



**KCEP-CRAL**



**KENYA CEREAL ENHANCEMENT PROGRAMME -  
CLIMATE RESILIENT AGRICULTURAL LIVELIHOOD(WINDOW)**



## MAKUENI COUNTY MARCH-APRIL-MAY -2022 AGRO-ADVISORY

### Upper AEZ zone (Wards: Mbooni, Mukaa, Kithungu/Kitundu, Mbitini)

- Expected rainfall amount range: 400-456mm(**Normal to Near normal**)
- Rainfall is expected to start on **3<sup>rd</sup> to 4<sup>th</sup> week of March-2022** and stop from **2<sup>rd</sup> to 3<sup>rd</sup> May 2022**
- Expected distribution: The rains distribution is expected to be good

	Recommended actions	Responsible
Hazards and Risks	<ul style="list-style-type: none"> <li>▪ Drought,</li> <li>▪ famine</li> <li>▪ flash floods,</li> <li>▪ pests and diseases outbreak</li> </ul>	NGOS,MDAS
Opportunities	Water harvesting	
advisories for Maize	<ul style="list-style-type: none"> <li>○ Crop varieties               <ul style="list-style-type: none"> <li>▪ DUMA 43</li> <li>▪ DK8031</li> <li>▪ SUNGURA</li> <li>▪ SAWA</li> <li>▪ PIONEER 3253</li> <li>▪ DK 8031/8033</li> <li>▪ Pioneer P28</li> <li>▪ DH04,DHO2</li> <li>▪ KISHINDO</li> </ul> </li> <li>○ Planting dates 2/3<sup>rd</sup> week of March-2022</li> <li>○ Maturity 2<sup>nd</sup> week June-2022</li> <li>○ Harvest from 2<sup>nd</sup> week of July 2022</li> </ul>	Farmers, VCAs, WAOS
advisories for Beans	<p>Farmers are advised to plant the following crop varieties</p> <ul style="list-style-type: none"> <li>▪ KAT X56</li> <li>▪ KAT B1</li> <li>▪ KAT X 69</li> <li>▪ GLP 92</li> <li>▪ GLP1004</li> </ul> <p>Planting dates- 2/3<sup>rd</sup> week March-2022 Maturity dates: 2<sup>nd</sup> week May-2022 Harvest dates: 3<sup>rd</sup> week July-2022</p>	Farmers, VCAs, WAOS

Measures for water conservation	Terracing ,contour farming, farm yard manure application, road runoff harvesting into retaining ditches, water ponds, water pans, mulching, planting of cover crops like pumpkins and sweet potatoes Roof water harvesting	Farmers, VCAs, WAOS
Risks	<ul style="list-style-type: none"> <li>• Landslides</li> <li>• Malaria outbreak</li> <li>• Water borne diseases</li> <li>• Soil erosion</li> <li>• Impassable roads</li> </ul>	Farmers, VCAs, WAOS
opportunities	<ul style="list-style-type: none"> <li>• High yield/optimum</li> <li>• Water harvesting</li> <li>• Availability of clean water</li> <li>• Hay harvesting</li> </ul>	
Impacts	<ul style="list-style-type: none"> <li>✓ Food and nutrition security</li> <li>✓ Security improvement</li> <li>✓ Natural pasture improvement</li> <li>✓ Reduced human wildlife conflict.</li> </ul>	

**Middle AEZ zone (Tulimani, Kako/waia Kisau/Kiteta, Kasikeu, Kiima/Kiu, Kalamba, Mavindini, Emali/Mulala, Wote, Muvau/Kikumini)**

- Expected rainfall amount range: 300-350mm(**Normal to Near normal**)
- Rainfall is expected to start on **3<sup>rd</sup> to 4<sup>th</sup> week of March-2022** and stop from **2<sup>nd</sup> to 3<sup>rd</sup> May 2022**
- Expected distribution: The rains distribution is expected to be good

	Recommended actions	Responsible
Maize	crop varieties <ul style="list-style-type: none"> <li>▪ DUMA 43</li> <li>▪ KDV ¼</li> <li>▪ DH01/02</li> <li>▪ DH04/DK 8031</li> </ul> Planting dates- 14-19 <sup>th</sup> March 2022 Dates of maturity 4 <sup>th</sup> week June Harvest dates 1 <sup>st</sup> to 26 <sup>th</sup> July 2022	Farmers, VCAs, WAOS
Beans	Crop varieties <ul style="list-style-type: none"> <li>▪ Kat beans</li> <li>▪ Katex 56</li> <li>▪ Nyota</li> <li>▪ Rose coco</li> <li>▪ Muitevania</li> </ul> Planting dates- 14-19 <sup>th</sup> March 2022 Dates of maturity 4 <sup>th</sup> week May 2022 Harvest dates 1 <sup>st</sup> to 6 <sup>th</sup> June(pulses) 2022	Farmers, VCAs, WAOS

