

AAGWa Crop Production Forecasts Brief Series

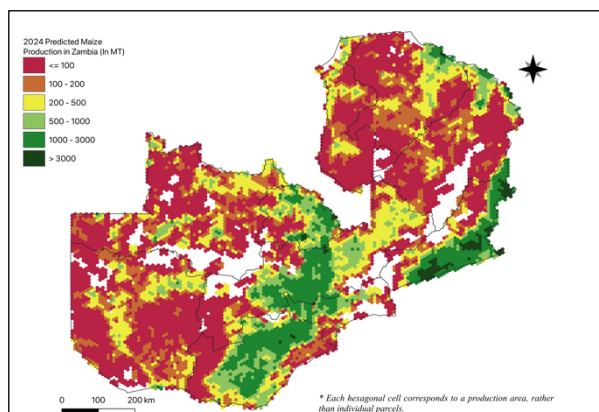
Zambia – Maize

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No. 120, March 2024

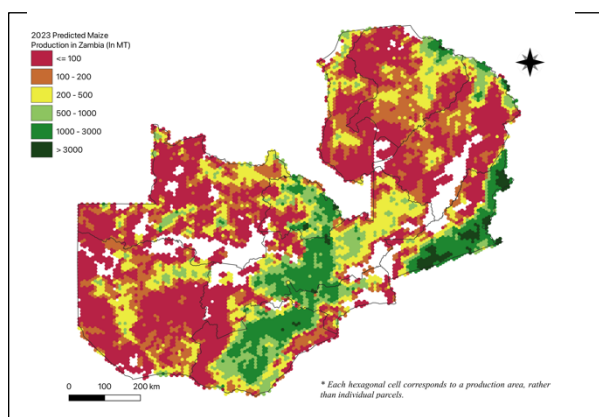
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow stakeholders across the value chain to better plan and execute policy and business actions more efficiently.

Figure 1. Zambia 2024 Maize production forecast.



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

Figure 2. Zambia 2023 Maize production forecast.



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

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 120, we provide forecasts on maize production in Zambia.

In 2024, maize production in Zambia is projected to decline by 3% with an annual production of 2,916,263 metric tons (MT). The highest maize producers are expected to be the Southeastern and Central districts such as Petauke (Eastern), Kapiri Mposhi (Central), Chibombo (Central), Kalomo (Southern), and Monze (Southern), with production levels estimated at 137,254 MT, 125,350 MT, 112,094 MT, 106,344 MT, and 103,793 MT, respectively. In comparison, lower production values are observed in Lunga (Luapula), Chifunabuli (Luapula), Luangwa (Lusaka), Samfya (Luapula), and Chipili (Luapula), with production of, respectively, 86 MT, 677 MT, 815 MT, 1,060 MT, and 1,509 MT.

Contrary to the trends observed in 2023, significant decreases in maize production for 2024 are expected in the Eastern provinces, including Chipangali, Petauke, Lundazi, Sinda, and Kasenengwa, with reductions of 11,907 MT, 7,138 MT, 5,989 MT, 4,489 MT, and 2,865 MT, respectively. These reductions represent declines of respectively, -20%, -5%, -14%, -5%, and -5%.

However, the 2024 projections also indicate increases in maize production in different districts, such as Kalomo (Southern), Choma (Southern), Mumbwa (Central), Mufumbwe (North-West), and Kalumbila (North-West), with increases of respectively, 2,616 MT, 1,108 MT, 1,035 MT, 1,020 MT, and 1,006 MT. These correspond to changes of 3%, 2%, 1%, 4%, and 5%, respectively.

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Annex – 2024 Zambia Maize Production Forecast at District Level

Provinces	Districts	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Central	Chibombo	112094	111886	208	0%
Central	Chisamba	83088	82710	378	0%
Central	Chitambo	31351	30829	522	2%
Central	Itezhi-tezhi	22201	22890	-689	-3%
Central	Kabwe	22360	22309	51	0%
Central	Kapiri Mposhi	125350	126984	-1635	-1%
Central	Luano	15919	15779	140	1%
Central	Mkushi	40055	39556	499	1%
Central	Mumbwa	91677	90642	1035	1%
Central	Ngabwe	5641	5945	-304	-5%
Central	Serenje	32923	32805	118	0%
Copperbelt	Chililabombwe	7531	7511	20	0%
Copperbelt	Chingola	14167	14194	-28	0%
Copperbelt	Kalulushi	8325	8254	71	1%
Copperbelt	Kitwe	11452	11341	111	1%
Copperbelt	Luanshya	6215	6132	84	1%
Copperbelt	Lufwanyama	40461	40732	-271	-1%
Copperbelt	Masaiti	52777	53506	-729	-1%
Copperbelt	Mpongwe	62887	63908	-1021	-2%
Copperbelt	Mufulira	4202	4187	14	0%
Copperbelt	Ndola	24174	24824	-650	-3%
Eastern	Chadiza	33569	34968	-1399	-4%
Eastern	Chasefu	44978	46318	-1340	-3%
Eastern	Chipangali	46766	58672	-11907	-20%
Eastern	Chipata	54225	57004	-2779	-5%
Eastern	Kasenengwa	54709	57574	-2865	-5%
Eastern	Katete	62938	65529	-2591	-4%
Eastern	Lumezi	58940	60374	-1434	-2%
Eastern	Lundazi	38253	44242	-5989	-14%
Eastern	Mambwe	10775	10987	-213	-2%
Eastern	Nyimba	38437	39572	-1136	-3%
Eastern	Petauke	137254	144392	-7138	-5%
Eastern	Sinda	82284	86772	-4489	-5%
Eastern	Vubwi	10906	13687	-2781	-20%
Luapula	Chembe	1535	1922	-386	-20%
Luapula	Chiengi	11059	11924	-865	-7%
Luapula	Chifunabuli	677	2001	-1324	-66%
Luapula	Chipili	1509	2538	-1029	-41%
Luapula	Kawambwa	14918	15965	-1046	-7%
Luapula	Lunga	86	296	-210	-71%
Luapula	Mansa	16402	17172	-770	-4%
Luapula	Milengi	2476	3449	-973	-28%
Luapula	Mwansabombwe				
Luapula	e	4002	3974	29	1%
Luapula	Mwense	4498	4658	-160	-3%
Luapula	Nchelenge	8274	8389	-115	-1%
Luapula	Samfya	1060	1891	-831	-44%
Lusaka	Chilanga	23660	23540	120	1%
Lusaka	Chirundu	2523	2753	-230	-8%



