

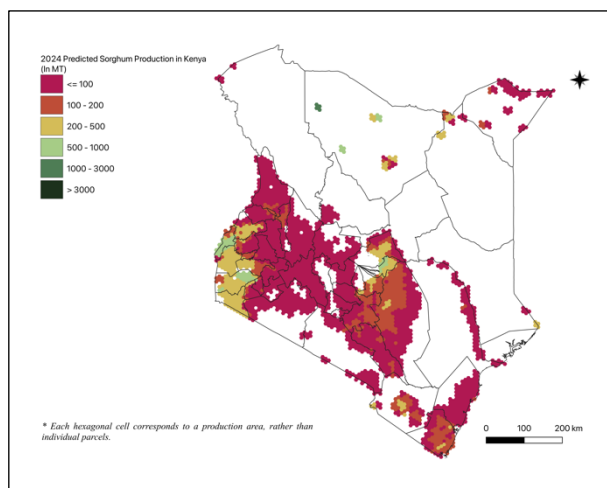
AAGWa Crop Production Forecasts Brief Series Kenya – Sorghum

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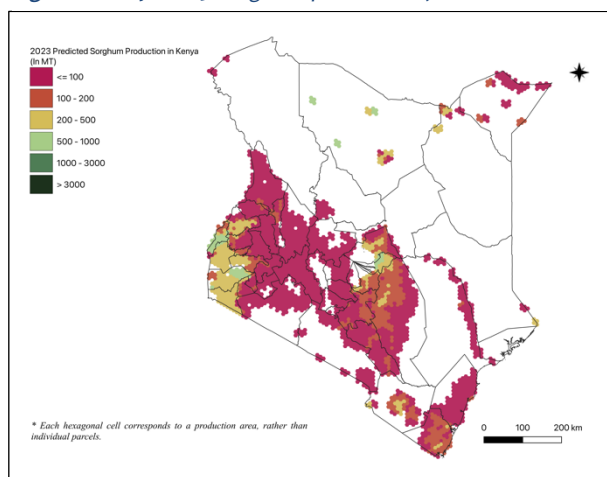
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly

Figure 1. Kenya 2024 Sorghum production forecast.



Data source: Africa Agriculture Watch (www.aagwa.org).

Figure 2. Kenya 2023 Sorghum production forecast.



Data source: Africa Agriculture Watch (www.aagwa.org).

50 African countries. The timeliness, wide availability, and easy access to this type of data will allow stakeholders across the value chain to better plan and execute policy and business actions more efficiently. The data published in the briefs are generated through the Africa Crop Production (AfCP) model, an Artificial Intelligence (AI-based) model applied to remotely sensed geo-biophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 115, we provide forecasts on sorghum production in Kenya.

In 2024, sorghum production in Kenya is projected to reach 174,124 metric tons (MT), which corresponds to a 4% increase over 2023 production levels. The most significant sorghum production levels are expected in the Eastern, Southern, and Western districts, particularly in Tharaka (Tharaka-Nithi), Mwingi North (Kitui), Mwingi Central (Kitui), Kinango (Kwale), and Ndhiwa (Homa Bay) with production levels estimated at 6,503 MT, 6,148 MT, 5,183 MT, 4,571 MT, and 3,594 MT, respectively. In contrast, lower production values are observed in Fafi (Garissa), Kajiado Central (Kajiado), Ol Jorok (Nyandarua), Nyeri Town (Nyeri), and Kajiado North (Kajiado), with production of, respectively, 19 MT, 26 MT, 30 MT, 31 MT, and 31 MT.

The highest sorghum production increases in 2024 are expected to occur in areas such as Marakwet East (Elgeyo-Marakwet), Eldama Ravine (Baringo), Narok North (Narok), Naivasha (Nakuru), and Sigor (West Pokot), with differences of respectively 224 MT, 216 MT, 179 MT, 174 MT, and 168 MT. These correspond to changes of respectively, 31%, 78%, 96%, 49%, and 29%.

