

AAGWa Crop Production Forecasts Brief Series

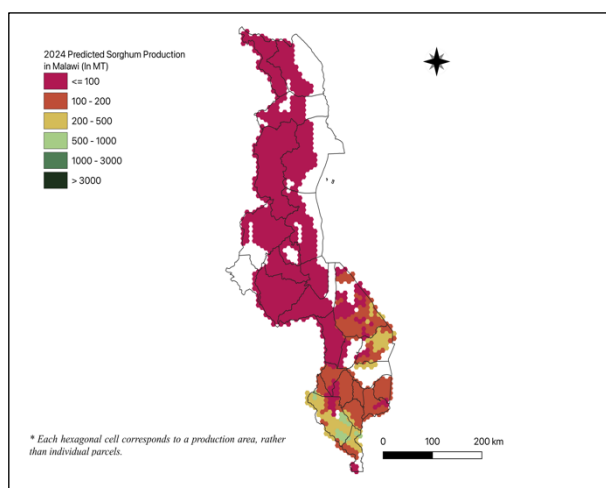
Malawi – Sorghum

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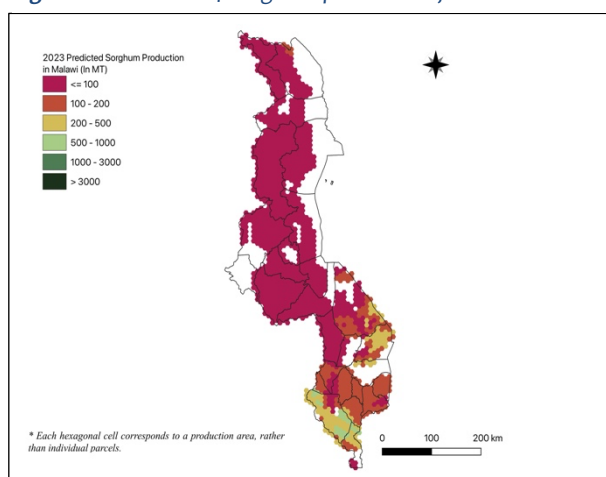
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly

Figure 1. Malawi 2024 Sorghum production forecast.



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

Figure 2. Malawi 2024 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 143, we provide forecasts on sorghum production in Malawi.

In 2024, sorghum production in Malawi is projected to decline by 18% compared to 2023, with an annual production of 64,525 metric tons (MT). The most significant sorghum production levels are expected in the Southern areas, particularly in TA Ngabu (Chikwawa), TA Chapananga (Chikwawa), TA Makhwira (Chikwawa), Lengwe National Park (Chikwawa), and TA Maseya (Chikwawa) with production levels estimated at 5,042 MT, 3,003 MT, 2,529 MT, 2,081 MT, and 1901 MT, respectively. In contrast, lower production values are observed in Vwaza Marsh Game Reserve - Mzimba (Mzimba), TA Musisya (Nkhata Bay), SC Kafuzila (Nkhata Bay), SC Zilakoma (Nkhata Bay), and SC Mwalweni (Rumphi), with production of, respectively, 7 MT, 14 MT, 18 MT, 20 MT, and 31 MT.

Moreover, the most significant sorghum production declines in 2024 are expected to occur in areas such as TA Mlolo (Nsanje), SC Mbenje (Nsanje), SC Mduwa (Phalombe), TA Mkhumba (Chikwawa), and TA

Chapananga (Kasungu), with differences of respectively -2,292 MT, -1,666 MT, -1,365 MT, -912 MT, and -826 MT. These correspond to changes of respectively, -92%, -70%, -91%, -23%, and -100%.

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Annex – 2024 Malawi Sorghum Production Forecast at District Level