Cow peas	<p>Crop varieties</p> <ul style="list-style-type: none"> <li>▪ KVU-27</li> <li>▪ M66</li> <li>▪ K80</li> <li>▪ Kunde Tamu</li> <li>▪ Kunde soko</li> </ul>	Farmers, VCAs, WAOS
Water conservations	<ul style="list-style-type: none"> <li>▪ Farm ponds</li> <li>▪ Zay pits</li> <li>▪ Cut off drains</li> <li>▪ Conservation agriculture (CA)</li> <li>▪ Terraces(Fanya Juu)</li> <li>▪ Roof water harvesting</li> </ul>	Farmers WAO
Risks	<ul style="list-style-type: none"> <li>• Landslides</li> <li>• Malaria outbreak</li> <li>• Water borne diseases</li> <li>• Soil erosion</li> <li>• Impassable roads</li> </ul>	Governments at both levels NGOS
opportunities	<ul style="list-style-type: none"> <li>• High yield/optimum</li> <li>• Water harvesting</li> <li>• Availability of clean water</li> <li>• Hay harvesting</li> </ul>	
Impacts	<ul style="list-style-type: none"> <li>✓ Food and nutrition security</li> <li>✓ Security improvement</li> <li>✓ Natural pasture improvement</li> <li>✓ Reduced human wildlife conflict.</li> </ul>	

**Lower AEZ zone (Makindu, Nguu/Masumba, Kalawa, Kikumbulyu South, Kikumbulyu North, Nguumo, Thange, Nzambani/Vingoni, Mavindini, Kathonzweni, Kitse/kithuki, Masongaleni, Mtito Andei)**

- Expected rainfall amount range: 255-300mm(Normal to Near normal)
- Rainfall is expected to start on **3<sup>rd</sup> to 4<sup>th</sup> week of March-2022** and stop from **2<sup>rd</sup> to 3<sup>rd</sup> May 2022**
- Expected distribution: The rains distribution is expected to be good

	Recommended actions	Responsible
Green grams	<p>Crop varieties</p> <ul style="list-style-type: none"> <li>▪ KS20</li> <li>▪ N26</li> <li>▪ Biashara</li> <li>▪ Karembo</li> </ul> <p>Planting dates: 3<sup>rd</sup> week March 2022 Expected Maturity 3<sup>rd</sup> week May 2022 Harvesting Dates 1<sup>st</sup> week June 2022</p>	Farmers WAO
Sorghum	<p>Crop varieties</p> <ul style="list-style-type: none"> <li>▪ Gradam</li> </ul>	Farmers, WAO

	<ul style="list-style-type: none"> <li>▪ Serena</li> <li>▪ Seredo</li> <li>▪ KARI mtaama1</li> </ul> <p>Planting dates: 2<sup>nd</sup> week March 2022  Expected Maturity 1<sup>st</sup> week June 2022  Harvesting Dates 3<sup>rd</sup> week June 2022</p>	
Cowpeas	<p>Crop varieties</p> <ul style="list-style-type: none"> <li>▪ K80</li> <li>▪ M66</li> <li>▪ Kunde 1</li> <li>▪ KVVU-27</li> </ul> <p>Planting dates: 3<sup>rd</sup> week March 2022  Expected Maturity 3<sup>rd</sup> week May 2022  Harvesting Dates 1<sup>st</sup> week June 2022</p>	Farmers, WAO
Pearl Millet	Farmers can also plant pearl millet	Farmers, WAO
Water conservations	<ul style="list-style-type: none"> <li>▪ Farm ponds</li> <li>▪ Zay pits</li> <li>▪ Cut off drains</li> <li>▪ Conservation agriculture (CA)</li> <li>▪ Terraces(Fanya Juu)</li> <li>▪ Roof water harvesting</li> </ul>	Farmers WAO
Risks	<ul style="list-style-type: none"> <li>• Landslides</li> <li>• Malaria outbreak</li> <li>• Water borne diseases</li> <li>• Soil erosion</li> <li>• Impassable roads</li> </ul>	County and national governments NGOS
opportunities	<ul style="list-style-type: none"> <li>• High yield/optimum</li> <li>• Water harvesting</li> <li>• Availability of clean water</li> <li>• Hay harvesting</li> </ul>	
Impacts	<ul style="list-style-type: none"> <li>✓ Food and nutrition security</li> <li>✓ Security improvement</li> <li>✓ Natural pasture improvement</li> <li>✓ Reduced human wildlife conflict.</li> <li>✓ Less domestic conflicts</li> <li>✓ Less school dropouts</li> <li>✓ Less crime rates.</li> </ul>	

Compiled by: Kimaita Bundi (CDM)

**Officers present during the PSP**

Jonathan Munyao (PDO)

Pascaline Chemayio (Backstops)

Mathew Wambua (Oic-Makindu)

Paul Kavithi (WAO)

Julius Kinyanye (WAO-WOTE)

Amos Wambua (WAO-Mavindini)