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Annex – 2024 Kenya Sorghum Production Forecast at District level

Counties	Districts	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Baringo	805	91	98	-7	-7%
Baringo	Baringo Central	371	314	57	18%
Baringo	Baringo North	632	529	104	20%
Baringo	Baringo South	567	476	91	19%
Baringo	Eldama Ravine	494	278	216	78%
Baringo	Mogotio	530	469	61	13%
Baringo	Tiaty	249	234	14	6%
Bomet	Bomet Central	62	55	8	14%
Bomet	Konoin	540	427	113	26%
Bomet	Sotik	145	140	5	4%
Bungoma	Bumula	660	670	-10	-2%
Bungoma	Kabuchai	613	605	8	1%
Bungoma	Kanduyi	1134	1139	-5	0%
Bungoma	Kimilili	659	634	25	4%
Bungoma	Likuyani	135	122	13	11%
Bungoma	Lugari	425	405	20	5%
Bungoma	Mt. Elgon	230	167	63	38%
Bungoma	Sirisia	306	299	7	2%
Bungoma	Tongaren	1214	1167	47	4%
Bungoma	Webute West	757	759	-2	0%
Bungoma	Webuye East	515	516	-1	0%
Busia	Budalangi	823	778	45	6%
Busia	Butula	2659	2523	136	5%
Busia	Funyula	2567	2462	105	4%
Busia	Matayos	1600	1520	80	5%
Busia	Nambale	1837	1758	79	4%
Busia	Teso North	312	325	-14	-4%
Busia	Teso South	433	450	-17	-4%
Elgeyo-Marakwet	Keiyo North	253	196	57	29%
Elgeyo-Marakwet	Marakwet East	952	728	224	31%
Elgeyo-Marakwet	Marakwet West	891	806	85	11%
Embu	Mbeere North	1613	1589	24	2%
Embu	Mbeere South	2462	2483	-21	-1%
Embu	Runyenjes	271	260	12	5%
Garissa	Fafi	19	18	1	6%
Garissa	Ijara	348	325	23	7%
Homa Bay	Homa Bay Town	845	839	6	1%
Homa Bay	Kabondo Kasipul	1723	1678	45	3%
Homa Bay	Karachuoonyo	1493	1450	44	3%
Homa Bay	Kasipul	2337	2237	100	4%
Homa Bay	Mbita	1174	1166	8	1%
Homa Bay	Ndhiwa	3594	3544	51	1%
Homa Bay	Rangwe	2824	2762	62	2%
Homa Bay	Suba	2181	2151	30	1%
Homa Bay	unknown 6	766	744	21	3%
Kajiado	Kajiado Central	26	12	14	110%
Kajiado	Kajiado East	475	446	29	7%
Kajiado	Kajiado North	31	21	10	47%
Kajiado	Kajiado South	400	349	50	14%



Kajiado	Kajiado West	238	192	46	24%
Kakamega	Butere	300	299	1	0%
Kakamega	Ikolomani	68	65	3	4%
Kakamega	Khwisero	75	72	3	4%
Kakamega	Lugari	43	36	7	18%
Kakamega	Lurambi	225	216	9	4%
Kakamega	Malava	271	258	13	5%
Kakamega	Matungu	1329	1286	44	3%
Kakamega	Mumias East	183	182	1	1%
Kakamega	Mumias West	99	98	0	0%
Kakamega	Navakholo	414	408	5	1%
Kakamega	Shinyalu	291	266	25	9%
Kericho	Ainamoi	74	71	3	5%
Kericho	Belgut	414	364	50	14%
Kericho	Bureti	257	257	0	0%
Kericho	Kipkelion East	497	376	121	32%
Kericho	Kipkelion West	310	310	0	0%
Kericho	Sigowet/Soin	339	340	-1	0%
Kiambu	Gatundu North	109	17	92	550%
Kiambu	Gatundu South	36	10	26	273%
Kiambu	Githunguri	71	6	65	1028%
Kiambu	Juja	130	106	24	23%
Kiambu	Ruiru	57	54	3	6%
Kiambu	Thika Town	96	79	17	21%
Kilifi	Ganze	695	686	9	1%
Kilifi	Kaloleni	435	444	-9	-2%
Kilifi	Kilifi North	342	289	54	19%
Kilifi	Kilifi South	205	201	5	2%
Kilifi	Magarini	785	720	65	9%
Kilifi	Malindi	317	311	6	2%
Kilifi	Rabai	43	42	1	2%
Kisii	Bobasi	136	129	7	6%
Kisii	Bomachoge Borabu	134	128	7	5%
Kisii	Bomachoge Chache	136	130	6	5%
Kisii	Bonchari	63	60	3	5%
Kisii	Kitutu Chache North	140	135	4	3%
Kisii	Kitutu Chache South	76	75	1	2%
Kisii	Nyaribari Chache	159	155	4	3%
Kisii	Nyaribari Masaba	269	269	1	0%
Kisumu	Kisumu East	716	726	-10	-1%
Kisumu	Kisumu West	1190	1196	-5	0%
Kisumu	Muhoroni	756	797	-41	-5%
Kisumu	Nyakach	493	514	-21	-4%
Kisumu	Nyando	1062	1135	-73	-6%
Kisumu	Seme	1627	1631	-4	0%
Kitui	Kitui Central	427	375	52	14%
Kitui	Kitui East	2795	2651	145	5%
Kitui	Kitui Rural	2009	2013	-4	0%
Kitui	Kitui South	3330	3270	60	2%
Kitui	Kitui West	1323	1374	-50	-4%
Kitui	Mwingi Central	5183	5265	-82	-2%
Kitui	Mwingi North	6148	6578	-430	-7%