Districts	Areas	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Balaka	TA Kalembo	55	27	28	104%
Balaka	TA Nsamala	59	56	3	5%
Blantyre	Blantyre City	0	493	-493	-100%
Blantyre	TA Chigaru	0	624	-624	-100%
Blantyre	TA Kapeni	0	554	-554	-100%
Blantyre	TA Kuntaja	0	470	-470	-100%
Blantyre	TA Kunthembwe	0	375	-375	-100%
Blantyre	TA Lundu	0	189	-189	-100%
Blantyre	TA Machinjili	0	185	-185	-100%
Blantyre	TA Somba	0	554	-554	-100%
Chikwawa	Lengwe National Park Majete Game Reserve -	2081	2858	-777	-27%
Chikwawa	Chikwawa	575	635	-60	-9%
Chikwawa	TA Chapananga	3003	3915	-912	-23%
Chikwawa	TA Kasisi	584	84	499	593%
Chikwawa	TA Katunga	1344	42	1302	3067%
Chikwawa	TA Makhwira	2529	2716	-187	-7%
Chikwawa	TA Maseya	1901	0	1901	inf
Chikwawa	TA Ngabu	5042	5488	-445	-8%
Chiradzulu	TA Kadewere	0	352	-352	-100%
Chiradzulu	TA Likoswe	0	173	-173	-100%
Chiradzulu	TA Mpama	0	527	-527	-100%
Chiradzulu	TA Nchema	0	178	-178	-100%
Chiradzulu	TA Nkalo	0	176	-176	-100%
Chitipa	Nyika N.P. - Chitipa	215	156	60	39%
Chitipa	TA Kameme	107	114	-7	-6%
Chitipa	TA Mwabulambya	354	420	-66	-16%
Chitipa	TA Mwenemisuku	159	312	-153	-49%
Chitipa	TA Mwenewenya	228	268	-40	-15%
Chitipa	TA Nthalire	245	247	-2	-1%
Dedza	SC Chauma	63	81	-18	-22%
Dedza	SC Chilikumwendo	186	205	-20	-10%
Dedza	SC Kamenya Gwaza	103	113	-10	-9%
Dedza	TA Kachindamoto	446	281	165	59%
Dedza	TA Kaphuka	382	373	9	2%
Dedza	TA Kasumbu	286	285	1	0%
Dedza	TA Pemba	456	554	-98	-18%
Dedza	TA Tambala	272	269	3	1%
Dowa	SC Chakhaza	1207	293	914	312%
Dowa	SC Kayembe	707	201	507	253%
Dowa	SC Mkukula	568	190	377	198%
Dowa	SC Mponela	465	146	319	219%
Dowa	TA Chiwere	748	252	496	197%
Dowa	TA Dzoole	792	238	554	232%
Dowa	TA Msakambewa	664	226	438	194%
Karonga	Lake Malawi	41	189	-147	-78%
Karonga	Nyipa N. P. - Karonga	242	177	66	37%
Karonga	SC Mwakaboko	62	150	-88	-59%
Karonga	SC Mwirang'ombe	86	81	5	6%

Karonga	TA Kilupula	118	255	-137	-54%
Karonga	TA Kyungu	547	632	-85	-13%
Karonga	TA Wasambo	175	238	-63	-26%
Kasungu	Kasungu National Park	287	201	86	43%
Kasungu	SC Chilowamatambe	678	121	557	461%
Kasungu	SC Chisikwa	133	62	72	117%
Kasungu	SC Kawamba	453	0	453	inf
Kasungu	SC Lukwa	156	33	122	367%
Kasungu	SC M'nyanja	217	79	137	173%
Kasungu	SC Njombwa	239	34	205	595%
Kasungu	SC Simlemba	495	198	297	150%
Kasungu	TA Chulu	528	205	323	158%
Kasungu	TA Kaluluma	455	173	282	163%
Kasungu	TA Kaomba	462	98	364	370%
Kasungu	TA Kapelula	330	141	188	133%
Kasungu	TA Mwase	311	103	208	201%
Kasungu	TA Santhe	882	0	882	inf
Kasungu	TA Wimbe	1004	389	615	158%
Lilongwe	Lilongwe City	285	424	-139	-33%
Lilongwe	SC Chitekwele	428	321	107	33%
Lilongwe	SC Mtema	170	260	-90	-35%
Lilongwe	SC Tsabango	62	82	-19	-23%
Lilongwe	TA Chadza	254	314	-61	-19%
Lilongwe	TA Chimutu	244	338	-94	-28%
Lilongwe	TA Chiseka	813	1112	-299	-27%
Lilongwe	TA Chitukula	58	84	-26	-31%
Lilongwe	TA Kabudula	574	612	-38	-6%
Lilongwe	TA Kalolo	354	430	-77	-18%
Lilongwe	TA Kalumba	60	83	-24	-29%
Lilongwe	TA Kalumbu	63	80	-17	-21%
Lilongwe	TA Khongoni	569	223	346	155%
Lilongwe	TA Malili	314	419	-105	-25%
Lilongwe	TA Mazengera	250	314	-64	-20%
Machinga	Liwonda National Park	336	0	336	inf
Machinga	SC Chamba	43	76	-33	-44%
Machinga	SC Chikweo	573	868	-295	-34%
Machinga	SC Chiwalo	147	229	-82	-36%
Machinga	SC Mlomba	357	615	-258	-42%
Machinga	SC Mposa	126	147	-21	-14%
Machinga	SC Ngokwe	244	369	-125	-34%
Machinga	SC Sitola	278	168	111	66%
Machinga	TA Kawinga	1008	1317	-309	-23%
Machinga	TA Liwonde	617	653	-36	-6%
Machinga	TA Nyambi	371	594	-223	-38%
Mangochi	Lake Malawi	246	339	-93	-27%
Mangochi	Lake Malombe	254	277	-23	-8%
Mangochi	SC Chowe	921	923	-2	0%
Mangochi	SC Mbwana Nyambi	801	1235	-434	-35%
Mangochi	SC Namabvi	293	271	23	8%
Mangochi	TA Chimwala	1028	1564	-536	-34%
Mangochi	TA Jalasi	698	1071	-373	-35%
Mangochi	TA Katuli	322	526	-203	-39%

