

## 2022 FORAGE MAIZE DESCRIPTIVE LIST

### First choice varieties for favourable sites (varieties ranked in dry matter yield order)

| VARIETY                    | Dry matter content at harvest (%) | Dry matter yield (t/ha) | Dry matter yield (% of 4 and 5 year varieties) | ME of fresh plant at harvest (MJ/kg dry matter) | ME yield of fresh plant at harvest ('000s MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest (t/ha) | Cell wall digestibility (%) | Early vigour (1-9) | Standing power at harvest (root lodging) (1-9) | Lodging (%) # | Brackling (%) # | Leaf senescence (1-9) | Eyespot rating (1-9) | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|--|--|---|-----------------------------|--------------------|--|---------------|-----------------|-----------------------|----------------------|-------------------|
| RESOLUTE                   | 32.9                              | 19.1                    | 105  | 11.78   | 224  | 33.5   | 6.39  | 59.6                        | 7.6                | 7.8  | 1.1           | 0.2             | 7.5                   | 4.1                  | 2020              |
| SMOOTH CS                  | 29.4                              | 19.0                    | 105  | 11.40   | 217  | 29.6   | 5.63  | 58.2                        | 7.0                | 7.6  | 1.4           | 0.1             | 7.3                   | 7.7                  | 2019              |
| KWS EXELON                 | 34.2                              | 18.9                    | 105  | 11.73   | 222  | 34.1   | 6.45  | 58.6                        | 7.4                | 7.3  | 2.2           | 0.6             | 6.6                   | 8.7                  | 2021              |
| FARMUNOX                   | 31.8                              | 18.9                    | 104  | 11.69   | 221  | 32.9   | 6.20  | 58.4                        | 7.0                | 7.1  | 2.7           | 1.4             | 7.5                   | 8.1                  | 2020              |
| LG31211                    | 31.3                              | 18.8                    | 104  | 11.81   | 222  | 31.1   | 5.85  | 60.8                        | 7.6                | 6.5  | 3.9           | 0.1             | 7.5                   | 5.0                  | 2017              |
| ABILITY                    | 32.9                              | 18.8                    | 104  | 11.72   | 220  | 31.3   | 5.87  | 60.1                        | 7.5                | 8.0  | 0.6           | 0.4             | 7.2                   | 6.3                  | 2020              |
| ABRISSE                    | 31.6                              | 18.7                    | 104  | 11.52   | 216  | 30.9   | 5.79  | 58.8                        | 7.0                | 8.0  | 0.7           | 0.3             | 7.0                   | 8.4                  | 2019              |
| ABSALON                    | 32.5                              | 18.7                    | 103  | 11.78   | 220  | 32.4   | 6.05  | 60.2                        | 7.3                | 8.0  | 0.5           | 0.1             | 7.1                   | 6.2                  | 2017              |
| CRANBERRI CS               | 30.5                              | 18.7                    | 103  | 11.60   | 217  | 29.9   | 5.58  | 60.0                        | 7.2                | 6.8  | 3.3           | 0.5             | 7.4                   | 6.8                  | 2018              |
| GATSBY                     | 32.3                              | 18.7                    | 103  | 11.68   | 218  | 32.7   | 6.09  | 59.0                        | 7.5                | 7.9  | 0.8           | 0.2             | 7.2                   | 5.8                  | 2017              |
| LG31218                    | 31.2                              | 18.6                    | 103  | 11.77   | 219  | 31.0   | 5.78  | 60.3                        | 7.6                | 6.2  | 4.5           | 0.0             | 7.5                   | 5.6                  | 2018              |
| CONCLUSION                 | 33.1                              | 18.6                    | 103  | 12.00   | 224  | 34.5   | 6.42  | 61.3                        | 7.7                | 7.5  | 1.7           | 0.3             | 7.2                   | 4.7                  | 2020              |
| BONNIE                     | 32.8                              | 18.5                    | 103  | 11.87   | 220  | 34.0   | 6.29  | 60.3                        | 7.5                | 7.7  | 1.3           | 0.3             | 7.5                   | 6.1                  | 2017              |
| EXPEDIA                    | 30.8                              | 18.5                    | 102  | 11.88   | 219  | 33.1   | 6.11  | 60.5                        | 7.0                | 7.4  | 1.9           | 0.2             | 7.2                   | 5.9                  | 2018              |
| PROSPECT                   | 35.0                              | 18.4                    | 102  | 11.96   | 220  | 35.3   | 6.49  | 60.6                        | 7.5                | 8.0  | 0.7           | 0.2             | 7.2                   | 8.0                  | 2019              |
