



**REPUBLIC OF KENYA  
COUNTY GOVERNMENT OF BUNGOMA**

**DEPARTMENT OF AGRICULTURE, IRRIGATION AND CO-OPERATIVES**

COUNTY DIRECTOR OF AGRICULTURE

P.O Box 33-50200

Bungoma

15<sup>th</sup> November 2023

**INTERNAL MEMO**

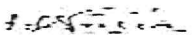
**TO: The County Director of Agriculture**

**FROM: County Monitoring, Evaluation and Budgets Officer**

**AGRICULTURE DIRECTORATE REPORT- NOVEMBER 2023**

Find attached the Farm Input support programme Monitoring and Evaluation report for your perusal and reference.

Thank you

  
Benson Masinde

County Monitoring, Evaluation and Budgets Officer

Bungoma

CC

Chief officer-Agriculture and

Irrigation



**REPUBLIC OF KENYA**

**COUNTY GOVERNMENT OF BUNGOMA**  
**DEPARTMENT OF AGRICULTURE, IRRIGATION**  
**AND**  
**CO-OPERATIVE**  
**FARM INPUT SUPPORT PROGRAMME MONITORING AND EVALUATION**  
**REPORT**  
**NOVEMBER 2023**



**COMPILED AND PREPARED**  
**BY**  
**BENSON MASINDE**  
**MONITORING AND EVALUATION OFFICER**

**BUNGOMA COUNTY INPUT SUPPORT PROGRAMME MONITORING AND  
EVALUATION REPORT NOVEMBER 2023**

**INTRODUCTION**

The County Government of Bungoma, through the Department of Agriculture, Livestock, Fisheries, Irrigation and Cooperatives, has also been implementing agricultural input support programmes since 2013. These support includes: free issuance of fertilizer and certified maize seed to vulnerable farmers. According to the Kenya National Bureau of Statistics, the Agricultural Sector in Bungoma contributed 43% of the total Gross County Product in 2022. The sector also contributes significantly to other economic activities in the county. The agriculture sector is key towards poverty alleviation in the county and offering employment to the growing county's youthful population.

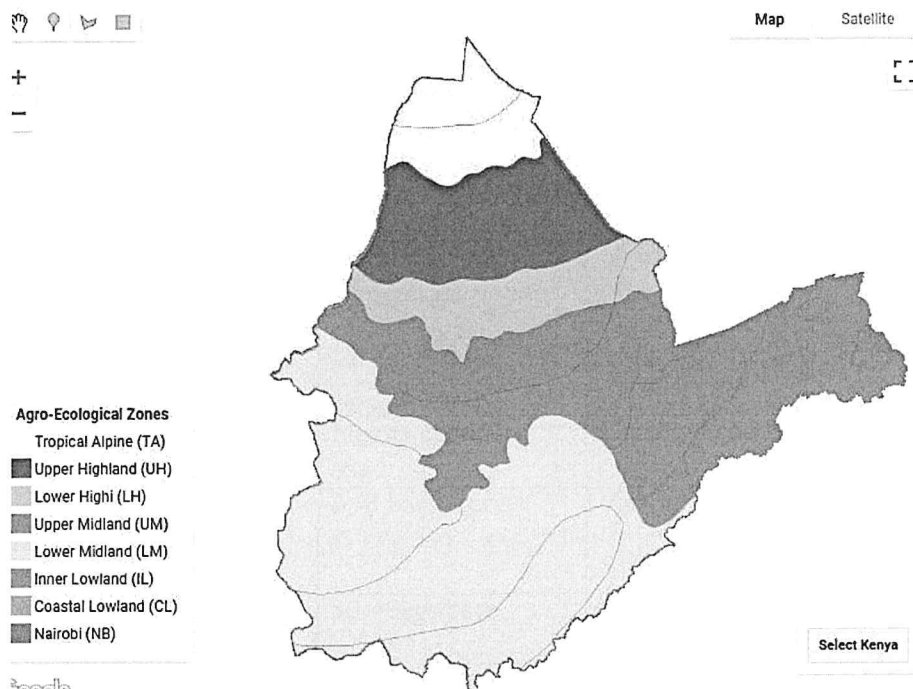
Farm input support programme has been implemented in the county for several years since devolution started. In the FY 2022/23 the county supported 21,900 vulnerable farmers (500 farmers per ward except Khalaba and Township wards which targeted 200 farmers each). Each of the vulnerable farmers received 2 bags of fertilizer (Basal and Top dress) and 10Kg bag of Hybrid maize seed of different varieties depending on the Agro ecological zones.