Mangochi	TA Makanjila	516	316	200	63%
Mangochi	TA Mponda	697	797	-100	-13%
Mangochi	TA Nankumba	927	621	306	49%
Mchinji	SC Dambe	472	0	472	inf
Mchinji	SC Mavwere	595	0	595	inf
Mchinji	SC Mduwa	1008	0	1008	inf
Mchinji	TA Mkanda	693	0	693	inf
Mchinji	TA Mlonyeni	163	0	163	inf
Mchinji	TA Zulu	873	0	873	inf
	Mulanje Mountain Forest Reserve	0	418	-418	-100%
Mulanje	SC Juma	79	584	-505	-86%
Mulanje	SC Laston Njema	0	159	-159	-100%
Mulanje	TA Chikumbu	0	248	-248	-100%
Mulanje	TA Mabuka	0	813	-813	-100%
Mulanje	TA Nkanda	0	463	-463	-100%
Mulanje	TA Nthiramanja	0	173	-173	-100%
	Majete Game Reserve -				
Mwanza	Mwanza	0	64	-64	-100%
Mwanza	TA Kanduku	0	588	-588	-100%
Mwanza	TA Nthache	0	428	-428	-100%
Mzimba	Mzuzu City	148	112	36	32%
Mzimba	SC Jaravikuba Munthali	122	101	21	21%
Mzimba	SC Kampingo Sibande	596	519	77	15%
Mzimba	SC Khosolo Gwaza Jere	295	438	-142	-32%
Mzimba	TA Chindi	1037	789	248	31%
Mzimba	TA M'Mbelwa	739	658	81	12%
Mzimba	TA Mabulabo	533	474	58	12%
Mzimba	TA Mpherembe	270	190	80	42%
Mzimba	TA Mtwalo	878	707	171	24%
Mzimba	TA Mzikubola	678	731	-53	-7%
Mzimba	TA Mzukuzuku	267	247	20	8%
	Vwaza Marsh Game Reserve - Mzimba	7	10	-2	-21%
Neno	TA Dambe	45	175	-130	-74%
Neno	TA Mlauli	0	571	-571	-100%
Neno	TA Ngozi	0	477	-477	-100%
Neno	TA Symon	0	411	-411	-100%
Nkhata Bay	Lake Malawi	0	826	-826	-100%
Nkhata Bay	SC Malanda	0	149	-149	-100%
Nkhata Bay	SC Nyaluwanga	0	60	-60	-99%
Nkhata Bay	SC Zilakoma	20	0	20	inf
Nkhata Bay	TA Fukamapiri	0	112	-112	-100%
Nkhata Bay	TA Kabunduli	109	786	-677	-86%
Nkhata Bay	TA Malenga Mzoma	0	72	-72	-101%
Nkhata Bay	TA Musisya	14	126	-112	-89%
Nkhata Bay	TA Timbiri	0	150	-150	-100%
Nkhotakota	Lake Malawi	0	50	-50	-100%
Nkhotakota	Nkhotakota Game Reserve	74	341	-267	-78%
Nkhotakota	SC Kafuzila	18	143	-125	-87%
Nkhotakota	SC Mphonde	0	103	-103	-100%
Nkhotakota	SC Mwansambo	0	140	-140	-100%
Nkhotakota	TA Kanyenda	42	394	-353	-90%

