

2018 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 (1000's MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest t/ha | Cell wall digestibility (%) | Early vigour 9=good 1=poor | Standing power at harvest (root lodging) 9=good 1=poor | Lodging (%) | Brackling (%) | Leaf senescence (1-9) | Eyespot rating (1-9) ** | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|---|--|---|-----------------------------|----------------------------|--|-------------|---------------|-----------------------|-------------------------|-------------------|
| LG31211 | 30.0 | 18.4 | 107 | 11.44 | 211 | 27.3 | 5.02 | 59.3 | 7.6 | 7.9 | 3.4 | 0.0 | 7.7 | 4.3 | 2017 |
| KOMPETENS | 29.6 | 18.3 | 107 | 11.28 | 206 | 29.7 | 5.44 | 56.8 | 6.5 | 8.3 | 0.4 | 2.0 | 8.1 | 6.9 | 2016 |
| GATSBY | 31.8 | 18.2 | 106 | 11.42 | 208 | 31.4 | 5.72 | 57.7 | 7.1 | 8.3 | 0.2 | 0.8 | 7.3 | 5.1 | 2017 |
| AUTENS KWS | 33.3 | 18.1 | 105 | 11.36 | 206 | 32.2 | 5.83 | 56.8 | 7.4 | 7.9 | 3.4 | 0.6 | 5.9 | 4.7 | 2017 |
| LG30209 | 30.5 | 18.1 | 105 | 11.39 | 206 | 29.7 | 5.36 | 57.9 | 7.2 | 8.1 | 1.4 | 0.2 | 7.3 | 3.0 | 2016 |
| BONNIE | 31.9 | 18.0 | 105 | 11.54 | 208 | 31.5 | 5.66 | 58.8 | 7.2 | 8.3 | 0.3 | 0.4 | 7.5 | 5.5 | 2017 |
| AURELIUS KWS | 32.6 | 18.0 | 105 | 11.31 | 203 | 31.6 | 5.69 | 56.5 | 7.6 | 8.2 | 1.0 | 1.4 | 6.0 | 4.3 | 2016 |
| SPYCI CS | 28.5 | 17.9 | 104 | 11.27 | 202 | 28.4 | 5.09 | 58.1 | 7.0 | 8.3 | 0.5 | 0.0 | 7.3 | 3.7 | 2016 |
| ABSALON | 30.8 | 17.8 | 104 | 11.41 | 203 | 29.3 | 5.22 | 58.6 | 6.9 | 8.2 | 0.5 | 0.1 | 7.5 | 5.6 | 2017 |
| ALFASTAR | 29.8 | 17.8 | 104 | 11.31 | 201 | 29.5 | 5.26 | 57.8 | 7.4 | 8.3 | 0.1 | 0.0 | 7.4 | 4.7 | 2014 |
| BELAMI CS | 30.9 | 17.8 | 104 | 11.44 | 203 | 29.6 | 5.25 | 58.7 | 7.2 | 7.4 | 6.7 | 0.0 | 6.6 | 4.2 | 2017 |
| ATRIUM | 30.0 | 17.7 | 103 | 11.53 | 204 | 29.6 | 5.23 | 59.4 | 7.2 | 8.2 | 0.9 | 0.0 | 7.6 | 2.8 | 2010 |
| ASGAARD | 31.5 | 17.7 | 103 | 11.40 | 201 | 30.9 | 5.45 | 57.9 | 7.6 | 8.3 | 0.2 | 0.0 | 7.1 | 3.6 | 2014 |
| CODITANK | 29.2 | 17.7 | 103 | 11.19 | 198 | 28.9 | 5.10 | 57.2 | 6.4 | 8.3 | 0.2 | 0.2 | 7.3 | 6.0 | 2015 |
| ES MARCO | 28.5 | 17.6 | 102 | 11.08 | 195 | 29.6 | 5.19 | 55.5 | 6.1 | 8.3 | 0.3 | 0.6 | 8.1 | 7.1 | 2015 |
| RODRIGUEZ KWS | 32.5 | 17.5 | 102 | 11.49 | 202 | 34.2 | 6.00 | 57.3 | 6.8 | 8.3 | 0.0 | 0.7 | 6.8 | 3.6 | 2015 |
