

# Uganda

## Maize Profile



FAO 2011  
<http://www.worldbank.org/en/country/uganda>  
 (Ministry of Finance, Planning and Economic Development, 2014), (USAID, 2016)

Total cultivable area

**16.7 M ha**

Total area under maize cultivation

**1.0 M ha**



Average smallholder farmer yield

**2.5 t/ha**

Total annual national maize production

**2.6 M tons**



(FAO, 2006) (Agriculture Sector Strategy, 2010)  
 Uganda bureau of statistics, 2010  
 (IFPRI, 2011): (Okoboi and Mwebaze, 2012)  
 FAO, 2016

**30%** Female headed households in 2015

**57%** Households growing improved maize varieties

**14%** Smallholder households growing DT maize

**86%** Households growing maize



**4 MILLION** Number of smallholder farmer households



Integrated Seed Sector Development Programme in Uganda, 2014  
 DTMASS, 2016 (Unpublished reports)  
 Haggblade and Dewina, 2010  
 (INACHEE, 2013; UBOS 2007)  
<http://www.yieldgap.org/uganda>; (UBOS 2007)



**USAID**  
 FROM THE AMERICAN PEOPLE



**DTMASS**  
 Drought Tolerant Maize  
 for Africa Seed Scaling

## DTMASS Project highlights

**12**

Number of seed production partners



**13**

DT varieties being scaled under DTMASS



**700**

Tons of DT maize produced under DTMASS in 2016 (certified seed)



**34.8**

Tons of DT early generation seed supported by DTMASS in 2016 (basic and breeder seed)



**54,264**

Number of farmers reached through DTMASS in 2016



**Key traits of maize varieties**



Tolerance to:

**Drought** (all varieties)  
**Maize Lethal Necrosis (MLN)** (select varieties)  
**Striga** (select varieties)

Resistance to:

**Taro Leaf Blight (TLB)** (most varieties)  
**Gray Leaf Spot (GLS)** (most varieties)

## National maize consumption

**0.4 MILLION**  
tons



**11%** Contribution of maize in total national calorie intake as of 2004/5 national survey

(FAO, 2014)  
(World bank, 2009): (Haggblade and Dewina, 2010)

## Smallholder farmer information

**90%**

of smallholder farmers have access to a mobile phone

**65%**

of smallholder farmers have/own a mobile phone



**24%**

of smallholder farmers use SMS to access agricultural information

**17.7%**

Internet penetration in 2014

## Top 5 maize varieties used by smallholders

Longe 5

Longe 1

Longe 10H

Longe 4

Longe 6H



(Mercy Corps, 2016) Siani, 2012  
Uganda bureau of statistics, 2015  
<http://www.africa-uganda-business-travel-guide.com/>  
DTMASS, 2016 (Unpublished reports)



Annual maize imports

**490** tons  
in 2013



Annual maize exports

**100,000**  
tons in 2013

FAO, 2014

## Annual precipitation



**855 to**  
**1,703**  
mm

## Major cropping systems used



Intercropping,  
conservation  
agriculture,  
crop rotation,  
mixed cropping

Uganda bureau of statistics, 2014  
<http://www.clusauganda.co.ug/content/crop-rotation>

## Top maize producers



NASECO  
FICA  
Pearl Seeds

Victoria Seeds  
Equator  
SIMBA  
Otis  
Grow More  
Masindi  
East Africa Seed  
Monsanto

DTMASS, 2016 (Unpublished reports)

## About CIMMYT

**CIMMYT - The International Maize and Wheat Improvement Center** - is the global leader in publicly-funded maize and wheat research and related farming systems. Headquartered near Mexico City, CIMMYT works with hundreds of partners throughout the developing world to sustainably increase the productivity of maize and wheat cropping systems, thus improving global food security and reducing poverty. CIMMYT is a member of the CGIAR System Organization and leads the CGIAR Research Programs on Maize and Wheat. The Center receives support from national governments, foundations, development banks and other public and private agencies.

**About DTMASS** - The Drought Tolerant Maize for Africa Seed Scaling (DTMASS) project develops and disseminates evidence-based content to external stakeholders, including seed companies and farmers, to inform production and purchase decisions regarding drought tolerant maize varieties. This involves, in part, assembling key seed sector data collected from years of research by CIMMYT and its partners, and various other trusted sources, in an accessible and easy-to-use format.

DTMASS works in six countries in eastern and southern Africa to produce and deploy affordable drought tolerant, stress resilient, and high-yielding maize varieties for smallholder farmers. To promote these improved varieties, DTMASS combines traditional print material and mobile-based applications to share agronomy and other agricultural information directly with farmers.

Led by the International Maize and Wheat Improvement Center (CIMMYT), and funded by the United States Agency for International Development (USAID), DTMASS is implemented through strategic partnerships with national agricultural research systems, as well as public and private seed producers.



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