

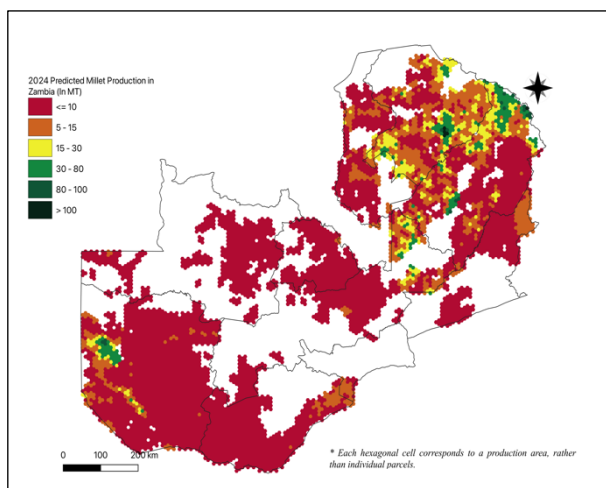
AAGWa Crop Production Forecasts Brief Series Zambia – Millet

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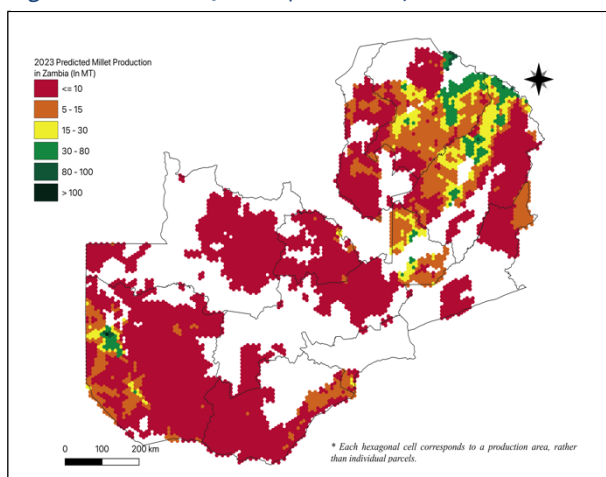
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow stakeholders across the value chain to better plan and execute policy and business actions more efficiently. 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 147, we provide forecasts on millet production in Zambia.

Figure 1. Zambia 2024 Millet production forecast.



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

Figure 2. Zambia 2023 Millet production forecast.



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

In 2024, millet production in Zambia is projected to decline by 13% compared to 2023 production levels, corresponding to an annual production of 23,911 metric tons (MT). However, the highest millet producers are expected to be in the Northern and Western areas such as Kasama (Northern), Isoka (Muchinga), Nakonde (Muchinga), Kalabo (Western), and Mungwi (Northern), with production levels estimated at 2,457 MT, 1,595 MT, 1,592 MT, 1,535 MT, and 1,380 MT, respectively. In comparison, lower production values are observed in Kabompo (North-Western), Rufunsa (Lusaka), Lufwanyama (Copperbelt), Pemba (Southern), and Mufulira (Copperbelt), with production levels reaching only 1 MT, 1 MT, 1 MT, 4 MT, and 4 MT, respectively.

Compared to 2023, the most significant millet production declines in 2024 are expected to occur in areas such as Shiwamg'andu (Muchinga), Senga Hill (Northern), Lunte District (Northern), Chinsali (Muchinga), and Mungwi, with reductions of respectively 1,260 MT, 1,200 MT, 841 MT, 501 MT, and 486 MT. These correspond to changes of respectively, -76%, -76%, -79%, -32%, and -26%.

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However, areas such as Kasama, Isoka, Chilubi (Northern), and Lupososhi (Northern) are expected to experience the highest increases of, respectively, 926 MT, 710 MT, 483 MT, and 455 MT. These correspond to changes of 60%, 80%, 310%, and 174% respectively.