| EMBLEM | 31.8 | 17.4 | 101 | 11.46 | 200 | 33.0 | 5.74 | 57.8 | 7.3 | 8.3 | 0.1 | 0.0 | 6.6 | 5.6 | 2014 |
| PEREZ KWS | 34.6 | 17.4 | 101 | 11.29 | 196 | 33.3 | 5.79 | 56.0 | 7.5 | 8.1 | 1.5 | 0.0 | 5.7 | 4.5 | 2015 |
| FIELDSTAR | 32.7 | 17.4 | 101 | 11.42 | 199 | 32.3 | 5.63 | 57.4 | 7.3 | 8.3 | 0.0 | 0.0 | 7.1 | 6.7 | 2013 |
| REASON | 35.4 | 17.4 | 101 | 11.46 | 199 | 33.0 | 5.73 | 57.1 | 7.0 | 8.2 | 1.1 | 0.3 | 6.1 | 3.1 | 2016 |
| YUKON | 33.6 | 17.4 | 101 | 11.36 | 197 | 34.7 | 6.03 | 55.9 | 7.1 | 8.3 | 0.2 | 0.0 | 6.6 | 5.1 | 2012 |
| AMBITION | 34.0 | 17.3 | 101 | 11.51 | 199 | 34.0 | 5.90 | 57.3 | 7.2 | 8.3 | 0.2 | 0.0 | 6.7 | 6.5 | 2012 |
| SY NORDICSTAR | 31.9 | 17.3 | 101 | 11.40 | 197 | 31.6 | 5.47 | 58.0 | 7.3 | 8.2 | 0.5 | 0.0 | 7.4 | 7.0 | 2016 |
| SEVERUS | 33.2 | 17.2 | 100 | 11.35 | 196 | 34.3 | 5.91 | 56.0 | 7.4 | 8.3 | 0.5 | 1.4 | 6.2 | 5.4 | 2013 |
| RGT OXXGOOD | 32.6 | 17.2 | 100 | 11.40 | 196 | 32.0 | 5.50 | 57.5 | 7.1 | 8.3 | 0.5 | 0.5 | 6.0 | 5.6 | 2016 |
| KOUGAR | 33.6 | 17.1 | 100 | 11.35 | 194 | 32.9 | 5.63 | 56.1 | 7.0 | 8.3 | 0.4 | 0.2 | 6.3 | 5.0 | 2010 |
| GLORY | 34.8 | 17.1 | 99 | 11.53 | 197 | 35.2 | 6.01 | 57.2 | 7.2 | 8.3 | 0.2 | 0.2 | 6.3 | 6.5 | 2013 |
| ARCADE | 33.8 | 16.8 | 98 | 11.50 | 193 | 33.3 | 5.60 | 57.9 | 6.9 | 8.3 | 0.2 | 0.7 | 6.7 | 4.9 | 2012 |
| SUNLITE | 33.7 | 16.7 | 97 | 11.63 | 194 | 34.5 | 5.76 | 58.6 | 7.2 | 8.3 | 0.1 | 0.0 | 6.4 | 2.8 | 2014 |
| SERGIO KWS | 35.1 | 16.4 | 96 | 11.58 | 190 | 35.9 | 5.91 | 57.5 | 7.3 | 8.0 | 2.4 | 0.5 | 5.3 | 5.6 | 2014 |
| RUBIERA KWS | 36.2 | 16.3 | 95 | 11.65 | 190 | 36.4 | 5.92 | 57.6 | 7.3 | 8.0 | 2.6 | 1.0 | 4.8 | 5.1 | 2015 |
| EMMERSON | 37.6 | 16.2 | 94 | 11.45 | 186 | 35.6 | 5.77 | 56.4 | 6.9 | 8.3 | 0.0 | 3.2 | 5.1 | 2.6 | 2015 |
| AUGUSTUS KWS | 36.8 | 16.2 | 94 | 11.61 | 188 | 35.8 | 5.78 | 57.6 | 7.2 | 8.1 | 1.6 | 3.1 | 4.7 | 5.8 | 2015 |
| ACTIVATE | 35.6 | 16.1 | 94 | 11.69 | 188 | 35.8 | 5.75 | 58.3 | 6.7 | 8.3 | 0.2 | 0.0 | 6.4 | 4.6 | 2012 |
| Trial statistics | | | | | | | | | | | | | | | |
| Mean of 4&5 year varieties | 32.5 | 17.2 | 100 | 11.34 | 195 | 31.9 | 5.48 | 57.0 | 7.0 | 8.2 | 0.6 | 0.4 | 6.6 | 4.9 | - |
| LSD (V.Cont) | 0.86 | 0.49 | 2.9 | 0.122 | - | 1.39 | - | 0.71 | 0.35 | - | - | - | 0.51 | - | - |
| SE (variety mean) | 0.435 | 0.250 | 1.45 | 0.0614 | - | 0.698 | - | 0.356 | 0.174 | - | - | - | 0.256 | - | - |