| KWS CALVINI                | 35.0                              | 18.2                    | 101  | 11.74   | 214  | 35.0   | 6.36  | 58.8                        | 7.7                | 7.7  | 1.4           | 1.6             | 5.9                   | 7.2                  | 2019              |
| PINNACLE                   | 34.4                              | 18.2                    | 100  | 11.85   | 215  | 35.7   | 6.47  | 59.3                        | 7.4                | 7.2  | 2.4           | 0.7             | 7.1                   | 6.8                  | 2018              |
| AVITUS KWS                 | 35.2                              | 18.1                    | 100  | 11.85   | 215  | 36.0   | 6.53  | 59.1                        | 7.4                | 6.6  | 3.6           | 1.6             | 5.8                   | 6.0                  | 2018              |
| AMBITION                   | 34.5                              | 18.1                    | 100  | 11.75   | 213  | 34.7   | 6.30  | 59.0                        | 7.4                | 8.1  | 0.5           | 0.2             | 6.9                   | 5.8                  | 2012              |
| FIELDSTAR                  | 33.5                              | 18.1                    | 100  | 11.73   | 212  | 33.9   | 6.13  | 59.2                        | 7.3                | 8.1  | 0.5           | 0.5             | 6.9                   | 6.0                  | 2013              |
| LIROYAL                    | 33.6                              | 18.0                    | 100  | 11.83   | 213  | 35.0   | 6.29  | 59.4                        | 7.1                | 8.0  | 0.7           | 0.6             | 6.2                   | 6.6                  | 2019              |
| MADONIAS                   | 33.5                              | 18.0                    | 99   | 11.79   | 212  | 35.5   | 6.38  | 58.8                        | 7.1                | 7.7  | 1.3           | 0.6             | 6.1                   | 5.8                  | 2018              |
| RODRIGUEZ KWS              | 33.3                              | 17.9                    | 99   | 11.83   | 211  | 35.7   | 6.38  | 59.6                        | 6.8                | 8.1  | 0.4           | 0.4             | 6.9                   | 4.1                  | 2015              |
| GEMA                       | 35.8                              | 17.8                    | 99   | 11.74   | 209  | 36.8   | 6.55  | 58.3                        | 7.0                | 7.6  | 1.5           | 0.5             | 6.1                   | 6.8                  | 2021              |
| TROOPER                    | 35.3                              | 17.7                    | 98   | 11.83   | 209  | 35.3   | 6.25  | 59.5                        | 7.6                | 8.1  | 0.4           | 0.2             | 6.5                   | 1.0                  | 2020              |
| RUBIERA KWS                | 35.3                              | 16.8                    | 93   | 11.95   | 201  | 37.1   | 6.25  | 59.7                        | 7.2                | 6.9  | 2.9           | 0.7             | 5.9                   | 5.6                  | 2015              |
| AUGUSTUS KWS               | 35.7                              | 16.7                    | 93   | 11.99   | 201  | 37.7   | 6.31  | 59.7                        | 7.2                | 7.1  | 2.5           | 1.2             | 5.7                   | 6.2                  | 2015              |
| CITO KWS                   | 37.0                              | 16.6                    | 92   | 12.00   | 199  | 37.7   | 6.26  | 59.8                        | 7.3                | 7.6  | 1.6           | 0.5             | 5.4                   | 5.6                  | 2018              |
| <b>Trial statistics</b>    |                                   |                         |  |   |  |  |   |                             |                    |  |               |                 |                       |                      |                   |
| Mean of 4&5 year varieties | 33.4                              | 18.1                    | 100  | 11.73   | 212  | 33.6   | 6.07  | 59.2                        | 7.3                | 7.6  | 1.5           | 0.5             | 6.7                   |                      |                   |
| LSD (V.Cont)               | 0.91                              | 0.51                    | 2.8  | 0.122   | -  | 1.21   | -   | 0.76                        | 0.32               | -  | -             | -               | 0.48                  |                      |                   |
| SE (variety mean)          | 0.459                             | 0.256                   | 1.42   | 0.0612  | -  | 0.612  | -   | 0.383                       | 0.160              | -  | -             | -               | 0.242                 |                      |                   |