Annex – 2024 Zambia Millet Production Forecast at District level

Provinces	Districts	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Central	Chibombo	5	7	-2	-27%
Central	Chitambo	807	855	-48	-6%
Central	Itezhi-tezhi	18	35	-17	-49%
Central	Kabwe	0	2	-2	-110%
Central	Kapiri Mposhi	262	280	-18	-6%
Central	Luano	39	89	-50	-56%
Central	Mkushi	76	176	-101	-57%
Central	Ngabwe	4	9	-5	-54%
Central	Serenje	694	830	-135	-16%
Copperbelt	Chililabombwe	16	30	-14	-46%
Copperbelt	Chingola	23	40	-16	-40%
Copperbelt	Kalulushi	5	13	-8	-59%
Copperbelt	Kitwe	29	57	-28	-49%
Copperbelt	Luanshya	4	9	-5	-53%
Copperbelt	Lufwanyama	1	29	-28	-97%
Copperbelt	Masaiti	63	103	-40	-39%
Copperbelt	Mpongwe	67	150	-83	-55%
Copperbelt	Mufulira	4	8	-4	-50%
Copperbelt	Ndola	9	13	-4	-30%
Eastern	Chasefu	146	180	-34	-19%
Eastern	Chipangali	9	12	-3	-25%
Eastern	Lumezi	204	233	-29	-12%
Eastern	Lundazi	102	106	-5	-5%
Eastern	Mambwe	7	1	6	478%
Eastern	Nyimba	0	1	-1	-93%
Eastern	Petauke	23	37	-15	-40%
Eastern	Sinda	6	12	-6	-48%
Luapula	Chembe	21	54	-32	-60%
Luapula	Chifunabuli	90	22	68	312%
Luapula	Chipili	68	16	52	333%
Luapula	Kawambwa	226	374	-147	-39%
Luapula	Lunga	67	2	65	3045%
Luapula	Mansa	306	363	-57	-16%
Luapula	Milengi	38	112	-74	-66%
Luapula	Mwansabombwe	86	67	19	28%
Luapula	Mwense	34	26	8	31%
Luapula	Nchelenge	15	12	3	24%
Luapula	Samfya	12	7	5	72%
Lusaka	Chirundu	118	148	-30	-20%
Lusaka	Rufunsa	1	3	-2	-71%
Muchinga	Chama	243	390	-147	-38%
Muchinga	Chinsali	1078	1579	-501	-32%
Muchinga	Isoka	1595	886	710	80%
Muchinga	Kanchibiya	796	1031	-234	-23%
Muchinga	Lavushimanda	445	282	162	57%
Muchinga	Mafinga	501	121	379	312%

Muchinga	Mpika	1071	629	442	70%
Muchinga	Nakonde	1592	1432	159	11%
Muchinga	Shiwamg'andu	390	1649	-1260	-76%
North-Western	Chavuma	27	46	-19	-41%
North-Western	Ikelenge	0	4	-4	-97%
North-Western	Kabompo	1	1	0	0%
North-Western	Kalumbila	30	185	-154	-83%
North-Western	Kasempa	47	194	-147	-76%
North-Western	Mufumbwe	10	10	0	0%
North-Western	Mwinilunga	0	4	-4	-90%
North-Western	Solwezi	41	114	-73	-64%
North-Western	Zambezi	16	21	-5	-24%
Northern	Chilubi	639	156	483	310%
Northern	Kasama	2457	1531	926	60%
Northern	Lunte District	227	1068	-841	-79%
Northern	Lupososhi	716	262	455	174%
Northern	Luwingu	395	798	-403	-51%
Northern	Mbala	97	277	-181	-65%
Northern	Mporokoso	271	481	-211	-44%
Northern	Mpulungu	641	382	259	68%
Northern	Mungwi	1380	1866	-486	-26%
Northern	Nsama	15	7	8	107%
Northern	Senga Hill	387	1587	-1200	-76%
Southern	Chikankanta	32	32	0	0%
Southern	Gwembe	169	216	-46	-21%
Southern	Kalomo	48	56	-8	-14%
Southern	Kazungula	209	264	-55	-21%
Southern	Livingstone	6	5	1	22%
Southern	Pemba	4	7	-3	-44%
Southern	Siavonga	126	153	-27	-18%
Southern	Sinazongwe	162	202	-40	-20%
Southern	Zimba	53	56	-3	-5%
Western	Kalabo	1535	1681	-146	-9%
Western	Kaoma	147	177	-31	-17%
Western	Limulunga	22	27	-5	-18%
Western	Luampa	131	153	-22	-14%
Western	Lukulu	40	51	-11	-22%
Western	Mitete	7	11	-4	-36%
Western	Mongu	103	75	28	37%
Western	Mulobezi	161	202	-41	-20%
Western	Mwandi	128	160	-32	-20%
Western	Nalolo	185	163	22	14%
Western	Nkeyema	91	98	-6	-6%
Western	Senanga	212	256	-44	-17%
Western	Sesheke	182	179	3	2%
Western	Shang'ombo	437	561	-124	-22%
Western	Sikongo	464	749	-285	-38%
Western	Sioma	444	534	-90	-17%
Total		23911	27584	-3673	-13%

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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