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.

Limited data for Brackling% with many varieties having only one trials worth of data.

** Eyespot rating derived from inoculated nurseries rather than field scores.



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

2018 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 (1000's MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest t/ha | Cell wall digestibility (%) | Early vigour 9=good 1=poor | Standing power at harvest (root lodging) 9=good 1=poor | Lodging (%) | Brackling (%) | Leaf senescence (1-9) | Eyespot rating (1-9) ** | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|---|--|---|-----------------------------|----------------------------|--|-------------|---------------|-----------------------|-------------------------|-------------------|
| CATHY | 29.8 | 18.2 | 106 | 11.18 | 203 | 26.7 | 4.85 | 57.6 | 7.0 | 8.3 | 0.4 | 0.3 | 7.8 | 4.6 | 2015 |
| AMBROSINI | 29.5 | 18.2 | 106 | 10.98 | 200 | 28.4 | 5.15 | 55.2 | 7.3 | 8.3 | 0.3 | 0.2 | 7.5 | 5.3 | 2010 |
| HOBBIT | 28.9 | 18.1 | 105 | 11.10 | 201 | 27.4 | 4.97 | 56.7 | 7.1 | 7.9 | 2.9 | 0.2 | 8.0 | 3.0 | 2014 |
| TIBERIO | 29.3 | 18.1 | 105 | 11.09 | 201 | 28.3 | 5.12 | 56.1 | 7.3 | 8.0 | 2.3 | 1.4 | 7.6 | 6.2 | 2017 |
| MAS 13M | 29.2 | 18.0 | 105 | 10.63 | 192 | 25.7 | 4.63 | 53.9 | 7.0 | 8.3 | 0.3 | 0.4 | 7.4 | 4.9 | 2017 |
| ES CLUEDO | 29.3 | 18.0 | 105 | 10.94 | 197 | 26.5 | 4.76 | 55.8 | 6.4 | 8.2 | 1.2 | 0.2 | 7.8 | 4.9 | 2016 |
| CODIGREEN | 27.7 | 17.8 | 104 | 10.70 | 191 | 21.5 | 3.84 | 56.1 | 6.7 | 8.3 | 0.1 | 0.7 | 7.8 | 5.5 | 2017 |
| MONTY | 31.8 | 17.7 | 103 | 11.35 | 201 | 29.5 | 5.22 | 57.8 | 6.8 | 8.3 | 0.4 | 0.5 | 7.5 | 4.4 | 2014 |
| BEETHOVEN | 30.4 | 17.5 | 102 | 11.13 | 195 | 28.9 | 5.05 | 56.0 | 6.8 | 7.9 | 2.9 | 0.2 | 7.3 | 4.9 | 2007 |
| DUALTO | 28.9 | 17.3 | 101 | 11.24 | 194 | 26.9 | 4.65 | 57.7 | 6.3 | 8.2 | 1.0 | 0.1 | 7.6 | 6.8 | 2012 |
| ROGOSO | 29.0 | 17.3 | 100 | 10.90 | 188 | 28.8 | 4.97 | 55.0 | 6.4 | 8.3 | 0.2 | 0.0 | 6.7 | 6.2 | 2016 |
| ES LOVELY | 34.0 | 17.2 | 100 | 11.26 | 193 | 33.4 | 5.74 | 55.7 | 7.3 | 8.3 | 0.0 | 0.9 | 5.8 | 3.2 | 2016 |
| ES BALLADE | 31.2 | 16.9 | 99 | 11.16 | 189 | 31.6 | 5.35 | 55.9 | 6.8 | 8.1 | 1.5 | 0.0 | 7.3 | 4.4 | 2012 |
| ES ATLANTIDE | 31.0 | 16.9 | 98 | 11.15 | 189 | 27.6 | 4.67 | 57.6 | 6.7 | 8.2 | 0.5 | 1.1 | 7.3 | 5.0 | 2017 |
| ES REGAIN | 33.7 | 16.9 | 98 | 11.31 | 191 | 32.4 | 5.47 | 56.5 | 7.3 | 8.3 | 0.2 | 0.4 | 6.3 | 3.7 | 2007 |
| ES REMINGTON | 32.7 | 16.7 | 97 | 11.06 | 185 | 30.7 | 5.13 | 55.4 | 7.1 | 8.3 | 0.2 | 0.3 | 6.4 | 4.0 | 2014 |
| ES BODYGUARD | 31.5 | 16.6 | 97 | 11.26 | 187 | 30.2 | 5.02 | 57.0 | 6.5 | 8.2 | 0.6 | 0.0 | 7.2 | 6.8 | 2013 |
| RGT EARLEXX | 33.0 | 16.5 | 96 | 11.50 | 189 | 32.4 | 5.33 | 57.9 | 7.0 | 8.2 | 0.6 | 0.7 | 6.1 | 2.8 | 2017 |
| RAMIREZ | 35.2 | 15.9 | 92 | 11.58 | 184 | 36.0 | 5.71 | 57.4 | 7.1 | 8.0 | 2.1 | 2.0 | 5.1 | 5.6 | 2013 |
| ES ARDENT | 35.3 | 15.7 | 92 | 11.22 | 176 | 33.3 | 5.23 | 55.6 | 6.4 | 8.3 | 0.1 | 0.7 | 5.7 | 5.8 | 2011 |
| KASPIAN | 38.9 | 15.0 | 87 | 11.55 | 173 | 37.2 | 5.56 | 56.3 | 6.7 | 7.9 | 3.2 | 1.0 | 3.4 | 5.7 | 2009 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Trial statistics | | | | | | | | | | | | | | | |
| Mean of 4&5 year varieties | 32.5 | 17.2 | 100 | 11.34 | 195 | 31.9 | 5.48 | 57.0 | 7.0 | 8.2 | 0.6 | 0.4 | 6.6 | 4.9 | - |
| LSD (V.Cont) | 0.86 | 0.49 | 2.9 | 0.122 | - | 1.39 | - | 0.71 | 0.35 | - | - | - | 0.51 | - | - |
| SE (variety mean) | 0.435 | 0.250 | 1.45 | 0.0614 | - | 0.698 | - | 0.356 | 0.174 | - | - | - | 0.256 | - | - |