There was a series of activities in the implementation of the programme during the growing Long rain season in all the wards. This includes;

- 1) Reconstituting of the FISP vetting committees in all the wards
- 2) Sensitization barazas undertaken during before vetting
- 3) The committee vetting of vulnerable farmers
- 4) Distribution of fertilizers to beneficiaries
- 5) Training of farmers by the Maize Value chain officers on Good Agricultural practices
- 6) Monitoring and Evaluation by the sub county and County teams

### **AGRO ECOLOGICAL ZONES IN BUNGOMA COUNTY**

There are different agro ecological zones in the county. Agricultural practices were undertaken on different months in the Long Rain season as per the agro ecological zones (AEZs) across county.



This is as illustrated in the tables below in the four major AEZs (LMs, UMs, LH and UHs)

### **AGRICULTURAL PRACTICES UNDERTAKEN ON MAIZE DURING THE GROWING SEASON IN THREE MAJOR AEZs**

#### **LOW MIDLAND(LM, 2 & 3) -BUMULA, KANDUYI AND WEBUYE WEST**

S/no	Practices	Seed variety and yields last season	Mode of practice	Period undertaken	Expected yields in this season(2023/24)
1	Type of seed used the previous year	Mostly certified seed	Certified seed	Last year LR season	N/A
2	Average Yields harvested previous season	5 -8 bags/Acre	Various last season	Last Year LR season	N/A
3	Average Kgs of fertilizer applied	30-40kgs/acre	Various last season	Last Year LR season	N/A
4	Land preparations(1 <sup>st</sup> and 2 <sup>nd</sup> ploughing)			Mid Feb to Mid-March 2023	
5	Mode of land preparation		Mostly hand digging and Ox plough A few hired tractors		N/A
6	Planting	H516,WH507,		3 <sup>rd</sup> to 4 <sup>th</sup> week of	

		WH505 and KS 513 Maize varieties		March 2023	
7	1 <sup>st</sup> Weeding			1 <sup>st</sup> and 2 <sup>nd</sup> week of April 2023	
8	2 <sup>nd</sup> weeding			3 <sup>rd</sup> and 4 <sup>th</sup> Week 9 April 2023	
10	Top dressing			410 <sup>th</sup> week of April 2023	
11	Management of pests and diseases		Early planting, Spraying of agrochemicals, Field hygiene, rogueing, ITK	March, April and May 2023	
12	Harvesting, drying and shelling		Done by manually	July-September 2023	
13	Postharvest handling		Most farmers had storage facilities	July-September 2023	
14	Average yields for the AEZs(LM)				14 bags(90kgs)/Acre

UPPER MIDLAND (UM) 1, 2, 3 & 4(KABUCHAI, WEBUYE EAST, PARTS OF KIMILILI AND SISIRISIA, AND TONGAREN, SUB COUNTIES)

S/no	Practices	Seed variety and yields last season	Mode of practice	Period undertaken	Expected yields in this season(2023lr)
1	Type of seed used the previous year	Mostly certified seed	Certified seed	Last year LR season	N/A
2	Average Yields harvested previous season	9-15 bags/Acre	Various last season	Last Year LR season.	N/A
3	Average Kgs of fertilizer applied	50Kgs /acre	Various last season	Last Year LR season.	N/A
4	<u>Land preparations(1<sup>st</sup> and 2<sup>nd</sup> ploughing)</u>			4 <sup>th</sup> week of Feb to Mid-March 2023	<u>N/A</u>
5	Mode of land preparation		Ox plough and Tractors		<u>N/A</u>
6	Planting	H517 and H6213 , Maize variety		2 <sup>nd</sup> week to 4 <sup>th</sup> week March 2023	
7	1 <sup>st</sup> Weeding			4 <sup>th</sup> week March to 2 <sup>nd</sup>	

				week of April 2023	
8	2 <sup>nd</sup> weeding			4 <sup>th</sup> Week April 2023	
9	Top dressing			4 <sup>th</sup> week of April 2023	
10	Management of pests and diseases		Early planting, Spraying of agrochemicals, Field hygiene, rogueing, ITK,	March, April and May 2023	
12	Harvesting, Drying and shelling		Done by manually	September-October 2023	
13	Postharvest handling		Most farmers had storage facilities	September-November 2023	
14	Average yields for the AEZs(LM)				16.7 bags(90kgs)/Acre