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance)

Notes:

- indicates no data available

ME is calculated as D-value x 0.16

# = values are re-transformed from the mean of the log data

Eyespot rating derived from inoculated nurseries rather than field scores

Data from the Forage Maize and AD Maize Descriptive Lists. Full data at [www.bspb.co.uk](http://www.bspb.co.uk)



With thanks to the Maize Growers Association for part-funding the eyespot assessments

## 2022 FORAGE MAIZE DESCRIPTIVE LIST

### Second choice varieties for favourable sites (varieties ranked in dry matter yield order)

| VARIETY                    | Dry matter content at harvest (%) | Dry matter yield (t/ha) | Dry matter yield (% of 4 and 5 year varieties) | ME of fresh plant at harvest (MJ/kg dry matter) | ME yield of fresh plant at harvest ('000s MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest (t/ha) | Cell wall digestibility (%) | Early vigour (1-9) | Standing power at harvest (root lodging) (1-9) | Lodging (%) # | Brackling (%) # | Leaf senescence (1-9) | Eyespot rating (1-9) | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|--|--|---|-----------------------------|--------------------|--|---------------|-----------------|-----------------------|----------------------|-------------------|
| RGT OXXFORD                | 29.8                              | 18.8                    | 104  | 11.18   | 210  | 24.8   | 4.66  | 57.7                        | 7.2                | 7.7  | 1.2           | 0.3             | 6.8                   | 7.8                  | 2021              |
| CATHY                      | 31.0                              | 18.7                    | 103  | 11.53   | 215  | 29.0   | 5.41  | 59.3                        | 7.5                | 8.0  | 0.6           | 0.6             | 7.6                   | 5.0                  | 2015              |
| ES LEGOLAS                 | 31.3                              | 18.4                    | 102  | 11.09   | 204  | 26.5   | 4.88  | 56.8                        | 7.1                | 7.9  | 1.0           | 0.4             | 7.3                   | 6.7                  | 2019              |
| MARCAMO                    | 30.8                              | 18.3                    | 101  | 11.21   | 206  | 29.6   | 5.42  | 56.0                        | 6.9                | 6.0  | 4.9           | 1.4             | 6.5                   | 7.5                  | 2019              |
| AURELIUS KWS               | 32.9                              | 18.2                    | 101  | 11.67   | 213  | 32.7   | 5.95  | 58.9                        | 7.5                | 7.1  | 2.6           | 0.9             | 6.3                   | 4.7                  | 2016              |
| AUTENS KWS                 | 33.6                              | 18.1                    | 100  | 11.74   | 213  | 34.3   | 6.22  | 58.9                        | 7.5                | 5.5  | 6.0           | 0.8             | 6.3                   | 5.3                  | 2017              |
| LIKEIT                     | 32.2                              | 18.0                    | 100  | 11.56   | 208  | 32.6   | 5.87  | 57.9                        | 7.6                | 8.1  | 0.4           | 0.4             | 6.7                   | 4.7                  | 2018              |
| SY NORDICSTAR              | 32.7                              | 17.9                    | 99   | 11.66   | 209  | 33.0   | 5.92  | 59.6                        | 7.3                | 7.6  | 1.6           | 0.1             | 7.0                   | 7.7                  | 2016              |
| RGT OXXGOOD                | 33.9                              | 17.8                    | 99   | 11.76   | 209  | 34.0   | 6.06  | 59.6                        | 7.0                | 7.5  | 1.6           | 0.4             | 6.2                   | 6.0                  | 2016              |