Notes:

- indicates no data available;

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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 (1000's MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest t/ha | Cell wall digestibility (%) | Early vigour 9=good 1=poor | Standing power at harvest (root lodging) 9=good 1=poor | Lodging (%) | Brackling (%) | Leaf senescence (1-9) | Eyespot rating (1-9) ** | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|---|--|---|-----------------------------|----------------------------|--|-------------|---------------|-----------------------|-------------------------|-------------------|
| KASPIAN | 38.6 | 14.8 | 89 | 11.38 | 168 | 35.9 | 5.30 | 55.7 | 6.5 | 7.8 | 4.3 | 1.0 | 2.8 | 5.7 | 2009 |
| EMMERSON | 37.2 | 15.9 | 96 | 11.29 | 180 | 34.4 | 5.47 | 55.8 | 6.9 | 8.3 | 0.3 | 1.1 | 4.9 | 2.6 | 2015 |
| AUGUSTUS KWS | 36.0 | 16.0 | 96 | 11.36 | 182 | 33.9 | 5.44 | 56.5 | 7.1 | 8.1 | 1.3 | 2.4 | 4.4 | 5.8 | 2015 |
| RUBIERA KWS | 35.5 | 16.0 | 96 | 11.50 | 183 | 35.4 | 5.64 | 57.1 | 7.3 | 8.0 | 2.5 | 2.0 | 4.3 | 5.1 | 2015 |
| ACTIVATE | 34.9 | 16.1 | 96 | 11.54 | 185 | 34.9 | 5.60 | 57.7 | 6.8 | 8.3 | 0.2 | 0.0 | 6.4 | 4.6 | 2012 |
| REASON | 34.9 | 17.1 | 103 | 11.33 | 194 | 32.2 | 5.49 | 56.7 | 6.8 | 8.2 | 1.2 | 0.7 | 5.7 | 3.1 | 2016 |
| SERGIO KWS | 34.7 | 16.1 | 97 | 11.35 | 183 | 34.7 | 5.58 | 56.5 | 7.4 | 8.0 | 2.4 | 0.7 | 5.0 | 5.6 | 2014 |
| PEREZ KWS | 34.0 | 17.0 | 102 | 11.12 | 189 | 32.3 | 5.50 | 55.3 | 7.5 | 8.1 | 1.7 | 0.7 | 5.5 | 4.5 | 2015 |
| GLORY | 34.0 | 16.9 | 101 | 11.31 | 191 | 33.6 | 5.67 | 56.3 | 7.2 | 8.2 | 0.4 | 0.0 | 6.4 | 6.5 | 2013 |
| ARCADE | 33.1 | 16.5 | 99 | 11.35 | 187 | 32.2 | 5.30 | 57.4 | 6.7 | 8.3 | 0.3 | 0.8 | 6.5 | 4.9 | 2012 |
| AMBITION | 32.8 | 17.1 | 103 | 11.32 | 194 | 32.4 | 5.55 | 56.7 | 7.3 | 8.2 | 0.4 | 0.4 | 6.6 | 6.5 | 2012 |