**UPPER HIGHLAND AND LOWER HIGH LAND (UH & LH) (MT ELGON AND TONGAREN SUB COUNTIES)**

S/no	Practices	Seed variety and yields last season	Mode of practice	Period undertaken	Expected yields in this season(2023lr)
1	Type of seed used the previous year	Mostly certified seed	Certified seed	Last year LR season	N/A
2	Average Yields harvested previous season	15-20 bags/Acre	Various last season	Last Year LR season	N/A
3	Average Kgs of fertilizer applied	50Kgs/acre	Various last season	Last Year LR season	N/A
4	Land preparations(1 <sup>st</sup> and 2 <sup>nd</sup> ploughing)		Use of ox plough, hired and own tractors	January to Feb to 2023	
5	Planting	H615 and WH 707 Maize variety		Mid March 2023	
6	1 <sup>st</sup> Weeding			1 <sup>st</sup> week of April 2023	
7	2 <sup>nd</sup> Weeding			4 <sup>th</sup> Week April 2023	
8	Top dressing			4 <sup>th</sup> week of April 2023	
9	Management of pests and diseases		Early planting, Spraying of	March, April and May 2023	

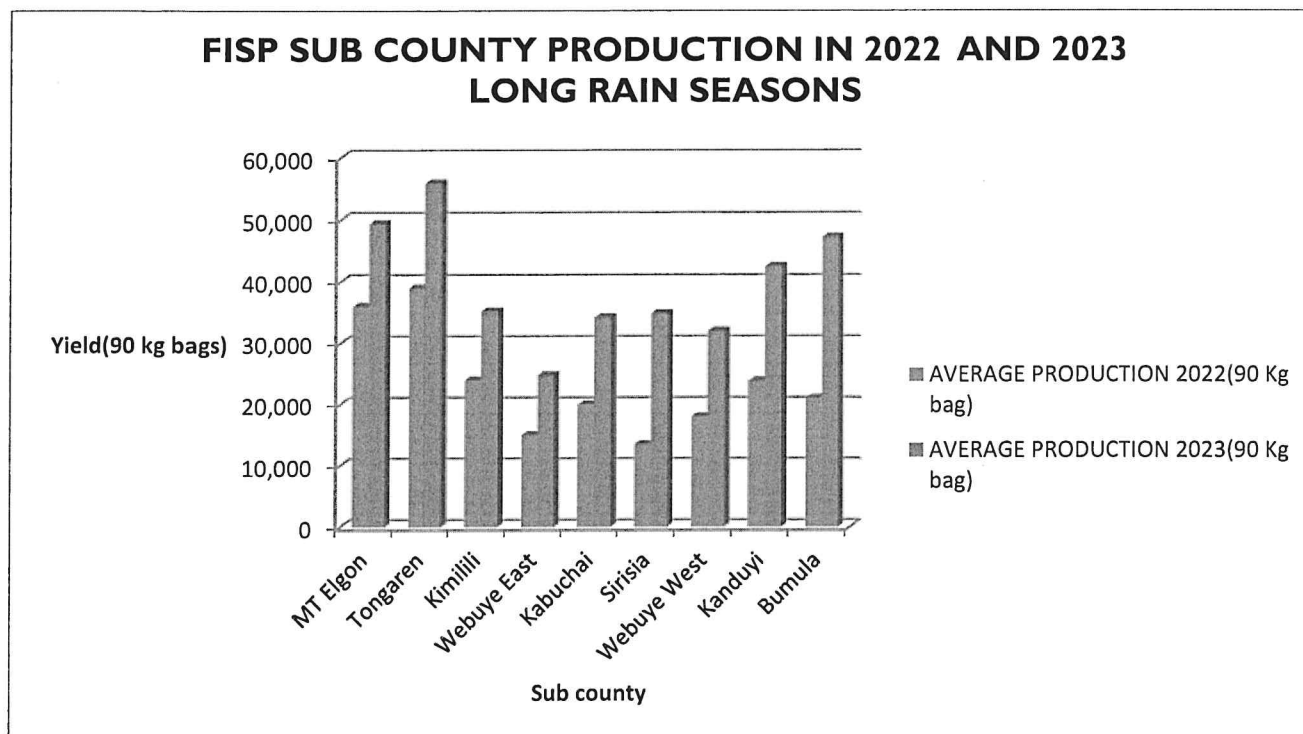
			agrochemicals, Field hygiene, rogueing		
12	Harvesting		Done by manually	October-November 2023	
13	Postharvest handling		Most farmers had storage facilities	September-November 2023	
14	Average yields for the AEZs(LM)				17.57 bags(90kg s)/Acre

