DTMA Drought Tolerant Maize for Africa

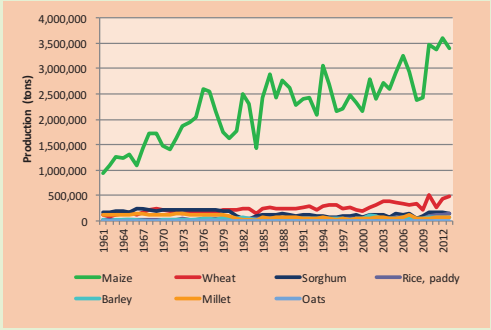
CIMMYT International Maize and Wheat Improvement Center

IITA Research to Nourish Africa

KALRO Kenya Agricultural & Livestock Research Organisation

Maize Variety Options for Africa

Maize is by far the largest contributor of food security in Kenya. Maize productivity growth has been slow owing to recurrent drought; the advent of MLN (Maize Lethal Necrosis) has increased the challenges of maize production in Kenya.



More than a dozen drought tolerant maize varieties have been released under DTMA

Drought tolerant maize varieties released under DTMA

Variety name	Release year	Hybrid/ OPV	Maturity range	Color	Owner	Suitable agro-ecologies	Yield (tons/ha)
KDV2	2007	OPV	Early (100-110 days)	White	DLS	Dry mid-altitude	3.0-4.0
KDV3	2007	OPV	Early (100-110 days)	White	FRESHCO	Dry mid-altitude	3.0-4.0
KDV4	2007	OPV	Early (100-110 days)	White	DLS	Dry mid-altitude	3.0-4.0
KDV6	2007	OPV	Early (100-110 days)	White	FRESHCO	Dry mid-altitude	3.0-4.0
KSDT01	2011	OPV	Early (100-110 days)	White	KSC	Dry mid-altitude	4.0-5.0
KDH3	2012	Hybrid	Early (100-110 days)	White	DLS	Dry mid-altitude	5.0-6.0
KM1101	2012	Hybrid	Late (135-145 days)	White	KALRO	Wet lower/upper mid-altitude	8.0-10.0
DSL H103	2013	Hybrid	Early-Int (110-120)	White	DLS	Dry mid-altitude	5.0-6.0
KM1201	2013	Hybrid	Late (135-145 days)	White	KALRO	Wet lower/upper mid-altitude	8.0-9.0
EMH1101	2013	Hybrid	Intermediate (125-135)	White	KALRO	Moist mid-altitude	8.0-9.0
H12ML	2013	Hybrid	Late (135-145 days)	White	KSC	Wet lower/upper mid-altitude	9.0-10.0
CKH10767	2014	Hybrid	Late (135-145 days)	White	FRESHCO	Wet lower/upper mid-altitude	8.0-9.0
CKH10773	2014	Hybrid	Late (135-145 days)	White	KALRO	Wet lower/upper mid-altitude	8.0-9.0
H13ML	2014	Hybrid	Intermediate (125-135)	White	KSC	Wet lower mid-altitude	8.0-9.0

Kenya's vibrant seed system has been in the forefront of multiplying drought tolerant maize varieties in large quantities. The amount in 2013 declined due to low sale, following the MLN scare.

Women are major beneficiaries of the new drought tolerant maize varieties.

Priorities:

- Speeding up variety release process
- Relaxing seed inspection requirements
- Replacing old varieties

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