| RGT STEWAXX                | 33.5                              | 17.8                    | 98   | 11.71   | 208  | 32.3   | 5.73  | 59.9                        | 6.7                | 7.9  | 0.9           | 0.3             | 6.7                   | 4.1                  | 2019              |
| ES TOMMEN                  | 33.5                              | 17.7                    | 98   | 11.65   | 206  | 33.7   | 5.96  | 58.9                        | 7.7                | 8.0  | 0.6           | 0.3             | 6.5                   | 4.2                  | 2021              |
| ES LOVELY                  | 34.3                              | 17.7                    | 98   | 11.64   | 206  | 34.9   | 6.16  | 58.3                        | 7.3                | 8.1  | 0.5           | 0.7             | 6.2                   | 3.7                  | 2016              |
| REASON                     | 34.8                              | 17.6                    | 97   | 11.80   | 208  | 34.2   | 6.02  | 59.5                        | 7.1                | 7.1  | 2.5           | 0.4             | 6.5                   | 3.6                  | 2016              |
| PEREZ KWS                  | 34.3                              | 17.4                    | 96   | 11.72   | 204  | 35.5   | 6.19  | 58.5                        | 7.6                | 6.3  | 4.3           | 0.6             | 6.1                   | 5.0                  | 2015              |
| EMMERSON                   | 37.1                              | 16.7                    | 92   | 11.81   | 197  | 36.5   | 6.08  | 58.9                        | 7.0                | 8.1  | 0.4           | 0.5             | 5.9                   | 1.8                  | 2015              |
| RGT DUXXBURY               | 35.9                              | 16.7                    | 92   | 11.75   | 196  | 35.7   | 5.95  | 58.9                        | 7.1                | 7.9  | 0.9           | 0.3             | 5.6                   | 5.5                  | 2018              |
|                            |                                   |                         |  |   |  |  |   |                             |                    |  |               |                 |                       |                      |                   |
|                            |                                   |                         |  |   |  |  |   |                             |                    |  |               |                 |                       |                      |                   |
| <b>Trial statistics</b>    |                                   |                         |  |   |  |  |   |                             |                    |  |               |                 |                       |                      |                   |
| Mean of 4&5 year varieties | 33.4                              | 18.1                    | 100  | 11.73   | 212  | 33.6   | 6.07  | 59.2                        | 7.3                | 7.6  | 1.5           | 0.5             | 6.7                   |                      |                   |
| LSD (V.Cont)               | 0.91                              | 0.51                    | 2.8  | 0.122   | -  | 1.21   | -   | 0.76                        | 0.32               | -  | -             | -               | 0.48                  |                      |                   |
| SE (variety mean)          | 0.459                             | 0.256                   | 1.42   | 0.0612  | -  | 0.612  | -   | 0.383                       | 0.160              | -  | -             | -               | 0.242                 |                      |                   |