| YUKON | 32.7 | 16.9 | 102 | 11.08 | 187 | 33.1 | 5.59 | 54.6 | 7.1 | 8.3 | 0.3 | 0.1 | 6.4 | 5.1 | 2012 |
| AUTENS KWS | 32.7 | 17.7 | 106 | 11.10 | 196 | 30.9 | 5.46 | 55.4 | 7.3 | 8.1 | 2.1 | 0.3 | 5.7 | 4.7 | 2017 |
| SUNLITE | 32.7 | 16.4 | 98 | 11.49 | 188 | 33.4 | 5.47 | 58.2 | 7.0 | 8.3 | 0.2 | 0.0 | 6.4 | 2.8 | 2014 |
| SEVERUS | 32.4 | 16.9 | 102 | 11.14 | 189 | 32.6 | 5.52 | 55.3 | 7.3 | 8.3 | 0.3 | 0.1 | 6.1 | 5.4 | 2013 |
| AURELIUS KWS | 31.9 | 17.5 | 105 | 11.12 | 195 | 30.7 | 5.37 | 55.7 | 7.6 | 8.1 | 1.4 | 1.3 | 6.1 | 4.3 | 2016 |
| RODRIGUEZ KWS | 31.6 | 17.0 | 102 | 11.34 | 193 | 33.6 | 5.72 | 56.7 | 6.7 | 8.3 | 0.2 | 0.9 | 6.7 | 3.6 | 2015 |
| FIELDSTAR | 31.6 | 17.4 | 104 | 11.20 | 194 | 31.1 | 5.39 | 56.5 | 7.4 | 8.2 | 0.4 | 0.0 | 7.1 | 6.7 | 2013 |
| EMBLEM | 30.7 | 17.1 | 103 | 11.29 | 193 | 32.2 | 5.52 | 57.1 | 7.3 | 8.3 | 0.3 | 0.1 | 6.6 | 5.6 | 2014 |
| BONNIE | 30.7 | 17.3 | 104 | 11.38 | 197 | 30.0 | 5.18 | 58.3 | 7.1 | 8.2 | 0.3 | 0.4 | 7.3 | 5.5 | 2017 |
| GATSBY | 30.5 | 17.5 | 105 | 11.19 | 195 | 29.9 | 5.22 | 56.7 | 7.0 | 8.2 | 0.3 | 0.4 | 7.4 | 5.1 | 2017 |
| ABSALON | 30.2 | 17.2 | 103 | 11.33 | 195 | 28.3 | 4.86 | 58.5 | 6.7 | 8.2 | 0.5 | 0.1 | 7.3 | 5.6 | 2017 |
| ASGAARD | 30.1 | 17.1 | 103 | 11.26 | 193 | 29.3 | 5.02 | 57.6 | 7.5 | 8.3 | 0.2 | 0.1 | 7.2 | 3.6 | 2014 |
| BELAMI CS | 29.3 | 17.0 | 102 | 11.29 | 192 | 28.7 | 4.88 | 58.1 | 7.2 | 7.9 | 3.8 | 0.0 | 6.6 | 4.2 | 2017 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Trial statistics | | | | | | | | | | | | | | | |
| Mean of 4&5 year varieties | 32.2 | 16.7 | 100 | 11.18 | 186 | 31.3 | 5.21 | 56.3 | 6.9 | 8.2 | 0.6 | 0.4 | 6.3 | 4.9 | - |
| LSD (V.Cont) | 1.04 | 0.49 | 2.9 | 0.148 | - | 1.81 | - | 0.79 | 0.44 | - | - | - | 0.61 | - | - |
| SE (variety mean) | 0.523 | 0.248 | 1.49 | 0.0745 | - | 0.908 | - | 0.396 | 0.221 | - | - | - | 0.308 | - | - |

