

CROP VARIETIES Released under the Agricultural Productivity Programme for Southern Africa (APPSA) - ZAMBIA



Background

- » Led by Zambia, which is the Food Legumes Regional Centre of Leadership (RCoL), the legume research teams from Malawi, Mozambique and Zambia identified the following Crop improvement thematic areas for regional research collaboration:
 - Varietal development and adaptation for abiotic and biotic stresses; high oil and protein content:
 - Focus on drought tolerance, early maturity and consumption qualities (e.g., oil and protein content, leaf size, taste).
 - Focus on addressing major pest and diseases that affect legume crops within the region: for beans (bean stem maggot, bean fly); for soybean (Asian soybean rust, Brown Spot or Red Leafy Blotch); and for cowpea (fungal disease, aphids, legume pod borers, mosaic virus), among others.
- » In addition to releasing new legume varieties, Zambia also released improved maize and rice varieties

Cowpea Varieties

MTILIZI (CP2) 1-1.5 T ha-1 75 dys to maturity Tolerant to Storage

LUKUSUZI
1-2.5 T ha-1
80 dys to maturity
Tolerant to Ascochyta
& Cercospora

LUNKHWAKWA
1-2.5 T ha-1
80 dys to maturity
Tolerant to Ascochyta
& Mosaic Virus

LUPANDE
1.5 - 2 T ha⁻¹
90-100 dys to
maturity
Dual purpose;
Drought tolerant

Wazitatu
1.5 - 2 T ha-1
100-110 dys to
maturity
Tolerance to
drought & early
Leaf spot

WAMUSANGA
1.5 - 2 T ha⁻¹
85-90 dys to
maturity
Drought tolerant

Groundnut Varieties

MGV-7
2.5 - 3 T ha-1
120-130 dys to
maturity
Tolerant to Leaf
spot & rosette

50-52% Oil

Pigeon Pea Varieties

MPPV-2
2-3 T ha-1
170 - 180 dys to maturity
Drought tolerant
Medium tolerance
to Fusarium wilt

MPPV-3
1.5 – 2.5 T ha⁻¹
150 - 165 dys to maturity
Drought tolerant
Medium tolerance
to Fusarium wilt

1.5 – 2.5 That 150 - 165 dys to maturity Medium tolerance to Fusarium wilt Good for ratoon

Rice Varieties

MISAMFU-2 6 T ha-1 Aromatic Long & slender grain MISAMFU-3 8 T ha-1 Mild scented Extra long & slender grain

Super G 5 T ha-1 Aromatic Extra long & slender grain,

Multiple stress tolerant Maize Varieties

GV 693 8-10t/ha Medium maturing

MGV-6

2.5 - 3 T ha⁻¹

115-125 dys to

Rosette tolerant;

maturity

45% Oil

GVMSV
8-10 T ha-1
Early maturing
Tolerant to grey
leaf spot, Turcicum
leaf blight,
Ear rot

GV 642 8-10t/ha Medium maturing Drought tolerant

GV 662A 8-10t/ha Pro-Vitamin A Moderate tolerance to MLND

Quality Protein Maize Varieties

MGV-8

1.5 - 2 T ha⁻¹

120-130 dys to

Tolerant to Early

Resistant to rosette

maturity

Leaf spot

GV 682P
8-9 T ha-1
Medium to late
maturity
Lysine (4.2g/100g),
Tryptophan
(0.9g/100g

GV 687P
8-9 T ha-1
Medium to late
maturity
Lysine (4.2g/100g),
Tryptophan
(0.9g/100g

Bean Varieties

LUNGA
1.5 - 2 T ha-1
85 - 90 dys to
maturity
Resistant to Angular
Leaf Spot (ALS) &
Common Bacterial
Blight (CBB)

LUNGWEBUNGU
1.5 – 2 T ha⁻¹
85-90 dys to
maturity
Resistant to ALS,
CBB, Rust &
Anthracnose