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance)

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## 2022 FORAGE MAIZE DESCRIPTIVE LIST

### First choice varieties for less favourable sites (varieties ranked in dry matter content order)

| VARIETY                    | Dry matter content at harvest (%) | Dry matter yield (t/ha) | Dry matter yield (% of 4 and 5 year varieties) | ME of fresh plant at harvest (MJ/kg dry matter) | ME yield of fresh plant at harvest ('000s MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest (t/ha) | Cell wall digestibility (%) | Early vigour (1-9) | Standing power at harvest (root lodging) (1-9) | Lodging (%) # | Brackling (%) # | Leaf senescence (1-9) | Eyespot rating (1-9) | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|--|--|---|-----------------------------|--------------------|--|---------------|-----------------|-----------------------|----------------------|-------------------|
| CITO KWS                   | 38.2                              | 16.5                    | 93   | 11.97   | 197  | 38.3   | 6.30  | 59.3                        | 7.1                | 7.1  | 2.6           | 0.5             | 5.0                   | 5.6                  | 2018              |
| GEMA                       | 37.0                              | 17.1                    | 97   | 11.62   | 199  | 36.7   | 6.28  | 57.5                        | 6.8                | 7.3  | 2.2           | 0.6             | 5.8                   | 6.8                  | 2021              |
| AUGUSTUS KWS               | 36.0                              | 16.6                    | 94   | 11.78   | 196  | 36.8   | 6.12  | 58.5                        | 7.1                | 6.5  | 3.8           | 0.9             | 5.4                   | 6.2                  | 2015              |
| RUBIERA KWS                | 35.9                              | 16.4                    | 93   | 11.86   | 194  | 37.3   | 6.11  | 59.0                        | 7.0                | 6.3  | 4.2           | 0.6             | 5.5                   | 5.6                  | 2015              |
| TROOPER                    | 35.7                              | 17.2                    | 97   | 11.76   | 202  | 35.0   | 6.01  | 58.9                        | 7.2                | 8.0  | 0.7           | 0.3             | 6.3                   | 1.0                  | 2020              |
| KWS CALVINI                | 35.4                              | 17.8                    | 101  | 11.71   | 208  | 35.4   | 6.29  | 58.3                        | 7.4                | 7.3  | 2.2           | 1.9             | 5.9                   | 7.2                  | 2019              |
| PROSPECT                   | 34.5                              | 18.0                    | 102  | 11.83   | 213  | 34.6   | 6.24  | 59.7                        | 7.3                | 7.5  | 1.7           | 0.3             | 7.3                   | 8.0                  | 2019              |
| RGT OXXGOOD                | 34.3                              | 17.6                    | 100  | 11.69   | 206  | 34.4   | 6.06  | 58.8                        | 6.8                | 7.2  | 2.4           | 0.6             | 6.3                   | 6.0                  | 2016              |
| AMBITION                   | 34.1                              | 17.7                    | 100  | 11.65   | 206  | 34.2   | 6.04  | 58.5                        | 7.2                | 7.8  | 1.0           | 0.3             | 7.1                   | 5.8                  | 2012              |
| MADONIAS                   | 33.7                              | 17.7                    | 100  | 11.63   | 206  | 35.0   | 6.19  | 57.8                        | 7.0                | 7.1  | 2.5           | 1.4             | 6.1                   | 5.8                  | 2018              |
| RODRIGUEZ KWS              | 33.6                              | 17.5                    | 99   | 11.77   | 206  | 36.2   | 6.34  | 58.8                        | 6.6                | 7.9  | 0.8           | 0.6             | 6.8                   | 4.1                  | 2015              |
