

**TABLE 21: NUTRITIONAL VALUES OF WHITE AND YELLOW MAIZE (2016/2017)**

| Number of samples | Region            | Fat % (db) |            |            | Protein % (db) |            |             | Starch % (db) |             |             |
|-------------------|-------------------|------------|------------|------------|----------------|------------|-------------|---------------|-------------|-------------|
|                   |                   | ave.       | min.       | max.       | ave.           | min.       | max.        | ave.          | min.        | max.        |
| <b>WHITE</b>      |                   |            |            |            |                |            |             |               |             |             |
| 2                 | Region 10         | 3.9        | 3.9        | 3.9        | 9.0            | 9.0        | 9.1         | 74.2          | 74.2        | 74.2        |
| 1                 | Region 11         | 4.0        | -          | -          | 9.1            | -          | -           | 73.7          | -           | -           |
| 17                | Region 12         | 4.3        | 3.9        | 5.1        | 8.5            | 7.6        | 9.8         | 74.4          | 72.6        | 75.4        |
| 30                | Region 13         | 4.2        | 3.4        | 5.1        | 8.5            | 7.0        | 10.0        | 74.2          | 71.5        | 75.3        |
| 31                | Region 14         | 4.1        | 3.8        | 4.4        | 8.5            | 7.3        | 9.0         | 74.5          | 73.5        | 75.0        |
| 4                 | Region 15         | 3.8        | 3.7        | 4.0        | 8.6            | 8.3        | 8.9         | 74.2          | 73.6        | 74.9        |
| 21                | Region 17         | 4.2        | 3.8        | 4.6        | 8.3            | 6.8        | 8.8         | 74.6          | 73.5        | 75.8        |
| 7                 | Region 18         | 4.1        | 3.9        | 4.4        | 8.1            | 7.8        | 8.7         | 74.6          | 73.9        | 75.2        |
| 24                | Region 19         | 4.2        | 3.9        | 4.6        | 8.4            | 7.2        | 9.0         | 74.3          | 73.4        | 75.3        |
| 24                | Region 20         | 4.1        | 3.8        | 4.5        | 8.4            | 7.8        | 9.1         | 74.6          | 73.8        | 75.9        |
| 57                | Region 21         | 4.2        | 3.8        | 4.8        | 8.7            | 8.0        | 9.5         | 74.1          | 72.7        | 75.4        |
| 31                | Region 22         | 4.0        | 3.6        | 4.4        | 8.8            | 8.1        | 9.7         | 74.0          | 72.3        | 75.3        |
| 17                | Region 23         | 4.0        | 3.7        | 4.2        | 8.6            | 7.9        | 9.0         | 74.3          | 73.2        | 75.7        |
| 16                | Region 24         | 4.1        | 3.9        | 4.5        | 8.4            | 7.5        | 9.0         | 74.4          | 73.4        | 75.5        |
| 4                 | Region 25         | 4.2        | 3.9        | 4.3        | 8.8            | 7.8        | 9.7         | 74.0          | 73.6        | 74.9        |
| 22                | Region 26         | 4.2        | 3.7        | 4.9        | 8.5            | 7.8        | 10.2        | 74.4          | 72.2        | 75.6        |
| 21                | Region 28         | 4.3        | 3.8        | 4.6        | 8.8            | 7.5        | 9.6         | 74.0          | 73.1        | 75.6        |
| 30                | Region 29         | 4.2        | 3.8        | 5.0        | 9.1            | 8.0        | 11.5        | 73.6          | 70.8        | 74.8        |
| 21                | Region 30         | 4.2        | 3.9        | 4.4        | 8.8            | 7.5        | 9.8         | 73.9          | 72.1        | 75.5        |
| 18                | Region 31         | 4.2        | 3.8        | 4.8        | 9.0            | 8.4        | 10.2        | 73.8          | 72.5        | 74.4        |
| 28                | Region 32         | 4.1        | 3.9        | 4.7        | 8.7            | 8.0        | 9.7         | 73.9          | 72.1        | 75.2        |
| 45                | Region 33         | 4.3        | 4.0        | 5.2        | 9.0            | 7.9        | 11.0        | 73.6          | 69.8        | 74.7        |
| 39                | Region 34         | 4.2        | 3.8        | 5.3        | 8.7            | 7.8        | 9.9         | 74.1          | 72.6        | 75.6        |
| 9                 | Region 35         | 4.1        | 3.7        | 4.5        | 8.8            | 8.2        | 9.7         | 73.7          | 72.5        | 74.9        |
| 30                | Region 36         | 4.2        | 3.8        | 4.8        | 8.9            | 7.8        | 10.2        | 73.8          | 72.3        | 75.0        |
| <b>549</b>        | <b>Ave. white</b> | <b>4.2</b> |            |            | <b>8.7</b>     |            |             | <b>74.1</b>   |             |             |
|                   | <b>Min. white</b> |            | <b>3.4</b> |            |                | <b>6.8</b> |             |               | <b>69.8</b> |             |
|                   | <b>Max. white</b> |            |            | <b>5.3</b> |                |            | <b>11.5</b> |               |             | <b>75.9</b> |
| <b>YELLOW</b>     |                   |            |            |            |                |            |             |               |             |             |
