

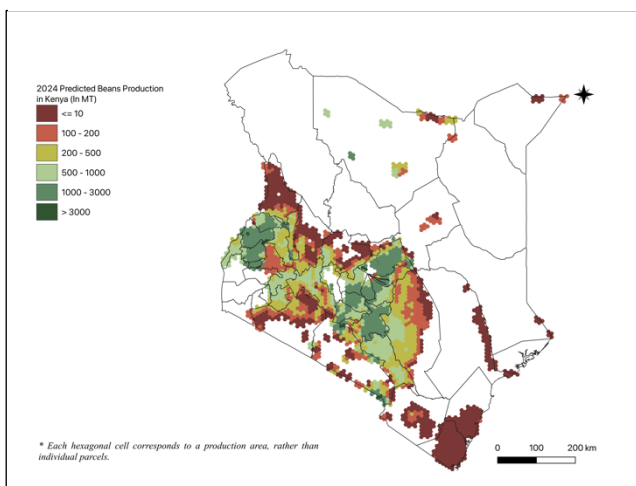
AAGWa Crop Production Forecasts Brief Series Kenya – Beans

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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 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

Figure 1. Kenya 2024 Beans production forecast.



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

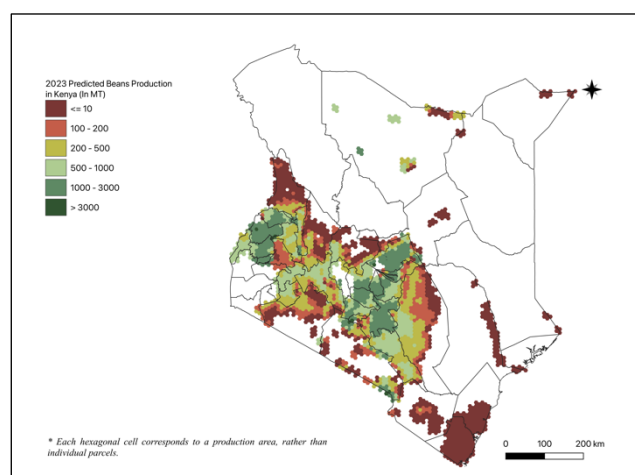
most significant beans production levels are expected in the Southern districts, particularly in Masinga (Machakos), Mwala (Machakos), Kajiado South (Kajiado), Yatta (Machakos), and Machakos Town (Machakos), with production volumes estimated at 21,132 MT, 21,078 MT, 19,337 MT, 15,658 MT, and 15,534 MT, respectively. In comparison, lower production values are observed in districts such as in Rabai (Kilifi), Lafey (Mandera), Mandera North (Mandera), and Wajir North (Wajir), with production of, 61 MT, 94 MT, 99 MT, and 101 MT, respectively.

Moreover, the Southern districts are expected to experience the most significant beans production increases in 2024, particularly in Kajiado South (Kajiado), Kinango (Kwale), Mwingi Central (Kitui), and Kitui South (Kitui), with differences of, 929 MT, 737 MT, 657 MT, and 644 MT, respectively. These correspond to changes of, respectively, 5%, 64%, 10%, and 5%.

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 107, we provide forecasts on Beans production in Kenya.

In 2024, beans production in Kenya is projected to reach 818,150 metrics tons (MT), indicating a 2% increase over 2023 production levels. However, the

Figure 2. Kenya 2023 Beans production forecast.



