1           | 72.9           | 53.5           |
| Uttara Kannada   | 84.4                          | 25.0           | 27.0           | 30.7           | 41.5           | 42.7           | 43.6           | 43.2           | 45.6           | 35.9           |
| Yadgir           |                               |                |                |                |                |                |                |                | 1.2            | 6.6            |

SOURCE: Integrated Sample Survey Reports, Directorate of Animal Husbandry and Veterinary Services, Govt. of Karnataka.



## V.2. Service Delivery System - Artificial Insemination

**TABLE V.2.4: Union-wise AI Performed by Cooperatives – Bovine**

| Unions           | Number of AI Performed ('000) |                |                |                |                |                |                |                |                |
|------------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                  | 2001-02                       | 2003-04        | 2007-08        | 2008-09        | 2009-10        | 2010-11        | 2011-12        | 2012-13        | 2013-14        |
| <b>KARNATAKA</b> | <b>1,012.8</b>                | <b>1,153.7</b> | <b>1,644.3</b> | <b>1,898.4</b> | <b>2,035.4</b> | <b>2,271.7</b> | <b>2,473.0</b> | <b>2,750.6</b> | <b>2,765.5</b> |
| Bangalore        | 209.6                         | 250.4          | 280.7          | 305.0          | 313.6          | 341.1          | 381.7          | 394.0          | 394.7          |
| Belgaum          | 55.4                          | 59.9           | 83.4           | 117.6          | 126.2          | 137.9          | 126.4          | 152.0          | 148.3          |
| Bijapur          | 17.6                          | 19.6           | 32.0           | 21.8           | 37.5           | 43.7           | 51.1           | 62.8           | 63.7           |
| Dakshina Kannada | 111.7                         | 124.1          | 164.7          | 164.5          | 169.2          | 176.9          | 183.0          | 200.3          | 207.6          |
| Dharwad          | 47.7                          | 53.2           | 65.1           | 68.7           | 67.9           | 87.8           | 99.9           | 112.0          | 116.0          |
| Gulbarga         | 7.5                           | 9.4            | 11.3           | 11.6           | 12.6           | 14.1           | 15.8           | 19.4           | 21.4           |
| Hassan           | 65.5                          | 70.8           | 185.9          | 254.6          | 284.7          | 312.1          | 331.4          | 351.9          | 353.2          |
| Kolar            | 150.6                         | 180.0          | 221.2          | 235.4          | 248.3          | 271.1          | 277.4          | 331.9          | 358.4          |
| Mandya           | 105.2                         | 121.8          | 207.3          | 243.8          | 260.4          | 281.6          | 316.6          | 349.3          | 357.6          |
| Mysore           | 114.7                         | 118.9          | 177.2          | 210.7          | 231.5          | 273.9          | 315.1          | 344.2          | 337.8          |
| Raichur          | 24.0                          | 28.3           | 37.5           | 37.2           | 36.8           | 41.6           | 44.7           | 56.3           | 59.6           |
| Shimoga          | 54.5                          | 53.6           | 74.3           | 108.0          | 103.2          | 111.5          | 116.2          | 147.3          | 147.7          |
| Tumkur           | 48.7                          | 64.0           | 103.8          | 119.6          | 143.4          | 178.4          | 213.6          | 229.4          | 199.5          |

SOURCE: Cooperative Milk Unions, Karnataka.





## V.2. Service Delivery System - Artificial Insemination

**TABLE V.2.5: District-wise AI Performed by BAIF – Bovine**

| Districts        | Number of AI Performed |                |                |                |                |
|------------------|------------------------|----------------|----------------|----------------|----------------|
|                  | 2010-11                | 2011-12        | 2012-13        | 2013-14        | 2014-15        |
| <b>KARNATAKA</b> | <b>127,572</b>         | <b>176,996</b> | <b>213,510</b> | <b>163,226</b> | <b>126,663</b> |
| Bagalkot         | 14,795                 | 23,149         | 24,519         | 22,447         | 17,443         |
| Bangalore Rural  | 0                      | 0              | 0              | 0              | 0              |
| Bangalore Urban  | 0                      | 0              | 0              | 0              | 0              |
| Belgaum          | 5,032                  | 6,011          | 7,556          | 4,604          | 2,039          |
| Bellary          | 4,935                  | 11,178         | 15,290         | 16,308         | 14,003         |
| Bidar            | 8,912                  | 12,923         | 16,592         | 10,524         | 5,960          |
| Bijapur          | 2,555                  | 4,705          | 6,332          | 6,247          | 4,270          |
| Chamarajanagar   | 3,039                  | 3,773          | 3,658          | 1,646          | 984            |
| Chikmagalur      | 3,068                  | 4,117          | 5,018          | 1,949          | 597            |
| Chikkaballapura  | 0                      | 0              | 0              | 2,336          | 3,903          |
| Chitradurga      | 8,381                  | 8,367          | 9,545          | 3,206          | 3,631          |
| Dakshina Kannada | 0                      | 0              | 0              | 0              | 0              |
| Davanagere       | 4,081                  | 3,505          | 2,848          | 938            | 0              |
| Dharwad          | 4,809                  | 4,348          | 4,372          | 2,195          | 1,243          |
| Gadag            | 5,866                  | 9,459          | 11,519         | 9,986          | 4,793          |
| Gulbarga         | 7,973                  | 11,388         | 13,624         | 7,695          | 9,120          |
| Hassan           | 4,569                  | 5,466          | 9,216          | 4,915          | 3,917          |
| Haveri           | 6,346                  | 5,335          | 5,724          | 2,347          | 1,342          |
| Kodagu           | 0                      | 0              | 0              | 0              | 0              |
| Kolar            | 0                      | 0              | 0              | 0              | 0              |
| Koppal           | 6,104                  | 11,259         | 14,608         | 12,962         | 12,130         |
| Mandya           | 3,535                  | 4,046          | 4,264          | 1,595          | 1,798          |
| Mysore           | 13,543                 | 21,132         | 25,499         | 21,634         | 18,996         |
| Raichur          | 3,553                  | 9,712          | 13,270         | 16,158         | 10,909         |
| Ramanagara       | 0                      | 0              | 0              | 0              | 0              |
| Shimoga          | 0                      | 0              | 0              | 0              | 0              |
| Tumkur           | 7,345                  | 8,241          | 8,653          | 2,636          | 1,587          |
| Udupi            | 0                      | 0              | 0              | 0              | 0              |
| Uttara Kannada   | 8,738                  | 6,726          | 7,971          | 6,673          | 5,002          |
| Yadgir           | 393                    | 2,156          | 3,432          | 4,225          | 2,996          |

NOTE: Data for 2014-15 is for April to December 2014.

SOURCE: Bharatiya Agro Industries Foundation (BAIF).