Notes:

- indicates no data available;

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Limited data for Brackling% with many varieties having only one trials worth of data so 2009 trials still included.

** Eyespot rating derived from inoculated nurseries rather than field scores.



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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 (1000's MJ/ha) | Starch content of whole plant at harvest (%) | Starch yield of whole plant at harvest t/ha | Cell wall digestibility (%) | Early vigour 9=good 1=poor | Standing power at harvest (root lodging) 9=good 1=poor | Lodging (%) | Brackling (%) | Leaf senescence (1-9) | Eyespot rating (1-9) ** | Year first listed |
|----------------------------|-----------------------------------|-------------------------|--|---|---|--|---|-----------------------------|----------------------------------|---|-------------|---------------|-----------------------|-------------------------|-------------------|
| ES ARDENT | 35.2 | 15.4 | 93 | 11.05 | 171 | 32.1 | 4.96 | 55.0 | 6.4 | 8.3 | 0.1 | 0.9 | 5.3 | 5.8 | 2011 |
| RAMIREZ | 35.1 | 15.6 | 94 | 11.39 | 178 | 34.9 | 5.45 | 56.5 | 7.1 | 7.9 | 3.3 | 4.1 | 4.6 | 5.6 | 2013 |
| ES REGAIN | 33.1 | 16.5 | 99 | 11.16 | 185 | 31.4 | 5.20 | 56.0 | 7.3 | 8.3 | 0.2 | 0.8 | 6.1 | 3.7 | 2007 |
| ES LOVELY | 33.0 | 16.6 | 100 | 11.07 | 183 | 31.9 | 5.28 | 55.3 | 7.2 | 8.3 | 0.2 | 0.9 | 5.9 | 3.2 | 2016 |
| KOUGAR | 32.7 | 16.7 | 100 | 11.18 | 186 | 31.9 | 5.31 | 55.5 | 6.9 | 8.3 | 0.3 | 0.0 | 6.2 | 5.0 | 2010 |
| RGT EARLEXX | 32.3 | 16.0 | 96 | 11.34 | 181 | 31.2 | 5.00 | 57.4 | 6.9 | 8.2 | 0.4 | 1.2 | 6.0 | 2.8 | 2017 |
| ES REMINGTON | 32.0 | 16.6 | 99 | 10.92 | 181 | 29.5 | 4.88 | 55.1 | 7.2 | 8.2 | 0.4 | 0.4 | 6.5 | 4.0 | 2014 |
| MONTY | 30.6 | 17.4 | 105 | 11.19 | 195 | 28.1 | 4.90 | 57.3 | 6.7 | 8.2 | 0.4 | 0.8 | 7.5 | 4.4 | 2014 |
| SY NORDICSTAR | 30.6 | 16.9 | 102 | 11.18 | 189 | 29.8 | 5.05 | 57.4 | 7.3 | 8.2 | 0.7 | 0.2 | 7.4 | 7.0 | 2016 |
| ES BODYGUARD | 30.4 | 16.0 | 96 | 11.09 | 178 | 28.9 | 4.63 | 56.5 | 6.2 | 8.2 | 0.5 | 0.0 | 6.8 | 6.8 | 2013 |
| ES BALLADE | 30.3 | 16.6 | 100 | 10.94 | 182 | 30.6 | 5.08 | 55.1 | 6.4 | 8.2 | 0.6 | 0.0 | 7.0 | 4.4 | 2012 |
| ES ATLANTIDE | 30.3 | 16.2 | 97 | 11.13 | 180 | 27.4 | 4.44 | 57.8 | 6.5 | 8.2 | 0.6 | 2.1 | 7.7 | 5.0 | 2017 |
| ES CLUEDO | 28.8 | 17.5 | 105 | 10.81 | 190 | 25.8 | 4.52 | 55.4 | 6.1 | 8.2 | 0.6 | 0.3 | 7.8 | 4.9 | 2016 |
| MAS 13M | 28.7 | 17.4 | 105 | 10.60 | 185 | 26.0 | 4.52 | 53.9 | 7.0 | 8.2 | 0.3 | 0.4 | 7.4 | 4.9 | 2017 |
| CATHY | 28.4 | 17.5 | 105 | 10.97 | 192 | 25.1 | 4.40 | 56.9 | 6.9 | 8.3 | 0.3 | 0.6 | 8.1 | 4.6 | 2015 |
| CODITANK | 28.3 | 16.8 | 101 | 11.05 | 186 | 27.8 | 4.68 | 56.9 | 6.3 | 8.3 | 0.3 | 0.4 | 7.0 | 6.0 | 2015 |
| ROGOSO | 28.1 | 16.8 | 101 | 10.82 | 182 | 28.6 | 4.81 | 55.0 | 6.2 | 8.3 | 0.2 | 0.0 | 6.9 | 6.2 | 2016 |
| DUALTO | 27.9 | 16.6 | 100 | 11.19 | 186 | 26.3 | 4.38 | 57.9 | 6.2 | 8.3 | 0.3 | 0.1 | 7.5 | 6.8 | 2012 |
| HOBBIT | 27.4 | 17.4 | 105 | 10.88 | 190 | 26.5 | 4.62 | 55.7 | 7.0 | 8.1 | 1.8 | 0.1 | 8.0 | 3.0 | 2014 |
| ES MARCO | 27.4 | 17.1 | 103 | 10.94 | 187 | 29.1 | 4.97 | 55.0 | 6.1 | 8.3 | 0.3 | 0.2 | 7.9 | 7.1 | 2015 |
| CODIGREEN | 27.2 | 17.1 | 103 | 10.56 | 181 | 21.6 | 3.70 | 55.5 | 6.4 | 8.3 | 0.1 | 0.7 | 8.2 | 5.5 | 2017 |
| SPYCI CS | 26.9 | 17.2 | 103 | 11.08 | 190 | 27.2 | 4.67 | 57.4 | 6.9 | 8.3 | 0.3 | 0.2 | 7.2 | 3.7 | 2016 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Trial statistics | | | | | | | | | | | | | | | |
| Mean of 4&5 year varieties | 32.2 | 16.7 | 100 | 11.18 | 186 | 31.3 | 5.21 | 56.3 | 6.9 | 8.2 | 0.6 | 0.4 | 6.3 | 4.9 | - |
| LSD (V.Cont) | 1.04 | 0.49 | 2.9 | 0.148 | - | 1.81 | - | 0.79 | 0.44 | - | - | - | 0.61 | - | - |
| SE (variety mean) | 0.523 | 0.248 | 1.49 | 0.0745 | - | 0.908 | - | 0.396 | 0.221 | - | - | - | 0.308 | - | - |

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.

Limited data for Brackling% with many varieties having only one trials worth of data so 2009 trials still included.