### AVERAGE PRODUCTION YIELDS/ACRE BY SUB COUNTY FOR 2022 AND 2023

SUB COUNTY	ACREAGE	AVERAGE PRODUCTION (90KG BAGS)/ACRE 2022	AVERAGE PRODUCTION(90KG BAGS)/ACRE 2023	AVERAGE PRODUCTION 2022(90Kg bags)	AVERAGE PRODUCTION 2023 (90Kg bags)
MT Elgon	3,000	12	16.46	36,000	49380
Tongaren	3,000	13	18.64	39,000	55920
Kimilili	2000	12	17.63	24,000	35260
Webuye East	1500	10	16.51	15,000	24765
Kabuchai	2000	10	17.09	20,000	34180
Sirisia	1500	9	16.6	13,500	24900
Webuye West	2000	9	16	18,000	32000
Kanduyi	3400	7	12.5	23,800	42500
Bumula	3500	6	13.5	21,000	47250
<b>Total</b>	<b>21,900</b>	<b>88</b>	<b>144.93</b>	<b>210,300</b>	<b>346155</b>
<b>Average Yield/Acre</b>		<b>9.77 Bags/Acre</b>	<b>16.10 Bags/Acre</b>		

The table above shows average yields per acre and the total productions for each sub county. The production was high in Upper highland agro ecological zones (Mt Elgon, Tongaren and Kimilili) as compared to Upper midland and lower midland zones.

There was evidence yield increase from 210,300 bags produced in 2022 to 346,155 bags in 2023 giving a percentage increase of 64.6%. This was attributed from increase in fertilizer use by the targeted beneficiaries.



#### AVERAGE YIELD SUMMARY PER WARD

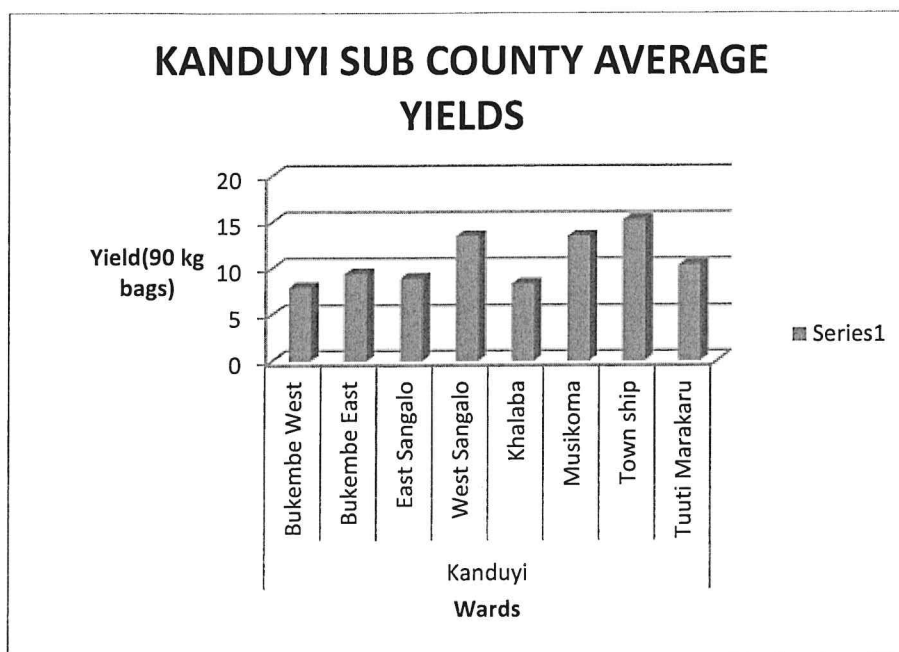
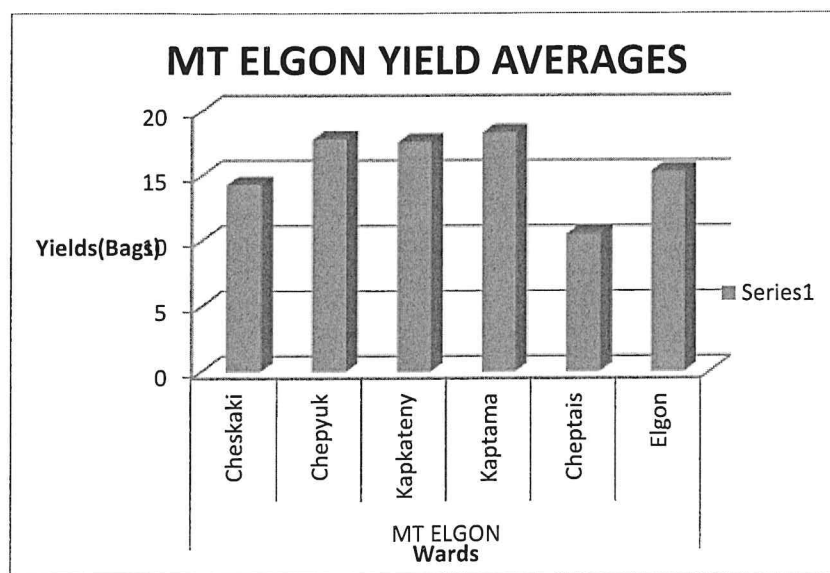
SUBCOUNTY	WARD	AVERAGE YIELDS(90KG BAGS) /ACRE IN 2023
MT ELGON	Cheskaki	14.3
	Chepyuk	17.8
	Kapkateny	17.6
	Kaptama	18.3
	Cheptais	10.5
	Elgon	15.3
	<b>TOTAL</b>	<b>93.8</b>
	<b>AVERAGE</b>	<b>15.63333333</b>

