

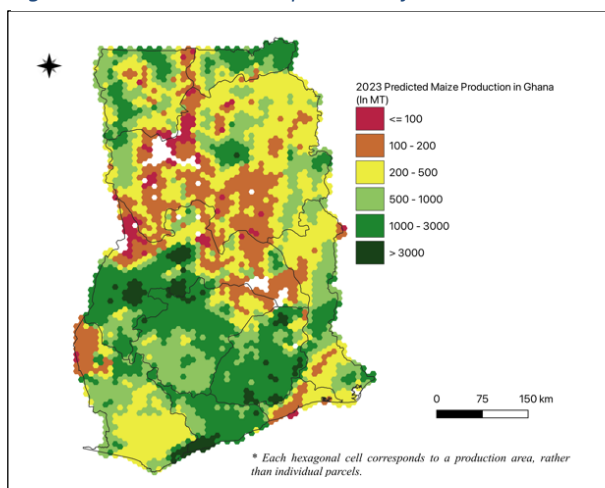
AAGWa Crop Production Forecasts Brief Series Ghana – Maize

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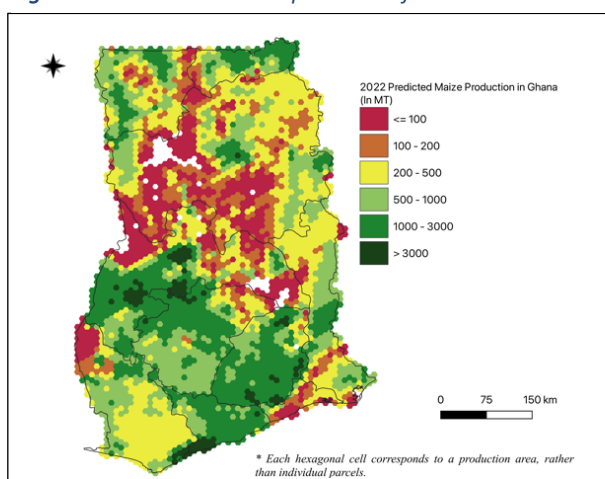
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly

Figure 1. Ghana 2023 Maize production forecast.



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

Figure 2. Ghana 2022 Maize 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 101, we provide forecasts on Maize production in Ghana.

In 2023, Maize production in Ghana is projected to reach 2,160,762 metric tons (MT), which indicates a 7% increase over 2022 production levels. However, the highest maize producers are expected to be the Southern districts such as Kintampo South (Bono East), Sunyani West (Bono), Nkoranza South (Bono East), Ejura-Sekyedumase (Ashanti), and Kwahu Afram Plains South (Eastern), with production levels estimated at 53,417 MT, 51,379 MT, 44,276 MT, 36,444 MT, and 36,032 MT, respectively. In comparison, lower production values are observed in Tema West (Ashanti), Ledzokuku (Ashanti), Okaikwei North (Greater Accra), Suame (Greater Accra), and Asokore-Mampong (Greater Accra), with production of, respectively, 93 MT, 113 MT, 115 MT, 120 MT, and 122 MT.

Compared to 2022, the most significant Maize production increases in 2023 are expected to occur in areas such as Central Gonja (Savannah), Bole (Savannah), Sawla-Tuna-Kalba (Savannah), Sissala East (Upper West),

and Kintampo North (Bono East), with differences of respectively 5,723 MT, 5,310 MT, 3,319 MT, 3,210 MT, and 2,926 MT. These correspond to changes of respectively, 48%, 44%, 16%, 11%, and 14%.

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Annex – 2023 Ghana Maize Production Forecast at District level