| LIRoyal                    | 33.6                              | 17.6                    | 100  | 11.75   | 207  | 35.0   | 6.18  | 58.8                        | 7.0                | 7.8  | 1.1           | 0.7             | 6.4                   | 6.6                  | 2019              |
| PINNACLE                   | 33.6                              | 17.6                    | 100  | 11.73   | 206  | 35.1   | 6.15  | 58.6                        | 7.0                | 6.4  | 4.1           | 0.9             | 7.4                   | 6.8                  | 2018              |
| FIELDSTAR                  | 33.6                              | 17.8                    | 101  | 11.67   | 208  | 34.0   | 6.06  | 58.6                        | 7.1                | 7.7  | 1.2           | 0.6             | 7.1                   | 6.0                  | 2013              |
| RESOLUTE                   | 32.7                              | 18.8                    | 107  | 11.70   | 220  | 32.9   | 6.20  | 59.0                        | 7.4                | 7.7  | 1.4           | 0.3             | 7.7                   | 4.1                  | 2020              |
| CONCLUSION                 | 32.6                              | 18.5                    | 105  | 11.88   | 219  | 33.2   | 6.13  | 60.6                        | 7.4                | 7.3  | 2.1           | 0.4             | 7.6                   | 4.7                  | 2020              |
| ABSALON                    | 32.5                              | 18.5                    | 105  | 11.74   | 217  | 32.6   | 6.02  | 59.8                        | 7.0                | 7.9  | 0.8           | 0.2             | 7.3                   | 6.2                  | 2017              |
| SY NORDICSTAR              | 32.4                              | 17.6                    | 100  | 11.59   | 204  | 33.0   | 5.81  | 59.2                        | 7.1                | 6.9  | 3.0           | 0.2             | 7.3                   | 7.7                  | 2016              |
| GATSBY                     | 32.4                              | 18.3                    | 104  | 11.71   | 214  | 33.6   | 6.15  | 58.9                        | 7.4                | 7.7  | 1.2           | 0.4             | 7.4                   | 5.8                  | 2017              |
| BONNIE                     | 32.3                              | 18.3                    | 104  | 11.80   | 216  | 33.9   | 6.19  | 59.8                        | 7.3                | 7.3  | 2.1           | 0.3             | 7.9                   | 6.1                  | 2017              |
| FARMUNOX                   | 31.7                              | 18.6                    | 105  | 11.60   | 215  | 32.1   | 5.96  | 57.9                        | 6.8                | 6.2  | 4.5           | 1.9             | 7.7                   | 8.1                  | 2020              |
| <b>Trial statistics</b>    |                                   |                         |  |   |  |  |   |                             |                    |  |               |                 |                       |                      |                   |
| Mean of 4&5 year varieties | 34.1                              | 17.6                    | 100  | 11.66   | 206  | 34.1   | 6.02  | 58.5                        | 7.1                | 7.3  | 2.2           | 0.7             | 6.6                   |                      |                   |
| LSD (V.Cont)               | 1.19                              | 0.64                    | 3.6  | 0.163   | -  | 1.53   | -   | 1.01                        | 0.37               | -  | -             | -               | 0.56                  |                      |                   |
| SE (variety mean)          | 0.596                             | 0.321                   | 1.82   | 0.0821  | -  | 0.769  | -   | 0.508                       | 0.185              | -  | -             | -               | 0.284                 |                      |                   |