** Eyespot rating derived from inoculated nurseries rather than field scores.



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

FORAGE MAIZE FOR ANAEROBIC DIGESTION

Varieties for favourable sites (2018)

| 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 (1000's MJ/ha) | Early vigour 9=good 1=poor | Standing power at harvest (root lodging) 9=good 1=poor | Eyespot rating (1-9) |
|----------------------------|---------------------------------|-----------------------|--|---|---|-------------------------------|---|----------------------|
| LG31211 | 30.0 | 18.4 | 107 | 11.44 | 211 | 7.6 | 7.9 | 4.3 |
| GATSBY | 31.8 | 18.2 | 106 | 11.42 | 208 | 7.1 | 8.3 | 5.1 |
| BONNIE | 31.9 | 18.0 | 105 | 11.54 | 208 | 7.2 | 8.3 | 5.5 |
| LG30223 | 28.0 | 18.5 | 108 | 11.16 | 207 | 7.2 | 8.3 | 5.4 |
| LG30209 | 30.5 | 18.1 | 105 | 11.39 | 206 | 7.2 | 8.1 | 3.0 |
| ATRIUM | 30.0 | 17.7 | 103 | 11.53 | 204 | 7.2 | 8.2 | 2.8 |
| CATHY | 29.8 | 18.2 | 106 | 11.18 | 203 | 7.0 | 8.3 | 4.6 |
| ABSALON | 30.8 | 17.8 | 104 | 11.41 | 203 | 6.9 | 8.2 | 5.6 |
| ALFASTAR | 29.8 | 17.8 | 104 | 11.31 | 201 | 7.4 | 8.3 | 4.7 |
| ASGAARD | 31.5 | 17.7 | 103 | 11.40 | 201 | 7.6 | 8.3 | 3.6 |
| HOBBIT | 28.9 | 18.1 | 105 | 11.10 | 201 | 7.1 | 7.9 | 3.0 |
| MONTY | 31.8 | 17.7 | 103 | 11.35 | 201 | 6.8 | 8.3 | 4.4 |
| TIBERIO | 29.3 | 18.1 | 105 | 11.09 | 201 | 7.3 | 8.0 | 6.2 |
| FIELDSTAR | 32.7 | 17.4 | 101 | 11.42 | 199 | 7.3 | 8.3 | 6.7 |
| CODITANK | 29.2 | 17.7 | 103 | 11.19 | 198 | 6.4 | 8.3 | 6.0 |
| SY NORDICSTAR | 31.9 | 17.3 | 101 | 11.40 | 197 | 7.3 | 8.2 | 7.0 |
| ES CLUEDO | 29.3 | 18.0 | 105 | 10.94 | 197 | 6.4 | 8.2 | 4.9 |
| BABEXX | 28.3 | 17.9 | 104 | 10.95 | 196 | 6.4 | 8.1 | 5.3 |
| BEETHOVEN | 30.4 | 17.5 | 102 | 11.13 | 195 | 6.8 | 7.9 | 4.9 |
| ES MARCO | 28.5 | 17.6 | 102 | 11.08 | 195 | 6.1 | 8.3 | 7.1 |
| DUALTO | 28.9 | 17.3 | 101 | 11.24 | 194 | 6.3 | 8.2 | 6.8 |
| MAS 11F | 30.1 | 17.3 | 101 | 11.19 | 193 | 6.9 | 8.1 | 4.7 |
| ES LOVELY | 34.0 | 17.2 | 100 | 11.26 | 193 | 7.3 | 8.3 | 3.2 |
| MAS 13M | 29.2 | 18.0 | 105 | 10.63 | 192 | 7.0 | 8.3 | 4.9 |
| ES REGAIN | 33.7 | 16.9 | 98 | 11.31 | 191 | 7.3 | 8.3 | 3.7 |
| CODIGREEN | 27.7 | 17.8 | 104 | 10.70 | 191 | 6.7 | 8.3 | 5.5 |
| KONSULIXX | 29.5 | 17.5 | 102 | 10.79 | 189 | 6.9 | 8.0 | 6.9 |
| ES BALLADE | 31.2 | 16.9 | 99 | 11.16 | 189 | 6.8 | 8.1 | 4.4 |
| ES ATLANTIDE | 31.0 | 16.9 | 98 | 11.15 | 189 | 6.7 | 8.2 | 5.0 |
| ROGOSO | 29.0 | 17.3 | 100 | 10.90 | 188 | 6.4 | 8.3 | 6.2 |
| ES BODYGUARD | 31.5 | 16.6 | 97 | 11.26 | 187 | 6.5 | 8.2 | 6.8 |
| EMMERSON | 37.6 | 16.2 | 94 | 11.45 | 186 | 6.9 | 8.3 | 2.6 |
| ES REMINGTON | 32.7 | 16.7 | 97 | 11.06 | 185 | 7.1 | 8.3 | 4.0 |
| ES ARDENT | 35.3 | 15.7 | 92 | 11.22 | 176 | 6.4 | 8.3 | 5.8 |
| | | | | | | | | |
| | | | | | | | | |
| Trial statistics | | | | | | | | |
| Mean of 4&5 year varieties | 32.5 | 17.2 | 100 | 11.34 | 195 | 7.0 | 8.2 | - |
| LSD (V.Cont) | 0.86 | 0.49 | 2.9 | 0.122 | - | 0.35 | - | - |
| SE (variety mean) | 0.435 | 0.251 | 1.45 | 0.0614 | - | 0.174 | - | - |
| | | | | | | | | |

Notes:

ME is calculated as D-value x 0.16

Eyespot rating derived from inoculated nurseries rather than field scores.