Regions	Districts	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Ahafo	Asunafo North	14284	13734	550	4%
Ahafo	Asunafo South	12024	11668	356	3%
Ahafo	Asutifi North	6772	6419	353	5%
Ahafo	Asutifi South	8165	7819	346	4%
Ahafo	Tano North	19226	18153	1073	6%
Ahafo	Tano South	12055	11674	381	3%
Ashanti	Adansi Akrofuom	5883	5561	322	6%
Ashanti	Adansi Asokwa	5775	5428	347	6%
Ashanti	Adansi North	2256	2195	62	3%
Ashanti	Adansi South	6803	6438	365	6%
Ashanti	Afigya-Kwabre North	4567	4453	114	3%
Ashanti	Afigya-Kwabre South	2544	2464	79	3%
Ashanti	Ahafo-Ano North	14324	13969	355	3%
Ashanti	Ahafo-Ano South East	11008	10702	306	3%
Ashanti	Ahafo-Ano South West	8032	7735	297	4%
Ashanti	Amansie Central	8119	7700	418	5%
Ashanti	Amansie South	5773	5401	372	7%
Ashanti	Amansie West	4973	4636	337	7%
Ashanti	Asante-Akim Central	4655	4471	183	4%
Ashanti	Asante-Akim North	16307	15667	639	4%
Ashanti	Asante-Akim South	14371	13831	540	4%
Ashanti	Asokore-Mampong	122	91	31	34%
Ashanti	Atwima-Kwanwoma	1155	1079	75	7%
Ashanti	Atwima-Mponua	15034	14213	821	6%
Ashanti	Atwima-Nwabiagya North	4027	3908	119	3%
Ashanti	Atwima-Nwabiagya South	3312	3177	135	4%
Ashanti	Bekwai	6006	5757	249	4%
Ashanti	Bosome Freho	6238	5900	338	6%
Ashanti	Bosomtwe	3189	2980	209	7%
Ashanti	Ejisu	6556	6305	251	4%
Ashanti	Ejura-Sekyedumase	36444	35684	760	2%
Ashanti	Juaben	1214	1157	57	5%
Ashanti	Kwabre East	1599	1489	111	7%
Ashanti	Kwadaso	433	402	31	8%
Ashanti	Mampong	14691	14346	345	2%
Ashanti	Obuasi	1554	1480	74	5%
Ashanti	Obuasi East	1177	1151	26	2%
Ashanti	Offinso	12453	12183	270	2%
Ashanti	Offinso North	19285	18659	626	3%
Ashanti	Sekyere Afram Plains North	12614	11712	902	8%
Ashanti	Sekyere Central	15602	15009	593	4%
Ashanti	Sekyere East	2636	2488	148	6%
Ashanti	Sekyere Kumawu	14027	13568	459	3%
Ashanti	Sekyere South	6871	6708	163	2%
Ashanti	Suame	120	97	23	24%
Bono	Banda	2104	550	1554	282%
Bono	Berekum East	13211	12476	735	6%



Bono	Berekum West	9922	9576	346	4%
Bono	Dormaa	27323	25904	1419	5%
Bono	Dormaa East	16057	15480	577	4%
Bono	Dormaa West	11111	10856	255	2%
Bono	Jaman North	6031	5157	874	17%
Bono	Jaman South	15268	14192	1076	8%
Bono	Sunyani	16942	16233	708	4%
Bono	Sunyani West	51379	49481	1898	4%
Bono	Tain	13862	12049	1813	15%
Bono	Wenchi	15215	14127	1088	8%
Bono					
East	Atebubu-Amantin	7875	7134	741	10%
Bono					
East	Kintampo North	24069	21143	2926	14%
Bono					
East	Kintampo South	53417	51586	1831	4%
Bono					
East	Nkoranza North	16642	15663	979	6%
Bono					
East	Nkoranza South	44276	43614	663	2%
Bono					
East	Pru East	5682	4976	706	14%
Bono					
East	Pru West	5198	4498	699	16%
Bono					
East	Sene East	16975	15378	1597	10%
Bono					
East	Sene West	6268	5390	878	16%
Bono					
East	Techiman	18342	17438	903	5%
Bono					
East	Techiman North	7756	7330	426	6%
	Abura-Asebu-				
Central	Kwamankese	12606	12449	157	1%
Central	Agona East	3132	3039	93	3%
Central	Agona West	3549	3395	155	5%
Central	Ajumako-Enyan-Essiam	10012	9892	120	1%
	Asikuma-Odoben-				
Central	Brakwa	13203	12786	417	3%
Central	Assin Central	3648	3558	90	3%
Central	Assin North	13550	13259	291	2%
Central	Assin South	15784	15361	423	3%
Central	Awutu Senya East	457	398	59	15%
Central	Awutu Senya West	12182	11932	250	2%
Central	Cape Coast	10261	10186	75	1%
Central	Effutu	1705	1567	138	9%
Central	Ekumfi	8059	7883	176	2%
Central	Gomoa Central	1320	1283	37	3%
Central	Gomoa East	14681	14068	613	4%
Central	Gomoa West	9181	8933	248	3%
	Komenda-Edina-				
Central	Eguafo-Abirem-	23888	23568	320	1%
Central	Mfantseman	8441	8227	213	3%
Central	Twifo-Atti-Morkwa	6874	6620	254	4%
Central	Twifo-Hemang-Lower	4055	3800	255	7%