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

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Annex – 2024 Kenya Beans Production Forecast at District level

Counties	Districts	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Baringo	805	501	539	-38	-7%
Baringo	Baringo Central	2007	2064	-57	-3%
Baringo	Baringo North	2303	2430	-126	-5%
Baringo	Baringo South	1351	1508	-157	-10%
Baringo	Eldama Ravine	2702	2815	-113	-4%
Baringo	Mogotio	1665	1834	-169	-9%
Baringo	Tiaty	571	654	-83	-13%
Bomet	Bomet Central	1885	1895	-10	-1%
Bomet	Bomet East	1528	1571	-42	-3%
Bomet	Chepalungu	2274	2362	-88	-4%
Bomet	Konoin	4966	4867	100	2%
Bomet	Sotik	2661	2673	-12	0%
Bungoma	Bumula	3665	3653	12	0%
Bungoma	Kabuchai	2999	2972	27	1%
Bungoma	Kanduyi	6454	6409	46	1%
Bungoma	Kimilili	4209	4183	26	1%
Bungoma	Likuyani	7119	6941	177	3%
Bungoma	Lugari	7166	6990	177	3%
Bungoma	Mt. Elgon	10352	10115	237	2%
Bungoma	Sirisia	6286	5936	350	6%
Bungoma	Tongaren	6192	6134	58	1%
Bungoma	Webute West	4100	4068	32	1%
Bungoma	Webuye East	2897	2875	21	1%
Busia	Budalangi	637	651	-14	-2%
Busia	Butula	2471	2429	42	2%
Busia	Funyula	2495	2515	-20	-1%
Busia	Matayos	1420	1421	0	0%
Busia	Nambale	1955	1949	6	0%
Busia	Teso North	891	905	-14	-2%
Busia	Teso South	1220	1228	-8	-1%
Elgeyo-Marakwet	Keiyo North	2609	2701	-93	-3%
Elgeyo-Marakwet	Keiyo South	4616	4653	-37	-1%
Elgeyo-Marakwet	Marakwet East	3756	3872	-116	-3%
Elgeyo-Marakwet	Marakwet West	4398	4437	-39	-1%
Embu	Manyatta	6998	6877	120	2%
Embu	Mbeere North	4662	4683	-21	0%
Embu	Mbeere South	9806	9615	192	2%
Embu	Runyenjes	6517	6445	72	1%
Garissa	Ijara	113	46	67	144%
Isiolo	Isiolo North	867	799	68	9%
Isiolo	Isiolo South	715	368	347	94%
Kajiado	Kajiado Central	1046	855	191	22%
Kajiado	Kajiado East	10438	9970	467	5%
Kajiado	Kajiado North	4345	4033	312	8%
Kajiado	Kajiado South	19337	18408	929	5%
Kajiado	Kajiado West	10498	10040	458	5%
Kakamega	Butere	3057	2979	78	3%
Kakamega	Ikolomani	1338	1297	41	3%
Kakamega	Khwisero	1461	1437	24	2%

