

# Drought Tolerant maize for farmer adaptation to drought in sub-Saharan Africa: Determinants of adoption in East and Southern Africa: Fisher et al.

## Supplemental Resource 2

Table S1. Drought Tolerant Maize for Africa (DTMA) varieties developed 2007-2013, by study country.

| Country  | Release name | Year of release | Hybrid/ OPV | Maturity range <sup>a</sup> | Grain yield (tons/ha) |
|----------|--------------|-----------------|-------------|-----------------------------|-----------------------|
| Ethiopia | Melkasa5     | 2008            | OPV         | Early-intermediate          | 3.5 – 4.0             |
| Ethiopia | Melkasa6Q    | 2008            | OPV         | Early                       | 3.0 – 4.0             |
| Ethiopia | Melkasa7     | 2008            | OPV         | Early                       | 3.0 – 4.0             |
| Ethiopia | Gibe-2       | 2011            | OPV         | Early-intermediate          | 4.5 – 5.0             |
| Ethiopia | BH661        | 2011            | Hybrid      | Late                        | 6.5 – 8.5             |
| Ethiopia | MH130        | 2012            | Hybrid      | Early                       | 5.0 – 6.0             |
| Ethiopia | MH138Q       | 2012            | Hybrid      | Intermediate                | 5.5 – 6.5             |
| Ethiopia | MH140        | 2013            | Hybrid      | Intermediate                | 6.5 – 7.5             |
| Ethiopia | Melkassa-1Q  | 2013            | OPV         | Extra early                 | 2.5 – 3.5             |
| Ethiopia | BH546        | 2013            | Hybrid      | Intermediate                | 6.5 – 7.5             |
| Ethiopia | BH547        | 2013            | Hybrid      | Intermediate                | 6.5 – 7.5             |
| Malawi   | SC719        | 2008            | Hybrid      | Late                        | 6.0 – 8.0             |
| Malawi   | PAN53        | 2008            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | CAP9001      | 2009            | Hybrid      | Late                        | 5.0 – 7.0             |
| Malawi   | ZM309        | 2009            | OPV         | Very early                  | 3.0 – 5.0             |
| Malawi   | ZM523        | 2009            | OPV         | Early                       | 5.0 – 7.0             |
| Malawi   | Chitedze 4   | 2009            | OPV         | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH27         | 2010            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH28         | 2010            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH30         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH31         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH32         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH33         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH34         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH35         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH36         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH37         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Malawi   | MH38         | 2013            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Tanzania | WH403        | 2007            | Hybrid      | Intermediate                | 5.0 – 7.0             |
| Tanzania | WH502        | 2007            | Hybrid      | Late                        | 5.0 – 7.0             |
| Tanzania | WH505        | 2007            | Hybrid      | Late                        | 3.0 – 4.0             |
| Tanzania | ZM623        | 2007            | OPV         | Intermediate-late           | 5.0 – 7.0             |
| Tanzania | VumiliaH1    | 2009            | Hybrid      | Late                        | 6.0 – 8.0             |
| Tanzania | HB405        | 2012            | Hybrid      | Extra early-early           | 5.0 – 7.0             |
| Tanzania | HB513        | 2012            | Hybrid      | Early                       | 6.0 – 8.0             |

|          |                 |      |        |                    |             |
|----------|-----------------|------|--------|--------------------|-------------|
| Tanzania | HB623           | 2012 | Hybrid | Late               | 6.0 – 8.0   |
| Tanzania | TZM 523         | 2012 | OPV    | Intermediate       | 5.0 – 7.0   |
| Tanzania | TZH 636         | 2012 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Tanzania | TZH 538         | 2012 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Tanzania | TZH 417         | 2012 | Hybrid | Early-intermediate | 6.0 – 8.0   |
| Tanzania | NATA H104       | 2013 | Hybrid | Early-intermediate | 5.0 – 7.0   |
| Tanzania | NATA H105       | 2013 | Hybrid | Early-intermediate | 5.0 – 7.0   |
| Uganda   | Longe 9H        | 2009 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Uganda   | Longe 10H       | 2009 | Hybrid | Intermediate       | > 8.0       |
| Uganda   | Longe 11H       | 2009 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Uganda   | UH 5051         | 2012 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Uganda   | UH 5052         | 2012 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Uganda   | UH 5053         | 2012 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Uganda   | VPMAX           | 2012 | OPV    | Intermediate       | 3.0 – 5.0   |
| Uganda   | UH5354          | 2013 | Hybrid | Intermediate-late  | > 8.0       |
| Uganda   | UH5355          | 2013 | Hybrid | Intermediate-late  | > 8.0       |
| Zambia   | PGS53           | 2007 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Zambia   | PGS71           | 2007 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Zambia   | KAM601          | 2008 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Zambia   | KAM602          | 2008 | Hybrid | Intermediate       | 6.0 – 8.0   |
| Zambia   | SC721           | 2008 | Hybrid | Very late          | 6.0 – 8.0   |
| Zambia   | CAP5901         | 2010 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Zambia   | SC727           | 2010 | Hybrid | Late               | 6.0 – 8.0   |
| Zambia   | ZMS606          | 2010 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Zambia   | ZMS623          | 2012 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Zambia   | ZM423           | 2007 | OPV    | Early              | 5.0 – 7.0   |
| Zambia   | ZM523           | 2008 | OPV    | Early              | 5.0 – 7.0   |
| Zambia   | ZM625           | 2008 | OPV    | Intermediate       | 5.0 – 7.0   |
| Zambia   | ZM721           | 2008 | OPV    | Late               | 5.0 – 7.0   |
| Zambia   | Nelson's Choice | 2010 | OPV    | Intermediate       | 5.0 – 7.0   |
| Zambia   | MMV409          | 2011 | OPV    | Very early         | 3.0 – 5.0   |
| Zambia   | GV 635          | 2013 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Zambia   | GV 638          | 2013 | Hybrid | Intermediate       | 5.0 – 7.0   |
| Zambia   | GV 628          | 2013 | Hybrid | Early              | 5.0 – 7.0   |
| Zimbabwe | ZAP51           | 2007 | Hybrid | Intermediate       | 7.0 – 9.0   |
| Zimbabwe | ZAP61           | 2007 | Hybrid | Intermediate       | 10.0 – 12.0 |
| Zimbabwe | ZM309           | 2009 | OPV    | Very early         | 5.0 – 7.0   |
| Zimbabwe | ZM401           | 2009 | OPV    | Early              | 5.0 – 7.0   |
| Zimbabwe | Pris 601        | 2010 | Hybrid | Intermediate       | 6.0 – 7.0   |
| Zimbabwe | ZM527           | 2010 | OPV    | Early              | 4.0 – 6.0   |
| Zimbabwe | ZS263           | 2010 | Hybrid | Early-Intermediate | 5.0 – 9.0   |
| Zimbabwe | ZS265           | 2010 | Hybrid | Intermediate       | 7.0 – 12.0  |
| Zimbabwe | PAN3M-41        | 2013 | Hybrid | Early              | ≤ 8.0       |
| Zimbabwe | PGS53           | 2013 | Hybrid | Intermediate       | > 6.0       |

|          |       |      |        |             |           |
|----------|-------|------|--------|-------------|-----------|
| Zimbabwe | SC301 | 2013 | Hybrid | Extra early | 3.0 – 4.0 |
|----------|-------|------|--------|-------------|-----------|

- a. Extra early = those maturing in less than 100 days; early = 100-110 days; early/intermediate = 110-120 days; intermediate = 125-135 days; late = 135-145 days.