	Denkyira				
Central	Upper Denkyira East	8951	8682	268	3%
Central	Upper Denkyira West	9327	8956	371	4%
Eastern	Abuakwa North	4011	3916	95	2%
Eastern	Abuakwa South	8266	8086	180	2%
Eastern	Achiase	6421	6282	139	2%
Eastern	Akwapem North	7927	7690	237	3%
Eastern	Akwapem South	7167	7055	112	2%
Eastern	Akyemansa	8814	8622	192	2%
Eastern	Asene-Manso-Akroso	6177	6040	137	2%
Eastern	Asuogyaman	25205	24795	409	2%
Eastern	Atiwa East	7606	7341	266	4%
Eastern	Atiwa West	12774	12490	284	2%
Eastern	Ayensuano	10219	10038	181	2%
Eastern	Birim Central	1519	1488	31	2%
Eastern	Birim North	10633	10395	239	2%
Eastern	Birim South	8626	8433	193	2%
Eastern	Denkyembour	6088	5950	138	2%
Eastern	Fanteakwa North	20222	19663	558	3%
Eastern	Fanteakwa South	10810	10524	285	3%
Eastern	Kwaebibirem	9604	9299	305	3%
Eastern	Kwahu Afram Plains North	21876	20324	1552	8%
Eastern	Kwahu Afram Plains South	36032	34281	1751	5%
Eastern	Kwahu East	6036	5735	301	5%
Eastern	Kwahu South	11390	10850	540	5%
Eastern	Kwahu West	3803	3631	172	5%
Eastern	Lower Manya-Krobo	5108	4937	171	3%
Eastern	New Juaben North	5252	5158	94	2%
Eastern	Nsawam Adoagyiri	10571	10469	102	1%
Eastern	Okere	8978	8700	278	3%
Eastern	Suhum	6831	6668	163	2%
Eastern	Upper Manya	17144	16742	402	2%
Eastern	Upper West Akim	10170	9996	174	2%
Eastern	West Akim	21344	20793	551	3%
Eastern	Yilo-Krobo	12398	12073	325	3%
Greater Accra	Ada East	837	548	289	53%
Greater Accra	Ada West	1478	904	575	64%
Greater Accra	Adenta	138	59	79	132%
Greater Accra	Ashaiman	127	51	76	150%
Greater Accra	Ga Central	220	142	78	55%
Greater Accra	Ga East	300	274	26	9%
Greater Accra	Ga North	456	425	31	7%
Greater Accra	Ga South	1084	1015	68	7%
Greater Accra	Ga West	611	585	25	4%



Greater Accra	Kpone-Katamanso	180	97	84	87%
Greater Accra	La-Nkwantanang-Madina	280	245	35	14%
Greater Accra	Ledzokuku	113	38	75	194%
Greater Accra	Ningo-Prampram	2111	1446	666	46%
Greater Accra	Okaikwei North	115	35	80	231%
Greater Accra	Shai Osudoku	2459	1878	580	31%
Greater Accra	Tema West	93	16	77	474%
Greater Accra	Weija Gbawe	382	327	55	17%
North North	Bunkpurugu				
East North	Nakpanduri	2945	2382	563	24%
East North	Chereponi	5261	4166	1095	26%
East North	East Mamprusi	7011	5540	1471	27%
East North	Mamprugu Moagduri	6325	5092	1233	24%
East North	West Mamprusi	11186	9536	1650	17%
East North	Yunyoo-Nasuan	2023	1604	420	26%
Northern	Gushegu	10840	9189	1650	18%
Northern	Karaga	16540	14819	1720	12%
Northern	Kpandai	7340	6805	535	8%
Northern	Kumbungu	9748	8592	1155	13%
Northern	Mion	8960	8068	892	11%
Northern	Nanton	4675	4386	289	7%
Northern	Nanumba North	10321	9602	719	7%
Northern	Nanumba South	11475	10860	615	6%
Northern	Saboba	4857	4400	457	10%
Northern	Sagnerigu	8613	8292	321	4%
Northern	Savelugu	12527	11572	955	8%
Northern	Tamale	9780	9328	452	5%
Northern	Tatale Sanguli	8594	8235	359	4%
Northern	Tolon	13570	12252	1318	11%
Northern	Yendi	9944	9442	502	5%
Northern	Zabzugu	10912	10687	225	2%
Oti	Biakoye	8372	7818	553	7%
Oti	Jasikan	4132	3913	219	6%
Oti	Kadjebi	6746	6396	349	5%
Oti	Krachi East	8478	7571	907	12%
Oti	Krachi Nchumuru	5438	4831	607	13%
Oti	Krachi West	3428	2968	459	15%
Oti	Nkwanta North	6959	6627	331	5%
Oti	Nkwanta South	11533	10473	1059	10%
Savannah	Bole	17261	11951	5310	44%
Savannah	Central Gonja	17588	11865	5723	48%
Savannah	East Gonja	5771	4053	1718	42%