Kakamega	Lugari	4461	4223	238	6%
Kakamega	Lurambi	4372	4283	89	2%
Kakamega	Malava	5540	5446	94	2%
Kakamega	Matungu	3939	3879	60	2%
Kakamega	Mumias East	2436	2388	48	2%
Kakamega	Mumias West	1011	976	36	4%
Kakamega	Navakholo	4114	4050	64	2%
Kakamega	Shinyalu	4477	4311	165	4%
Kericho	Ainamoi	812	808	4	0%
Kericho	Belgut	4208	4160	48	1%
Kericho	Bureti	2709	2692	17	1%
Kericho	Kipkelion East	4917	4982	-65	-1%
Kericho	Kipkelion West	3001	3030	-29	-1%
Kericho	Sigowet/Soin	2182	2197	-15	-1%
Kiambu	Gatundu North	2922	2940	-18	-1%
Kiambu	Gatundu South	1116	1119	-3	0%
Kiambu	Githunguri	4537	4538	-2	0%
Kiambu	Juja	2781	2778	3	0%
Kiambu	Kabete	1076	1077	0	0%
Kiambu	Kiambu	1934	1935	-1	0%
Kiambu	Kikuyu	1537	1530	7	0%
Kiambu	Lari	2482	2485	-3	0%
Kiambu	Limuru	3283	3283	0	0%
Kiambu	Ruiru	899	879	20	2%
Kiambu	Thika Town	1725	1713	12	1%
Kilifi	Ganze	922	917	4	0%
Kilifi	Kaloleni	508	536	-28	-5%
Kilifi	Kilifi North	378	279	99	36%
Kilifi	Kilifi South	309	285	24	9%
Kilifi	Rabai	61	57	4	8%
Kirinyaga	Gichugu	2961	2991	-30	-1%
Kirinyaga	Kirinyaga Central	3548	3510	39	1%
Kirinyaga	Mwea	14867	14478	389	3%
Kirinyaga	Ndia	5329	5258	71	1%
Kisumu	Muhoroni	270	260	10	4%
Kitui	Kitui Central	2806	2809	-3	0%
Kitui	Kitui East	9631	9204	427	5%
Kitui	Kitui Rural	11131	10922	209	2%
Kitui	Kitui South	13675	13032	644	5%
Kitui	Kitui West	6468	6488	-20	0%
Kitui	Mwingi Central	7151	6494	657	10%
Kitui	Mwingi North	8600	7973	627	8%
Kitui	Mwingi West	2197	2121	76	4%
Kwale	Kinango	1893	1156	737	64%
Kwale	Lungalunga	1095	1168	-73	-6%
Kwale	Matuga	467	461	6	1%
Kwale	Msambweni	328	298	30	10%
Laikipia	Laikipia East	2827	2823	3	0%
Laikipia	Laikipia North	2602	2108	494	23%
Laikipia	Laikipia West	11043	11340	-297	-3%
Machakos	Kangundo	2659	2656	3	0%
Machakos	Kathiani	3352	3313	39	1%



Machakos	Machakos Town	15534	14946	587	4%
Machakos	Masinga	21132	20674	458	2%
Machakos	Matungulu	8107	8037	70	1%
Machakos	Mavoko	2292	2135	157	7%
Machakos	Mwala	21078	20497	581	3%
Machakos	unknown 7	531	479	52	11%
Machakos	Yatta	15658	15398	260	2%
Makueni	Kaiti	3125	3121	4	0%
Makueni	Kibwezi East	8754	8638	116	1%
Makueni	Kibwezi West	10141	9956	185	2%
Makueni	Kilome	7895	7803	91	1%
Makueni	Makueni	11597	11397	201	2%
Makueni	Mbooni	7347	7285	62	1%
Mandera	Lafey	94	31	62	198%
Mandera	Mandera East	144	78	66	85%
Mandera	Mandera North	99	38	61	162%
Marsabit	Laisamis	1084	1079	5	0%
Marsabit	Moyale	1672	1526	146	10%
Marsabit	North Horr	2171	2171	0	0%
Marsabit	Saku	3334	3334	0	0%
Meru	Buuri	12223	11948	275	2%
Meru	Central Imenti	11130	10831	299	3%
Meru	Igembe Central	10701	10516	185	2%
Meru	Igembe North	11518	11219	299	3%
Meru	Igembe South	7060	6800	260	4%
Meru	North Imenti	8232	8048	185	2%
Meru	South Imenti	6721	6666	56	1%
Meru	Tigania East	8147	7992	155	2%
Meru	Tigania West	6043	6024	19	0%
Meru	unknown 5	2920	2796	124	4%
Migori	Suna East	198	211	-12	-6%
Murang'a	Gatanga	5195	5179	16	0%
Murang'a	Kandara	4506	4514	-8	0%
Murang'a	Kangema	1414	1405	9	1%
Murang'a	Kigumo	2442	2438	4	0%
Murang'a	Kiharu	4672	4638	34	1%
Murang'a	Maragwa	4759	4742	16	0%
Murang'a	Mathioya	2855	2831	23	1%
Nairobi	Kasarani	451	428	23	5%
Nairobi	Westlands	1007	1011	-4	0%
Nakuru	Bahati	3946	4047	-101	-3%
Nakuru	Gilgil	3854	4101	-247	-6%
Nakuru	Kuresoi North	3752	3837	-85	-2%
Nakuru	Kuresoi South	2240	2304	-64	-3%
Nakuru	Molo	3113	3186	-73	-2%
Nakuru	Naivasha	5644	5829	-184	-3%
Nakuru	Nakuru Town East	655	682	-27	-4%
Nakuru	Nakuru Town West	681	695	-14	-2%
Nakuru	Njoro	4187	4296	-109	-3%
Nakuru	Rongai	6222	6420	-199	-3%
Nakuru	Subukia	2003	2035	-32	-2%
Nandi	Aldai	2429	2286	143	6%