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance)

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### Second choice varieties for less favourable sites (varieties ranked in dry matter content order)

| VARIETY                    | Dry matter content at harvest (%) | Dry matter yield (t/ha) | Dry matter yield (% of 4 and 5 year varieties) | ME of fresh plant at harvest (MJ/kg dry matter) | ME yield of fresh plant at harvest ('000s MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest (t/ha) | Cell wall digestibility (%) | Early vigour (1-9) | Standing power at harvest (root lodging) (1-9) | Lodging (%) # | Brackling (%) # | Leaf senescence (1-9) | Eyespot rating (1-9) | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|--|--|---|-----------------------------|--------------------|--|---------------|-----------------|-----------------------|----------------------|-------------------|
| EMMERSON                   | 37.8                              | 16.6                    | 94   | 11.62   | 192  | 35.7   | 5.91  | 57.5                        | 6.8                | 7.8  | 1.1           | 0.7             | 5.4                   | 1.8                  | 2015              |
| RGT DUXXBURY               | 36.0                              | 16.4                    | 93   | 11.65   | 191  | 35.7   | 5.85  | 58.0                        | 6.9                | 7.6  | 1.5           | 0.4             | 5.6                   | 5.5                  | 2018              |
| AVITUS KWS                 | 35.7                              | 17.9                    | 102  | 11.73   | 211  | 35.9   | 6.43  | 58.3                        | 7.2                | 5.2  | 6.7           | 2.0             | 5.7                   | 6.0                  | 2018              |
| REASON                     | 35.6                              | 17.3                    | 98   | 11.70   | 202  | 33.9   | 5.85  | 58.8                        | 6.8                | 5.7  | 5.6           | 0.4             | 6.2                   | 3.6                  | 2016              |
| PEREZ KWS                  | 35.1                              | 17.2                    | 98   | 11.58   | 199  | 35.5   | 6.11  | 57.2                        | 7.2                | 5.8  | 5.4           | 1.0             | 6.0                   | 5.0                  | 2015              |
| KWS EXELON                 | 34.7                              | 18.1                    | 102  | 11.58   | 209  | 33.5   | 6.04  | 57.8                        | 7.1                | 6.1  | 4.8           | 1.2             | 6.6                   | 8.7                  | 2021              |
| ES LOVELY                  | 34.3                              | 17.2                    | 97   | 11.54   | 198  | 34.9   | 5.99  | 57.5                        | 7.0                | 7.8  | 1.0           | 0.7             | 6.2                   | 3.7                  | 2016              |
| AUTENS KWS                 | 33.9                              | 17.7                    | 100  | 11.65   | 206  | 34.3   | 6.06  | 58.2                        | 7.1                | 4.7  | 7.6           | 0.8             | 6.3                   | 5.3                  | 2017              |
| RGT STEWAXX                | 33.4                              | 17.6                    | 100  | 11.60   | 204  | 32.4   | 5.70  | 58.9                        | 6.6                | 7.6  | 1.5           | 0.5             | 6.7                   | 4.1                  | 2019              |
| ES TOMMEN                  | 33.4                              | 17.4                    | 99   | 11.50   | 200  | 33.3   | 5.81  | 57.6                        | 7.5                | 7.8  | 1.1           | 0.5             | 6.6                   | 4.2                  | 2021              |
| AURELIUS KWS               | 33.0                              | 17.9                    | 102  | 11.48   | 206  | 32.7   | 5.86  | 57.5                        | 7.3                | 6.2  | 4.4           | 1.0             | 6.3                   | 4.7                  | 2016              |
| ABILITY                    | 32.4                              | 18.5                    | 105  | 11.59   | 214  | 30.3   | 5.59  | 59.3                        | 7.2                | 7.9  | 0.8           | 0.5             | 7.7                   | 6.3                  | 2020              |
| LIKEIT                     | 32.3                              | 17.7                    | 100  | 11.48   | 203  | 32.3   | 5.73  | 57.3                        | 7.2                | 8.0  | 0.6           | 0.7             | 6.8                   | 4.7                  | 2018              |
| ES LEGOLAS                 | 31.5                              | 18.4                    | 104  | 11.02   | 202  | 26.6   | 4.87  | 56.3                        | 7.0                | 7.6  | 1.4           | 0.6             | 7.6                   | 6.7                  | 2019              |
|                            |                                   |                         |  |   |  |  |   |                             |                    |  |               |                 |                       |                      |                   |
| <b>Trial statistics</b>    |                                   |                         |  |   |  |  |   |                             |                    |  |               |                 |                       |                      |                   |
| Mean of 4&5 year varieties | 34.1                              | 17.6                    | 100  | 11.66   | 206  | 34.1   | 6.02  | 58.5                        | 7.1                | 7.3  | 2.2           | 0.7             | 6.6                   |                      |                   |
| LSD (V.Cont)               | 1.19                              | 0.64                    | 3.6  | 0.163   | -  | 1.53   | -   | 1.01                        | 0.37               | -  | -             | -               | 0.56                  |                      |                   |
| SE (variety mean)          | 0.596                             | 0.321                   | 1.82   | 0.0821  | -  | 0.769  | -   | 0.508                       | 0.185              | -  | -             | -               | 0.284                 |                      |                   |