Kitui	Mwingi West	1608	1607	2	0%
Kwale	Kinango	4571	4874	-303	-6%
Kwale	Lungalunga	2412	2531	-119	-5%
Kwale	Matuga	968	996	-28	-3%
Kwale	Msambweni	790	826	-35	-4%
Laikipia	Laikipia East	315	290	25	9%
Laikipia	Laikipia North	330	319	11	4%
Laikipia	Laikipia West	775	629	146	23%
Machakos	Kangundo	198	158	40	25%
Machakos	Kathiani	196	175	21	12%
Machakos	Machakos Town	738	676	62	9%
Machakos	Masinga	2176	2230	-54	-2%
Machakos	Matungulu	609	586	23	4%
Machakos	Mavoko	439	462	-23	-5%
Machakos	Mwala	1394	1329	65	5%
Machakos	unknown 7	140	149	-9	-6%
Machakos	Yatta	1245	1261	-15	-1%
Makueni	Kaiti	439	321	118	37%
Makueni	Kibwezi East	1469	1486	-17	-1%
Makueni	Kibwezi West	1662	1656	6	0%
Makueni	Kilome	870	841	28	3%
Makueni	Makueni	1528	1476	52	4%
Makueni	Mbooni	990	870	120	14%
Mandera	Banissa	326	352	-26	-7%
Mandera	Lafey	118	132	-14	-11%
Mandera	Mandera East	207	168	40	24%
Mandera	Mandera North	274	280	-7	-2%
Mandera	Mandera West	159	180	-21	-12%
Marsabit	Laisamis	622	609	13	2%
Marsabit	North Horr	2112	2078	34	2%
Marsabit	Saku	1721	1733	-12	-1%
Meru	Buuri	32	30	2	6%
Meru	Igembe Central	1155	1134	21	2%
Meru	Igembe North	1294	1327	-33	-3%
Meru	Igembe South	696	634	62	10%
Meru	Tigania East	1063	1037	26	2%
Meru	Tigania West	1048	1053	-6	-1%
Meru	unknown 5	221	213	7	3%
Migori	Awendo	1845	1780	65	4%
Migori	Kuria East	1270	1249	21	2%
Migori	Kuria West	597	614	-17	-3%
Migori	Nyatike	2438	2429	9	0%
Migori	Rongo	1007	969	38	4%
Migori	Suna East	453	433	20	5%
Migori	Suna West	1736	1708	28	2%
Migori	Uriri	2156	2102	53	3%
Murang'a	Gatanga	210	86	124	145%
Murang'a	Kandara	136	42	94	227%
Murang'a	Kangema	45	5	40	842%
Murang'a	Kigumo	79	14	65	473%
Murang'a	Kiharu	160	81	78	96%
Murang'a	Maragwa	236	159	77	49%