Lusaka	Chongwe	34279	33735	544	2%
Lusaka	Kafue	16112	16023	90	1%
Lusaka	Luangwa	815	1004	-188	-19%
Lusaka	Lusaka	3125	3041	84	3%
Lusaka	Rufunsa	28971	28407	564	2%
Lusaka	Shibuyunji	26389	26387	2	0%
Muchinga	Chama	10053	12840	-2787	-22%
Muchinga	Chinsali	9536	10116	-581	-6%
Muchinga	Isoka	31697	32032	-335	-1%
Muchinga	Kanchibiya	11873	12570	-697	-6%
Muchinga	Lavushimanda	7612	8666	-1054	-12%
Muchinga	Mafinga	12648	12721	-72	-1%
Muchinga	Mpika	10983	11615	-632	-5%
Muchinga	Nakonde	28901	28693	209	1%
Muchinga	Shiwamg'andu	11446	12839	-1394	-11%
North-Western	Chavuma	7162	7075	87	1%
North-Western	Ikelenge	5539	5463	75	1%
North-Western	Kabompo	9774	9355	419	4%
North-Western	Kalumbila	19795	18789	1006	5%
North-Western	Kasempa	24428	24343	86	0%
North-Western	Manyinga	11947	11409	538	5%
North-Western	Mufumbwe	24781	23761	1020	4%
North-Western	Mushindano	11086	11018	69	1%
North-Western	Mwinilunga	10857	11031	-174	-2%
North-Western	Solwezi	25438	24951	487	2%
North-Western	Zambezi	11756	11699	57	0%
Northern	Chilubi	1978	3219	-1241	-39%
Northern	Kaputa	2182	3561	-1380	-39%
Northern	Kasama	22760	24935	-2175	-9%
Northern	Lunte District	13070	15341	-2270	-15%
Northern	Lupososhi	2018	3096	-1078	-35%
Northern	Luwingu	8955	10152	-1197	-12%
Northern	Mbala	38119	40288	-2169	-5%
Northern	Mporokoso	4451	5506	-1055	-19%
Northern	Mpulungu	14061	16627	-2566	-15%
Northern	Mungwi	13872	15344	-1472	-10%
Northern	Nsama	2805	4121	-1316	-32%
Northern	Senga Hill	30385	30759	-374	-1%
Southern	Chikankanta	37059	37252	-193	-1%
Southern	Choma	66614	65506	1108	2%
Southern	Gwembe	4508	4677	-169	-4%
Southern	Kalomo	106344	103728	2616	3%
Southern	Kazungula	58395	57965	430	1%
Southern	Livingstone	4096	4032	64	2%
Southern	Mazabuka	65746	66814	-1068	-2%
Southern	Monze	103793	105245	-1452	-1%
Southern	Namwala	46153	46008	146	0%
Southern	Pemba	22569	22010	559	3%
Southern	Siavonga	1916	2063	-148	-7%
Southern	Sinazongwe	22651	22511	140	1%
Southern	Zimba	59511	58799	712	1%
Western	Kalabo	8580	8788	-208	-2%



Western	Kaoma	21788	21308	480	2%
Western	Limulunga	5405	5481	-76	-1%
Western	Luampa	17088	17396	-308	-2%
Western	Lukulu	10080	10080	0	0%
Western	Mitete	4523	4554	-31	-1%
Western	Mongu	10612	10825	-214	-2%
Western	Mulobezi	12965	13467	-501	-4%
Western	Mwandi	12279	12274	5	0%
Western	Nalolo	8118	8288	-170	-2%
Western	Nkeyema	12912	12647	265	2%
Western	Senanga	16047	16547	-501	-3%
Western	Sesheke	13589	13589	0	0%
Western	Shang'ombo	9230	9655	-425	-4%
Western	Sikongo	2654	3123	-469	-15%
Western	Sioma	7819	8161	-342	-4%
Total		2916263	2992815	-76551	-3%

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.

Suggested Citation: Ndoye, A., M. Dia, and K. Dia. 2024. AAgWa Crop Production Forecasts Brief Series: Zambia – Maize. AAgWa Crop Production Forecasts Brief Series, No. 120. Kigali: AKADEMIYA2063. <https://doi.org/10.54067/acpf.120>