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance)

**Notes:**

- indicates no data available

ME is calculated as D-value x 0.16

# = values are re-transformed from the mean of the log data

Eyespot rating derived from inoculated nurseries rather than field scores

Data from the Forage Maize and AD Maize Descriptive Lists. Full data at [www.bspb.co.uk](http://www.bspb.co.uk)



With thanks to the Maize Growers Association for part-funding the eyespot assessments

## 2022 FORAGE MAIZE DESCRIPTIVE LIST

### Varieties for very favourable sites (varieties ranked in ME yield ('000s MJ/ha))

| VARIETY                  | Dry matter content at harvest (%) | Dry matter yield (t/ha) | Dry matter yield (% of 4 and 5 year varieties) | ME of fresh plant at harvest (MJ/kg dry matter) | ME yield of fresh plant at harvest ('000s MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest (t/ha) | Cell wall digestibility (%) | Early vigour (1-9) | Standing power at harvest (root lodging) (1-9) | Lodging (%) # | Bracking (%) # | Leaf senescence (1-9) | Eyespot rating (1-9) | Year first listed |
|--------------------------|-----------------------------------|-------------------------|--|---|--|--|---|-----------------------------|--------------------|--|---------------|----------------|-----------------------|----------------------|-------------------|
| LG31211                  | 34.2                              | 19.5                    | 103  | 11.84   | 231  | 34.1   | 6.66  | 60.0                        | 8.0                | 6.5  | 3.9           | 0.5            | 5.9                   | 5.0                  | 2018              |
| MANTILLA                 | 33.5                              | 19.6                    | 103  | 11.67   | 229  | 32.8   | 6.44  | 58.9                        | 7.3                | 7.5  | 1.7           | 0.5            | 6.3                   | 7.7                  | 2021              |
| LG31205                  | 34.0                              | 19.3                    | 101  | 11.73   | 226  | 33.5   | 6.45  | 58.7                        | 7.5                | 7.4  | 1.9           | 1.3            | 6.1                   | 8.9                  | 2018              |
| LG30248                  | 32.0                              | 19.4                    | 102  | 11.62   | 225  | 28.8   | 5.57  | 59.6                        | 7.8                | 6.2  | 4.5           | 0.1            | 7.1                   | 5.3                  | 2018              |
| AGA GOLD                 | 32.6                              | 18.8                    | 99   | 11.78   | 221  | 33.2   | 6.25  | 59.2                        | 7.2                | 7.6  | 1.4           | 0.9            | 6.2                   | 7.2                  | 2018              |
| PETROSKHA                | 32.2                              | 19.4                    | 102  | 11.40   | 221  | 31.9   | 6.21  | 56.8                        | 6.4                | 7.4  | 2.0           | 1.1            | 6.0                   | 5.9                  | 2018              |
| ES METRONOM              | 31.6                              | 19.7                    | 104  | 11.26   | 221  | 28.8   | 5.65  | 57.0                        | 7.0                | 8.0  | 0.6           | 0.5            | 6.7                   | 8.5                  | 2018              |
| NEUTRINO                 | 31.0                              | 19.6                    | 103  | 11.11   | 217  | 26.3   | 5.14  | 56.6                        | 7.3                | 7.6  | 1.5           | 6.5            | 6.0                   | 8.0                  | 2021              |
| SY KARTHOUN              | 34.1                              | 18.9                    | 99   | 11.42   | 216  | 32.8   | 6.20  | 57.1                        | 7.2                | 6.2  | 4.4           | 0.7            | 6.1                   | 8.0                  | 2018              |
| RGT BIXX                 | 31.5                              | 19.0                    | 100  | 11.35   | 216  | 30.0   | 5.71  | 57.0                        | 7.6                | 7.4  | 1.9           | 2.3            | 6.3                   | 5.5                  | 2021              |
| SPYCI CS                 | 34.3                              | 18.1                    | 95   | 11.83   | 214  | 34.1   | 6.16  | 59.9                        | 7.4                | 7.8  | 1.1           | 0.5            | 4.4                   | 4.2                  | 2021              |
| ACTUAL                   | 35.9                              | 17.7                    | 93   | 11.81   | 209  | 35.5   | 6.30  | 59.0                        | 7.2                | 7.7  | 1.3           | 2.1            | 4.7                   | 6.7                  | 2018              |
| MARCAMO                  | 34.2                              | 18.3                    | 97   | 11.35   | 208  | 32.5   | 5.95  | 55.6                        | 7.1                | 7.1  | 2.7           | 2.8            | 3.5                   | 7.5                  | 2018              |
|                          |                                   |                         |  |   |  |  |   |                             |                    |  |               |                |                       |                      |                   |
| <b>Trial statistics</b>  |                                   |                         |  |   |  |  |   |                             |                    |  |               |                |                       |                      |                   |
| Mean of 4 year varieties | 33.4                              | 19.0                    | 100  | 11.58   | 220  | 32.4   | 6.15  | 58.1                        | 7.3                | 7.2  | 2.3           | 1.0            | 5.8                   | 7.0                  |                   |
| LSD (V.Cont)             | 1.18                              | 0.80                    | 4.2  | 0.176   | -  | 1.90   | -   | 1.08                        | 0.34               | -  | -             | -              | 0.45                  | -                    |                   |
| SE (variety mean)        | 0.561                             | 0.380                   | 2.00   | 0.0827  | -  | 0.89   | -   | 0.51                        | 0.161              | -  | -             | -              | 0.214                 | -                    |                   |

On the 1-9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance)

ME is calculated as D-value x 0.16

# = values are re-transformed from the mean of the log data

Eyespot rating derived from inoculated nurseries rather than field scores

**The varieties tabulated are forage maize varieties that the breeders have nominated as having potential suitability for AD use. The List may not represent the full range of forage maize or biogas varieties that are available for the market.**



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