| 3                 | Region 12         | 4.0        | 3.9        | 4.2        | 8.4            | 7.9        | 8.9         | 75.3          | 74.7        | 76.2        |
| 6                 | Region 13         | 4.0        | 3.8        | 4.4        | 9.4            | 8.8        | 10.3        | 74.2          | 72.8        | 75.5        |
| 8                 | Region 14         | 4.1        | 3.9        | 4.5        | 8.8            | 8.5        | 9.9         | 74.1          | 72.2        | 75.1        |
|                   | Region 15         | -          | -          | -          | -              | -          | -           | -             | -           | -           |
| 4                 | Region 17         | 4.0        | 3.7        | 4.2        | 8.7            | 8.1        | 9.0         | 74.6          | 73.5        | 76.0        |
| 3                 | Region 18         | 4.1        | 4.1        | 4.2        | 8.7            | 8.2        | 9.1         | 74.4          | 74.2        | 74.8        |
| 6                 | Region 19         | 4.1        | 3.9        | 4.5        | 8.7            | 8.2        | 9.9         | 73.9          | 72.6        | 74.9        |
| 9                 | Region 20         | 4.0        | 3.6        | 4.2        | 9.0            | 8.2        | 9.8         | 73.9          | 72.5        | 75.2        |
| 11                | Region 21         | 4.3        | 4.0        | 4.7        | 9.2            | 8.7        | 10.2        | 73.4          | 72.0        | 74.4        |
| 3                 | Region 22         | 4.4        | 4.1        | 4.8        | 9.2            | 8.1        | 10.1        | 73.5          | 71.7        | 75.7        |
| 4                 | Region 23         | 4.4        | 4.1        | 4.9        | 9.7            | 9.1        | 10.0        | 72.7          | 71.5        | 74.2        |
| 3                 | Region 24         | 4.2        | 4.1        | 4.2        | 9.3            | 8.6        | 9.8         | 73.9          | 73.5        | 74.8        |
| 26                | Region 25         | 4.0        | 3.8        | 4.4        | 8.6            | 8.1        | 9.5         | 73.9          | 72.9        | 74.7        |
| 36                | Region 26         | 4.2        | 3.9        | 4.8        | 8.6            | 7.1        | 10.2        | 73.6          | 72.2        | 74.9        |
| 33                | Region 28         | 4.1        | 3.7        | 4.6        | 9.1            | 8.1        | 10.3        | 73.4          | 71.5        | 74.6        |
| 35                | Region 30         | 4.2        | 3.5        | 4.8        | 8.7            | 7.5        | 9.8         | 73.6          | 71.5        | 75.2        |

**TABLE 21: NUTRITIONAL VALUES OF WHITE AND YELLOW  
MAIZE (2016/2017) (continue)**

| Number<br>of<br>samples | Region                         | Fat<br>% (db) |            |            | Protein<br>% (db) |            |             | Starch<br>% (db) |             |             |
|-------------------------|--------------------------------|---------------|------------|------------|-------------------|------------|-------------|------------------|-------------|-------------|
|                         |                                | ave.          | min.       | max.       | ave.              | min.       | max.        | ave.             | min.        | max.        |
| <b>YELLOW</b>           |                                |               |            |            |                   |            |             |                  |             |             |
| 14                      | Region 31                      | 4.0           | 3.7        | 4.4        | 8.7               | 8.2        | 9.4         | 73.9             | 73.3        | 74.6        |
| 26                      | Region 32                      | 4.1           | 3.7        | 4.6        | 8.9               | 7.9        | 10.1        | 73.7             | 72.2        | 74.8        |
| 27                      | Region 33                      | 4.1           | 3.3        | 4.6        | 9.4               | 7.8        | 10.5        | 72.9             | 71.3        | 74.7        |
| 40                      | Region 34                      | 4.2           | 3.5        | 4.8        | 8.8               | 7.5        | 10.8        | 73.7             | 71.3        | 75.0        |
| 10                      | Region 35                      | 4.3           | 4.0        | 5.1        | 8.8               | 8.0        | 10.8        | 73.7             | 72.2        | 74.4        |
| 28                      | Region 36                      | 4.0           | 3.6        | 4.7        | 8.6               | 7.4        | 10.0        | 73.9             | 72.2        | 74.9        |
| <b>451</b>              | <b>Ave. yellow</b>             | <b>4.1</b>    |            |            | <b>8.9</b>        |            |             | <b>73.7</b>      |             |             |
|                         | <b>Min. yellow</b>             |               | <b>3.3</b> |            |                   | <b>7.1</b> |             |                  | <b>71.3</b> |             |
|                         | <b>Max. yellow</b>             |               |            | <b>5.1</b> |                   |            | <b>10.8</b> |                  |             | <b>76.2</b> |
| <b>WHITE AND YELLOW</b> |                                |               |            |            |                   |            |             |                  |             |             |