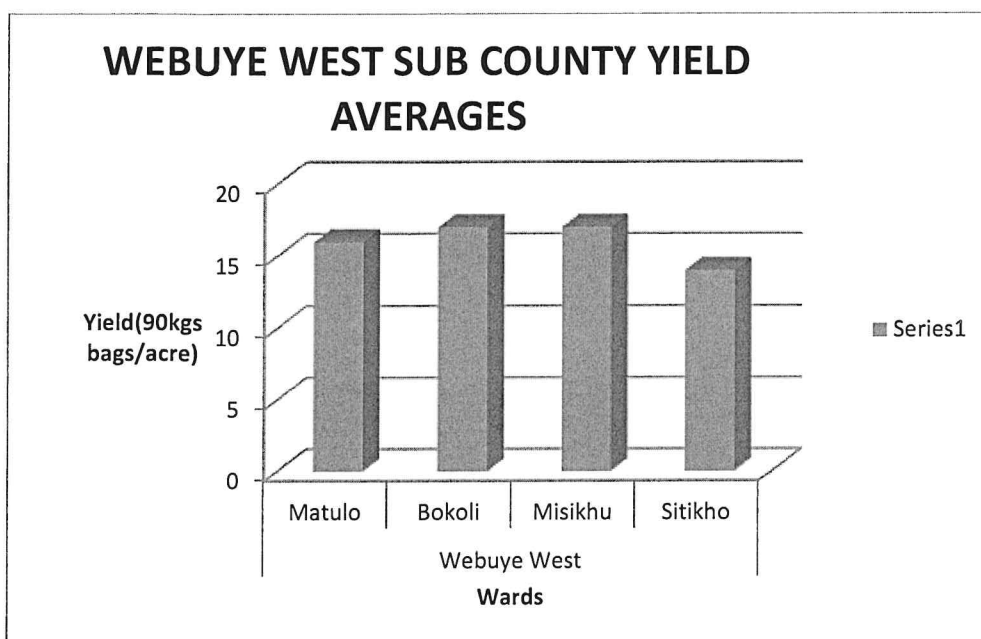
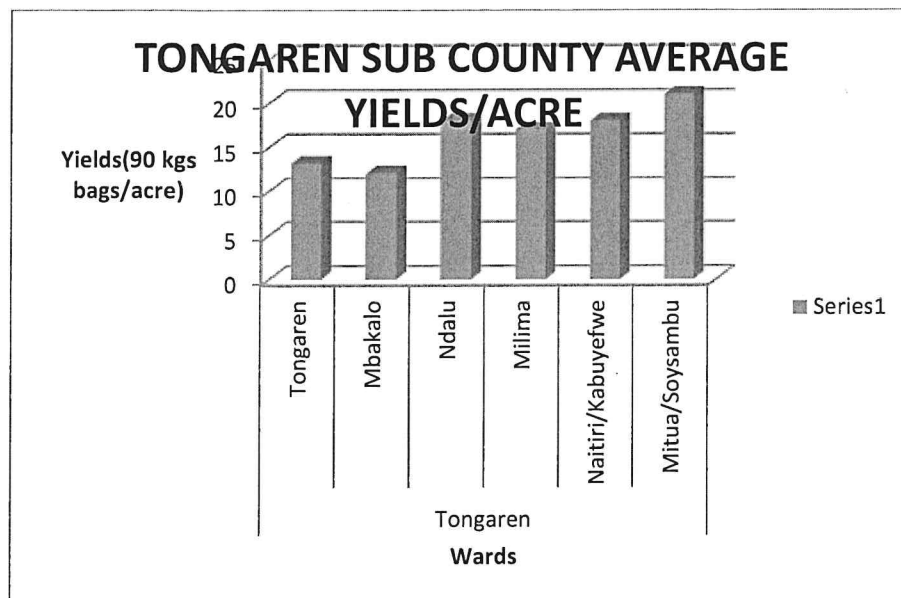