Murang'a	Mathioya	80	50	30	61%
Nairobi	Kasarani	50	44	6	14%
Nakuru	Bahati	239	139	100	72%
Nakuru	Gilgil	360	236	124	53%
Nakuru	Kuresoi North	293	144	149	104%
Nakuru	Kuresoi South	209	85	124	146%
Nakuru	Molo	180	100	80	80%
Nakuru	Naivasha	530	356	174	49%
Nakuru	Nakuru Town East	59	32	27	85%
Nakuru	Nakuru Town West	32	29	4	13%
Nakuru	Njoro	230	145	85	59%
Nakuru	Rongai	446	426	21	5%
Nakuru	Subukia	116	75	40	54%
Nandi	Aldai	311	284	27	10%
Nandi	Chesumei	180	156	24	15%
Nandi	Emgwen	238	210	28	13%
Nandi	Mosop	420	371	49	13%
Nandi	Nandi Hills	199	122	78	64%
Nandi	Tinderet	205	145	60	41%
Narok	Emurua Dikirr	123	120	4	3%
Narok	Kilgoris	737	635	102	16%
Narok	Narok East	306	216	90	42%
Narok	Narok North	366	186	179	96%
Narok	Narok South	482	335	147	44%
Narok	Narok West	329	285	45	16%
Nyamira	Borabu	468	469	-2	0%
Nyamira	Kitutu Masaba	168	168	0	0%
Nyamira	West Mugirango	101	103	-2	-2%
Nyandarua	Ndaragwa	35	26	10	38%
Nyandarua	Ol Jorok	30	20	10	51%
Nyeri	Kieni	361	214	147	69%
Nyeri	Mathira	131	37	94	254%
Nyeri	Mukurweini	63	35	28	81%
Nyeri	Nyeri Town	31	20	11	55%
Nyeri	Othaya	69	16	53	333%
Nyeri	Tetu	130	27	103	374%
Samburu	Samburu West	219	153	67	44%
Siaya	Alego Usonga	2010	2012	-2	0%
Siaya	Bondo	2701	2686	15	1%
Siaya	Gem	1625	1601	24	2%
Siaya	Rarieda	2165	2141	24	1%
Siaya	Ugenya	1860	1819	41	2%
Siaya	Ugunja	1090	1073	17	2%
Taita Taveta	Mwatate	1704	1808	-104	-6%
Taita Taveta	Taveta	272	275	-4	-1%
Taita Taveta	Voi	1886	2046	-160	-8%
Taita Taveta	Wundanyi	887	866	20	2%
Tana River	Bura	377	333	44	13%
Tana River	Galole	548	513	35	7%
Tana River	Garsen	259	179	80	45%
Tharaka-Nithi	Chuka/Igambang'Ombe	574	565	9	2%
Tharaka-Nithi	Igembe South	861	859	1	0%



Tharaka-Nithi	Tharaka	6503	6559	-56	-1%
Trans Nzoia	Cherangany	664	606	58	10%
Trans Nzoia	Endebess	220	159	61	39%
Trans Nzoia	Kiminini	156	131	25	19%
Trans Nzoia	Kwanza	113	91	21	23%
Trans Nzoia	Saboti	191	146	45	31%
Trans Nzoia	unknown 4	40	35	5	13%
Turkana	Turkana West	66	53	14	26%
Uasin Gishu	Ainabkoi	183	134	49	37%
Uasin Gishu	Kapseret	145	119	26	22%
Uasin Gishu	Kesses	232	174	58	33%
Uasin Gishu	Moiben	283	217	66	30%
Uasin Gishu	Soy	482	449	33	7%
Uasin Gishu	Turbo	149	126	23	18%
Vihiga	Emuhaya	177	180	-4	-2%
Vihiga	Hamisi	151	145	6	4%
Vihiga	Luanda	151	154	-3	-2%
Vihiga	Sabatia	272	277	-5	-2%
Vihiga	Vihiga	132	135	-3	-3%
Wajir	Wajir North	1448	1579	-131	-8%
West Pokot	Kacheliba	977	868	109	13%
West Pokot	Kapenguria	557	511	46	9%
West Pokot	Pokot South	1166	1047	119	11%
West Pokot	Sigor	748	580	168	29%
West Pokot	unknown 3	138	135	4	3%
Total		174124	167764	6360	4%

MT (Metric tons): 1 MT is equivalent to 1,000 kilograms.

Change: refers to the relative difference and is calculated as (2024 prod – 2023 prod) divided by 2023 prod.

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