Nandi	Chesumei	875	825	50	6%
Nandi	Emgwen	688	557	131	23%
Nandi	Mosop	1594	1463	131	9%
Nandi	Nandi Hills	977	949	28	3%
Nandi	Tinderet	832	792	40	5%
Narok	Emurua Dikirr	1011	1045	-35	-3%
Narok	Kilgoris	2317	2436	-118	-5%
Narok	Narok East	2130	2208	-77	-3%
Narok	Narok North	3311	3549	-239	-7%
Narok	Narok South	3761	3934	-174	-4%
Narok	Narok West	1944	2122	-178	-8%
Nyandarua	Kipipiri	1892	1869	23	1%
Nyandarua	Ndaragwa	514	533	-19	-4%
Nyandarua	Ol Jorok	810	819	-9	-1%
Nyeri	Kieni	8522	8587	-66	-1%
Nyeri	Mathira	4145	4138	7	0%
Nyeri	Mukurweini	2390	2385	5	0%
Nyeri	Nyeri Town	1138	1137	1	0%
Nyeri	Othaya	2511	2501	10	0%
Nyeri	Tetu	4739	4729	10	0%
Siaya	Gem	1106	1092	14	1%
Siaya	Ugenya	818	809	9	1%
Taita Taveta	Mwatate	1083	853	230	27%
Taita Taveta	Taveta	198	141	57	40%
Taita Taveta	Voi	1555	1100	454	41%
Taita Taveta	Wundanyi	631	572	58	10%
Tana River	Bura	291	76	215	281%
Tana River	Galole	500	146	354	243%
Tana River	Garsen	284	131	153	117%
Tharaka-Nithi	Chuka/Igambang'Ombe	10180	10185	-5	0%
Tharaka-Nithi	Igembe South	353	331	21	6%
Tharaka-Nithi	Maara	5608	5584	24	0%
Tharaka-Nithi	Tharaka	3516	3301	215	7%
Trans Nzoia	Cherangany	8761	8768	-8	0%
Trans Nzoia	Endebess	3937	3983	-46	-1%
Trans Nzoia	Kimini	4661	4662	-2	0%
Trans Nzoia	Kwanza	3187	3199	-12	0%
Trans Nzoia	Saboti	4977	4990	-12	0%
Trans Nzoia	unknown 4	1067	1071	-4	0%
Uasin Gishu	Ainabkoi	3923	3983	-60	-1%
Uasin Gishu	Kapseret	1876	1927	-50	-3%
Uasin Gishu	Kesses	3216	3294	-79	-2%
Uasin Gishu	Moiben	3646	3779	-134	-4%
Uasin Gishu	Soy	4329	4449	-120	-3%
Uasin Gishu	Turbo	4933	4810	123	3%
Vihiga	Emuhaya	1924	1900	25	1%
Vihiga	Hamisi	2800	2742	59	2%
Vihiga	Luanda	1942	1915	26	1%
Vihiga	Sabatia	3521	3469	53	2%
Vihiga	Vihiga	1853	1827	26	1%
Wajir	Wajir North	101	54	47	87%
West Pokot	Kacheliba	1844	1454	390	27%



West Pokot	Kapenguria	1176	1248	-72	-6%
West Pokot	Pokot South	4818	4944	-127	-3%
West Pokot	Sigor	1454	1439	14	1%
West Pokot	unknown 3	200	233	-33	-14%
Total		818150	804359	13791	2%

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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