Nkhotakota	TA Malenga Chanzi	0	170	-170	-100%
Nkhotakota	TA Mwadzama	0	305	-305	-100%
Nsanje	Mwabvi Game Reserve	0	530	-530	-100%
Nsanje	SC Mbenje	724	2390	-1666	-70%
Nsanje	TA Mlolo	200	2492	-2292	-92%
Nsanje	TA Ndamera	0	39	-39	-100%
Nsanje	TA Tengani	0	470	-470	-100%
Ntcheu	Ntcheu Boma	60	77	-17	-22%
Ntcheu	SC Champiti	62	70	-8	-11%
Ntcheu	SC Goodson Ganya	469	346	123	36%
Ntcheu	SC Makwangwala	424	314	110	35%
Ntcheu	TA Chakhumbira	115	146	-31	-21%
Ntcheu	TA Kwataine	126	135	-9	-7%
Ntcheu	TA Masasa	151	62	90	146%
Ntcheu	TA Mpando	180	237	-57	-24%
Ntcheu	TA Njolomole	118	128	-10	-8%
Ntcheu	TA Phambala	369	496	-127	-26%
Ntchisi	TA Kalumo	140	43	97	226%
Phalombe	TA Mkhumba	137	1502	-1365	-91%
Phalombe	TA Nazombe	0	629	-629	-100%
	Nyika National Park -				
Rumphi	Rumphi	0	160	-160	-100%
Rumphi	SC Chapinduka	0	40	-40	-101%
Rumphi	SC Kachulu	0	38	-38	-100%
Rumphi	SC Mwahenga	0	115	-115	-100%
Rumphi	SC Mwalweni	31	141	-110	-78%
Rumphi	SC Mwankhunikira	0	184	-184	-100%
Rumphi	TA Chikulamayembe	0	244	-244	-100%
Rumphi	TA Katumbi	0	50	-50	-100%
Rumphi	TA Mwamlowe	0	104	-104	-100%
	Vwaza Marsh Game				
Rumphi	Reserve - Rumph	48	93	-45	-48%
Salima	Lake Malawi	0	66	-66	-99%
Salima	SC Kambalame	0	24	-24	-100%
Salima	SC Kambwiri	0	91	-91	-100%
Salima	SC Mwanza	0	122	-122	-100%
Salima	TA Karonga	0	181	-181	-100%
Salima	TA Khombedza	0	107	-107	-100%
Salima	TA Kuluunda	0	66	-66	-100%
Salima	TA Maganga	0	87	-87	-100%
Salima	TA Ndindi	0	55	-55	-99%
Salima	TA Pemba	0	106	-106	-100%
Thyolo	SC Kwethemule	0	529	-529	-100%
Thyolo	SC Mbawela	0	166	-166	-100%
Thyolo	SC Mphuka	0	348	-348	-100%
Thyolo	TA Bvumbwe	0	337	-337	-100%
Thyolo	TA Changata	0	169	-169	-100%
Thyolo	TA Chimaliro	0	671	-671	-100%
Thyolo	TA Kapichi	0	341	-341	-100%
Thyolo	TA Nchilamwela	0	171	-171	-100%
Thyolo	TA Nsabwe	0	353	-353	-100%
Thyolo	TA Thomas	0	180	-180	-100%
Thyolo	Thyolo Boma	0	170	-170	-100%



Zomba	SC Mbiza	482	0	482	inf
Zomba	TA Chikowi	234	0	234	inf
Zomba	TA Kuntumanji	234	223	11	5%
Zomba	TA Malemia	364	414	-50	-12%
Zomba	TA Mlumbe	585	208	377	181%
Zomba	TA Mwambo	400	0	400	inf
Zomba	Zomba City	69	0	69	inf
Total		64525	78461	-13934	-18%

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

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

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