BUMULA	Bumula	15
	Kabula	13
	Khasoko	13
	Kimaeti	14
	Siboti	14
	South Bukusu	14
	West Bukusu	12
	<b>TOTAL</b>	<b>95</b>
	<b>AVERAGE</b>	<b>13.57142857</b>
Kanduyi	Bukembe West	7.9
	Bukembe East	9.4
	East Sangalo	8.9
	West Sangalo	13.46
	Khalaba	8.3
	Musikoma	13.46
	Town ship	15.2
	Tuuti Marakaru	10.3
	<b>TOTAL</b>	<b>100.4914286</b>
	<b>AVERAGE</b>	<b>12.56142857</b>
Tongaren	Tongaren	13.22
	Mbakalo	12.06
	Ndalu	18
	Milima	17
	Naitiri/Kabuyefwe	18
	Mitua/Soysambu	21
	<b>TOTAL</b>	<b>111.8</b>
	<b>AVERAGE</b>	<b>18.64</b>
Webuye West	Matulo	16
	Bokoli	17
	Misikhu	17
	Sitikho	14
	<b>TOTAL</b>	<b>64</b>

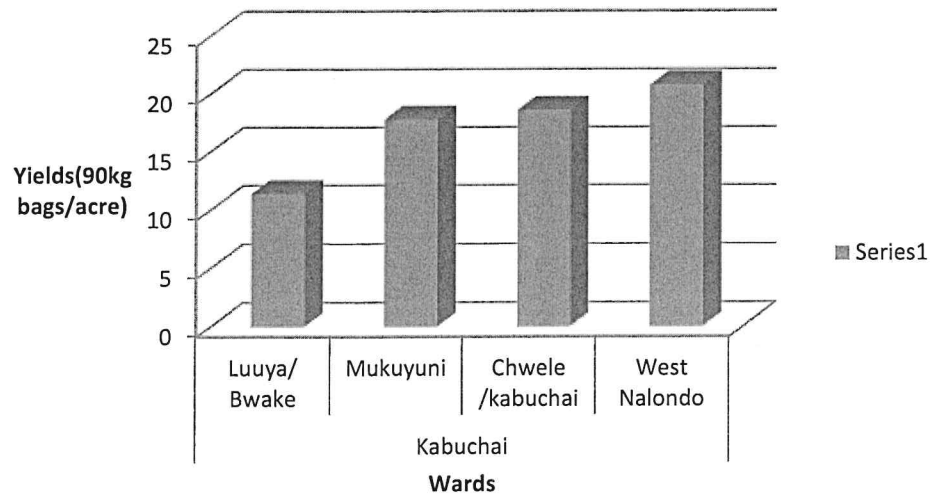
	<b>AVERAGE</b>	<b>16</b>
Webuye East	Maraka	9.4
	Mihuu	12.88
	Ndivisi	11.25
	<b>TOTAL</b>	<b>49.53</b>
	<b>AVERAGE</b>	<b>16.51</b>
Kabuchai	Luuya/ Bwake	11.37
	Mukuyuni	17.76
	Chwele /kabuchai	18.56
	West Nalondo	20.7
	<b>TOTAL</b>	<b>68.39</b>
	<b>AVERAGE</b>	<b>17.0975</b>
Sirisia	Namwela	18
	Lwandanyi	16
	Malakisi/Kulisiru	16
	<b>TOTAL</b>	<b>50</b>
	<b>AVERAGE</b>	<b>16.66666667</b>
Kimilili	Kamukuywa	12.97
	Maeni	14.84
	Kimilili	13.08
	Kibingei	12.99
	<b>TOTAL</b>	<b>70.54666667</b>
	<b>AVERAGE</b>	<b>17.63666667</b>