| 39                      | Region 10                      | 3.6           | 3.3        | 4.2        | 8.5               | 8.0        | 10.1        | 74.5             | 73.4        | 75.3        |
| 5                       | Region 11                      | 3.5           | 3.3        | 4.0        | 8.7               | 8.3        | 9.1         | 74.5             | 73.7        | 75.0        |
| 20                      | Region 12                      | 4.2           | 3.9        | 5.1        | 8.5               | 7.6        | 9.8         | 74.5             | 72.6        | 76.2        |
| 36                      | Region 13                      | 4.2           | 3.4        | 5.1        | 8.7               | 7.0        | 10.3        | 74.2             | 71.5        | 75.5        |
| 39                      | Region 14                      | 4.1           | 3.8        | 4.5        | 8.6               | 7.3        | 9.9         | 74.4             | 72.2        | 75.1        |
| 4                       | Region 15                      | 3.8           | 3.7        | 4.0        | 8.6               | 8.3        | 8.9         | 74.2             | 73.6        | 74.9        |
| 25                      | Region 17                      | 4.2           | 3.7        | 4.6        | 8.4               | 6.8        | 9.0         | 74.6             | 73.5        | 76.0        |
| 10                      | Region 18                      | 4.1           | 3.9        | 4.4        | 8.3               | 7.8        | 9.1         | 74.6             | 73.9        | 75.2        |
| 30                      | Region 19                      | 4.2           | 3.9        | 4.6        | 8.5               | 7.2        | 9.9         | 74.2             | 72.6        | 75.3        |
| 33                      | Region 20                      | 4.1           | 3.6        | 4.5        | 8.6               | 7.8        | 9.8         | 74.4             | 72.5        | 75.9        |
| 68                      | Region 21                      | 4.2           | 3.8        | 4.8        | 8.8               | 8.0        | 10.2        | 74.0             | 72.0        | 75.4        |
| 34                      | Region 22                      | 4.1           | 3.6        | 4.8        | 8.8               | 8.1        | 10.1        | 73.9             | 71.7        | 75.7        |
| 21                      | Region 23                      | 4.1           | 3.7        | 4.9        | 8.8               | 7.9        | 10.0        | 74.0             | 71.5        | 75.7        |
| 19                      | Region 24                      | 4.1           | 3.9        | 4.5        | 8.5               | 7.5        | 9.8         | 74.3             | 73.4        | 75.5        |
| 30                      | Region 25                      | 4.0           | 3.8        | 4.4        | 8.6               | 7.8        | 9.7         | 73.9             | 72.9        | 74.9        |
| 58                      | Region 26                      | 4.2           | 3.7        | 4.9        | 8.6               | 7.1        | 10.2        | 73.9             | 72.2        | 75.6        |
| 54                      | Region 28                      | 4.2           | 3.7        | 4.6        | 9.0               | 7.5        | 10.3        | 73.6             | 71.5        | 75.6        |
| 105                     | Region 29                      | 4.2           | 3.7        | 5.0        | 9.1               | 7.7        | 11.5        | 73.4             | 70.8        | 74.8        |
| 56                      | Region 30                      | 4.2           | 3.5        | 4.8        | 8.8               | 7.5        | 9.8         | 73.7             | 71.5        | 75.5        |
| 32                      | Region 31                      | 4.1           | 3.7        | 4.8        | 8.9               | 8.2        | 10.2        | 73.9             | 72.5        | 74.6        |
| 54                      | Region 32                      | 4.1           | 3.7        | 4.7        | 8.8               | 7.9        | 10.1        | 73.8             | 72.1        | 75.2        |
| 72                      | Region 33                      | 4.2           | 3.3        | 5.2        | 9.2               | 7.8        | 11.0        | 73.4             | 69.8        | 74.7        |
| 79                      | Region 34                      | 4.2           | 3.5        | 5.3        | 8.7               | 7.5        | 10.8        | 73.9             | 71.3        | 75.6        |
| 19                      | Region 35                      | 4.2           | 3.7        | 5.1        | 8.8               | 8.0        | 10.8        | 73.7             | 72.2        | 74.9        |
| 58                      | Region 36                      | 4.1           | 3.6        | 4.8        | 8.8               | 7.4        | 10.2        | 73.8             | 72.2        | 75.0        |
| <b>1000</b>             | <b>Ave. white &amp; yellow</b> | <b>4.1</b>    |            |            | <b>8.8</b>        |            |             | <b>73.9</b>      |             |             |
|                         | <b>Min. white &amp; yellow</b> |               | <b>3.3</b> |            |                   | <b>6.8</b> |             |                  | <b>69.8</b> |             |
|                         | <b>Max. white &amp; yellow</b> |               |            | <b>5.3</b> |                   |            | <b>11.5</b> |                  |             | <b>76.2</b> |