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

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.

FORAGE MAIZE FOR ANAEROBIC DIGESTION

Varieties for less favourable sites (2018)

| 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 (1000's MJ/ha) | Early vigour 9=good 1=poor | Standing power at harvest (root lodging) 9=good 1=poor | Eyespot rating (1-9) |
|-------------------------|---------------------------------|-----------------------|--|---|---|-------------------------------|--|----------------------|
| EMMERSON | 37.2 | 15.9 | 96 | 11.29 | 180 | 6.9 | 8.3 | 2.6 |
| ES ARDENT | 35.2 | 15.4 | 93 | 11.05 | 171 | 6.4 | 8.3 | 5.8 |
| ES REGAIN | 33.1 | 16.5 | 99 | 11.16 | 185 | 7.3 | 8.3 | 3.7 |
| ES LOVELY | 33.0 | 16.6 | 100 | 11.07 | 183 | 7.2 | 8.3 | 3.2 |
| ES REMINGTON | 32.0 | 16.6 | 99 | 10.92 | 181 | 7.2 | 8.2 | 4.0 |
| FIELDSTAR | 31.6 | 17.4 | 104 | 11.20 | 194 | 7.4 | 8.2 | 6.7 |
| BONNIE | 30.7 | 17.3 | 104 | 11.38 | 197 | 7.1 | 8.2 | 5.5 |
| MONTY | 30.6 | 17.4 | 105 | 11.19 | 195 | 6.7 | 8.2 | 4.4 |
| SY NORDICSTAR | 30.6 | 16.9 | 102 | 11.18 | 189 | 7.3 | 8.2 | 7.0 |
| GATSBY | 30.5 | 17.5 | 105 | 11.19 | 195 | 7.0 | 8.2 | 5.1 |
| ES BODYGUARD | 30.4 | 16.0 | 96 | 11.09 | 178 | 6.2 | 8.2 | 6.8 |
| ES BALLADE | 30.3 | 16.6 | 100 | 10.94 | 182 | 6.4 | 8.2 | 4.4 |
| ES ATLANTIDE | 30.3 | 16.2 | 97 | 11.13 | 180 | 6.5 | 8.2 | 5.0 |
| ABSALON | 30.2 | 17.2 | 103 | 11.33 | 195 | 6.7 | 8.2 | 5.6 |
| ASGAARD | 30.1 | 17.1 | 103 | 11.26 | 193 | 7.5 | 8.3 | 3.6 |
| ES CLUEDO | 28.8 | 17.5 | 105 | 10.81 | 190 | 6.1 | 8.2 | 4.9 |
| MAS 11F | 28.8 | 16.4 | 98 | 11.01 | 180 | 6.7 | 8.2 | 4.7 |
| TIBERIO | 28.7 | 17.6 | 106 | 10.92 | 192 | 7.1 | 8.1 | 6.2 |
| MAS 13M | 28.7 | 17.4 | 105 | 10.60 | 185 | 7.0 | 8.2 | 4.9 |
| KONSULIXX | 28.6 | 17.0 | 102 | 10.61 | 181 | 6.9 | 8.1 | 6.9 |
| CATHY | 28.4 | 17.5 | 105 | 10.97 | 192 | 6.9 | 8.3 | 4.6 |
| CODITANK | 28.3 | 16.8 | 101 | 11.05 | 186 | 6.3 | 8.3 | 6.0 |
| ROGOSO | 28.1 | 16.8 | 101 | 10.82 | 182 | 6.2 | 8.3 | 6.2 |
| DUALTO | 27.9 | 16.6 | 100 | 11.19 | 186 | 6.2 | 8.3 | 6.8 |
| HOBBIT | 27.4 | 17.4 | 105 | 10.88 | 190 | 7.0 | 8.1 | 3.0 |
| ES MARCO | 27.4 | 17.1 | 103 | 10.94 | 187 | 6.1 | 8.3 | 7.1 |
| CODIGREEN | 27.2 | 17.1 | 103 | 10.56 | 181 | 6.4 | 8.3 | 5.5 |
| | | | | | | | | |
| Trial statistics | | | | | | | | |
| Mean of 4&5 year varie | 32.2 | 16.7 | 100 | 11.18 | 186 | 6.9 | 8.2 | - |
| LSD (V.Cont) | 1.04 | 0.49 | 2.9 | 0.148 | - | 0.44 | - | - |
| SE (variety mean) | 0.523 | 0.248 | 1.49 | 0.0745 | - | 0.221 | - | - |
| | | | | | | | | |

Notes:

ME is calculated as D-value x 0.16

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