## AVEREGE YIELD ANALYSIS PER SUB COUNTY AND WARD

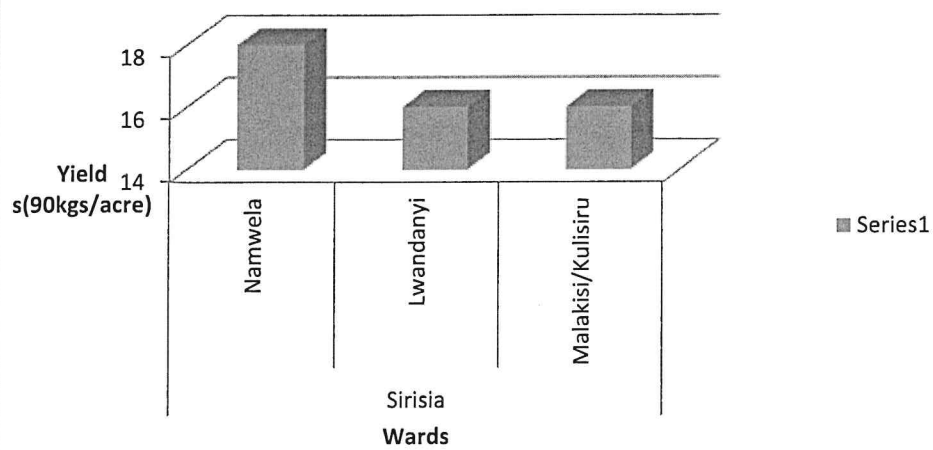


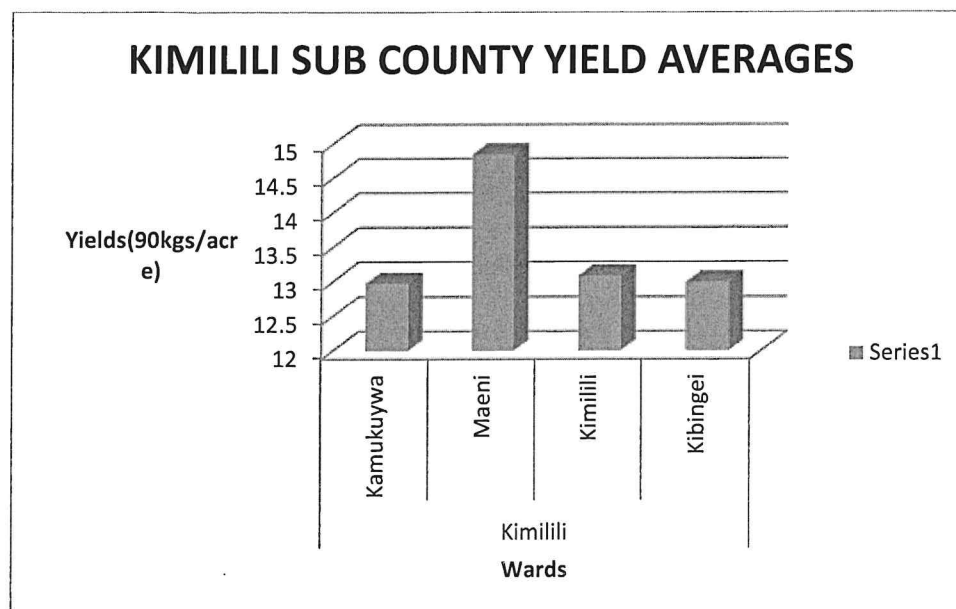


### KABUCHAI SUB COUNTY YIELD AVERAGES



### SIRISIA SUB COUNTY YIELD AVERAGES





### **OUT COMES AND IMPACT OF THE PROGRAMME**

The average production per targeted beneficiary was 16 bags (90kgs)/Acre. This translated to gross income of about Ksh. 64,000 per acre with a net income of Ksh.42, 700. The total estimated income was Ksh. 935,130,000 from an average of total production of 350,400 bags(90kg). This has seen the house holds improve their live hoods and create employment.

### **CHALLENGES**

The programmes have faced critical challenges key being;

There were high incidences of pests and diseases especially Fall Armyworm and other emerging diseases like Maize Lethal Necrosis

Inadequate facilitation for farmers training and monitoring/follow up of the programme

There is high demand for the support beyond the funding limits.

Inadequate postharvest handling facilities like drying, shelling and storage facilities.

Inadequate policy framework for beneficiary targeting,

### **CONCLUSION**

The programme has seen improved livelihoods among targeted beneficiaries across the county. Most farmers were faced with a major challenge of access to farm inputs especially certified seed and fertilizer. The farmers are also sensitized and trained on good agricultural practices in maize production, postharvest handling and marketing.