Savannah	North East Gonja	9549	7104	2445	34%
Savannah	North Gonja	8561	6643	1918	29%
Savannah	Sawla-Tuna-Kalba	24058	20739	3319	16%
Savannah	West Gonja	6347	4031	2316	57%
Upper East	Bawku	3129	2903	225	8%
Upper East	Bawku West	14005	12842	1163	9%
Upper East	Binduri	5025	4652	373	8%
Upper East	Bolga East	1937	1824	112	6%
Upper East	Bolgatanga	3810	3530	280	8%
Upper East	Bongo	8357	7872	486	6%
Upper East	Builsa North	9554	8543	1011	12%
Upper East	Builsa South	4074	3285	789	24%
Upper East	Garu	9103	8508	595	7%
Upper East	Kasena Nankana East	8621	7839	782	10%
Upper East	Kasena Nankana West	6207	5541	666	12%
Upper East	Nabdam	2249	2090	159	8%
Upper East	Pusiga	5040	4686	355	8%
Upper East	Talensi	9132	8517	615	7%
Upper East	Tempane	7202	6498	704	11%
Upper West	Daffiama-Bussie-Issa	7223	6403	820	13%
Upper West	Jirapa	8881	7724	1157	15%
Upper West	Lambussie-Karni	6371	5662	709	13%
Upper West	Lawra	4963	4528	435	10%
Upper West	Nadowli-Kaleo	18031	16635	1396	8%
Upper West	Nandom	4201	3871	330	9%
Upper West	Sissala East	32567	29358	3210	11%
Upper West	Sissala West	16196	14581	1615	11%
Upper West	Wa East	24864	22136	2728	12%
Upper West	Wa Municipal	11587	10992	595	5%
Upper West	Wa West	13256	11907	1348	11%
Volta	Adaklu	2977	2274	702	31%
Volta	Afadzato South	12283	11727	556	5%



Volta	Agotime Ziope	1088	640	448	70%
Volta	Akatsi North	3556	3302	254	8%
Volta	Akatsi South	5077	4726	351	7%
Volta	Anloga	443	140	303	216%
Volta	Central Tongu	3279	2766	514	19%
Volta	Ho Municipal	4380	4009	372	9%
Volta	Ho West	8071	6942	1128	16%
Volta	Hohoe	10814	10430	384	4%
Volta	Keta Municipal	1943	1662	281	17%
Volta	Ketu North	2924	2677	247	9%
Volta	Ketu South	2925	2645	280	11%
Volta	Kpando	2959	2712	247	9%
Volta	North Dayi	4516	4248	268	6%
Volta	North Tongu	4159	3216	943	29%
Volta	South Dayi	4770	4618	152	3%
Volta	South Tongu	5801	5137	663	13%
Western	Ahanta West	3074	3083	-9	0%
Western	Effia Kwesimintsim	5336	5156	180	3%
Western	Ellembelle	3639	4043	-404	-10%
Western	Jomoro	10425	10512	-87	-1%
Western	Mpohor	2077	2085	-7	0%
Western	Nzema East	4692	5014	-322	-6%
Western	Prestea-Huni Valley	6754	6819	-65	-1%
Western	Sekondi Takoradi	2781	2633	149	6%
Western	Shama	12352	12075	277	2%
Western	Tarkwa Nsuaem	3316	3249	66	2%
Western	Wassa Amenfi Central	8854	8288	566	7%
Western	Wassa Amenfi East	11401	10635	766	7%
Western	Wassa Amenfi West	8890	8428	462	5%
Western	Wassa East	7336	6915	421	6%
Western	Aowin	21667	20928	739	4%
North	Bia East	821	661	160	24%
North	Bia West	1609	1285	325	25%
North	Bibiani-Anhwiaso-Bekwai-	11191	10694	497	5%
North	Bodi	1420	1298	122	9%
North	Juaboso	6800	6499	301	5%
North	Sefwi-Akontombra	9421	9001	420	5%
North	Sefwi-Wiawso	13132	12642	490	4%
North	Suaman	4487	4307	180	4%
Total		2160762	2021174	139588	7%

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

Change: refers to the relative difference and is calculated as (2023 prod – 2022 prod) divided by 2022 prod.



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