05

Western Seed Company Limited

P.O. Box 1022

30200 KITALE  
KENYA

info@westernseedcompany.com

www.westernseedcompany.com

+254 54 30232

+254 54 31282

County Government of Bungoma

Delivery

Delivery No. 7921

Date 08.03.2024

Customer Number CWE0065

Cont P. Suppl. -No Sales Employee-

Customer Ref

Cont P. Cust.

S/N	Item Code	Batch	Description	Qty	Price per Unit	Total
1	100108001	MAI-WSC-23-04108-HP	WH507(12x2kgs)	104	KSH 8,640 00	KSH 898,560 00
2	100108001	MAI-WSC-23-04108-HP	WH507(12x2kgs)	2	KSH 720 00	KSH 1,440 00
						KSH 900,000 00

0 00 Discount %

VAT

Total KSH 900,000 00

ALL GOODS REMAIN THE PROPERTY OF WSC UNTIL PAID FOR IN FULL

Remarks DDELIVERY TO KABULA  
KAU 4785-JAFAR

Shipping Type

0 000

Gross Weight

Place of Load

External Appearance of Goods

Type and Number of Packaging

Date and Time of Delivery

Lorry Plate

Name and Address of Carrier

Bale

104x12x2kgs, 2kgs/2

8/3/24

KAU 4785

WSC

to



Delivered by

Coreen  
Sender

Jafar  
Recipient

WSC  
Carrier

Receiver Signature

Carrier Signature

*[Signature]*

*[Signature]*

Tax ID

Managing Director WSCL - LIVE

IBAN

CO-OP

01136258721600

Page Number 1



PS

# Western Seed Company Ltd

KRAMW004202207079014 08.03.2024 11:56:35  
0040790140000002601



## INVOICE

Date : 08.03.2024  
Invoice No. : 64733  
Order Number :

P.O BOX 1022, 30200  
KITALE  
Tel: (254) 054 30232, 30994  
Fax: (254) 054 31282  
PIN NO: P000613949Y

Page : 1

Customer PIN:

Currency: KSH Exc. Rate: 1.0000

HS Code	Acct Code	Description	Qty	Price Bef. Dsc.	Disc. %	Tax %	Total
0111.11.00	401010001	WH507(12x2kgs)	104	8,540.00	0.00	0.00	898,560.00
0111.11.00	401010001	WH507(12x2kgs)	2	720.00	0.00	0.00	1,440.00

0.00 % Discount

Net Price  
Exempt Output  
Total

900,000.00	0.00	0.00	900,000.00
900,000.00	0.000000	0	900,000.00

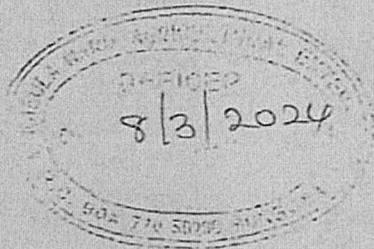
ALL GOODS REMAIN THE PROPERTY OF WSC UNTIL PAID FOR IN FULL

Payment Terms:

DELIVERY TO KABULA  
KAU 4785-JAFAR Based On Deliveries 7921.

For Western Seed Co. Ltd

Signature



Rec



Kenyatta Avenue

54

THE

P.O. Box 4-50100 Kakamega  
Tel. 0702 172 152 / 0733 639 900  
0733 600 262

MIDLAND EMPORIUM (KAKAMEGA) LTD

MS COUNTY GOVERNMENT OF BUNGOMA Date 8/3/2024  
BUMULA SUBCOUNTY, KABULA WARD - WARDS ADMIN OFFICE  
NEXT TO KABULA PASTORAL CENTRE Party Code

Quantity	Particulars	Unit Price	Value	Remarks
500 bags	500 bags x 50 kgs			
	MAVUNO PLANTING FERTILIZER			
	N.P.K: 15-15-15			
	DATE: 8/3/2014			
	OFFICER			
	P.O. BOX 770 50200 BILIMOGA			
	TRANSPORTER MIDLAND EMPORIUM KAKAMEGA LTD			
	DRIVER'S NAME CONSTANT SAGIDE			
	I.D NO LICENCE NO 25734138			
	0727762156			
	TOTAL			
	VALUE			
	PLUS			
	V.A.T 16%			

L.P.O. No

Lorry No. 1

Collected / Delivered

H.O. Ref. No.

Rosemary Elco 59

SL No. S

ॐ नमो भगवते वासुदेवाय

9229625  
0711351132

Receiver's signature ..... 

PLEASE SIGN HERE WITH RUBBER STAMP