

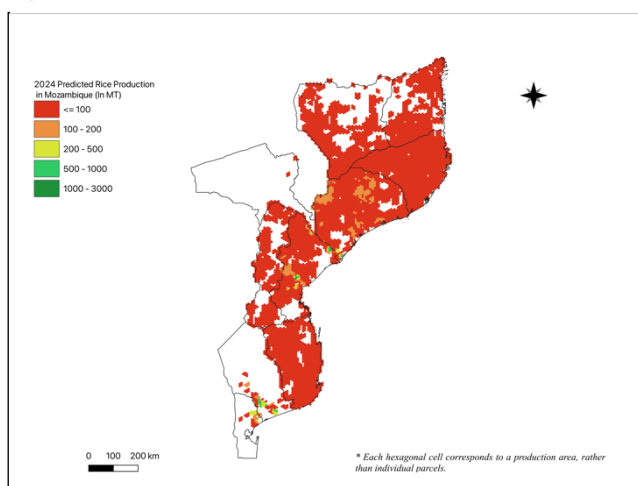
AAGWa Crop Production Forecasts Brief Series Mozambique – Rice

Aïssatou Ndoye*, Mansour Dia**, and Khadim Dia***

No. 133, April 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 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

Figure 1. Mozambique 2024 Rice production forecast.



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

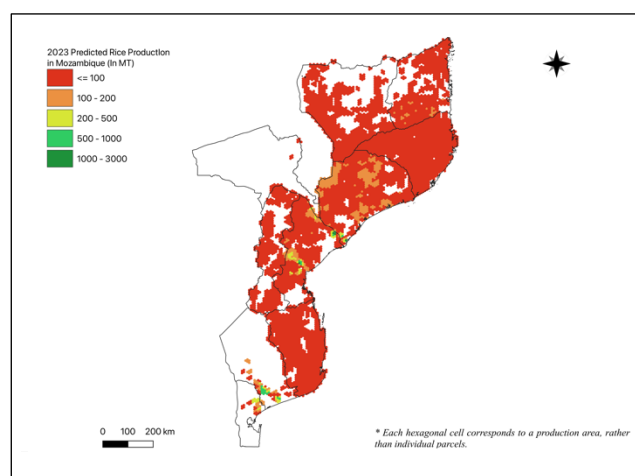
actions more efficiently. The data published in the briefs are generated through the Africa Crop Production (AfCP) model, an Artificial Intelligence (AI-based) model applied to remotely sensed geobiophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 133, we provide forecasts on rice production in Mozambique.

tons (MT). The most significant rice production levels are expected in the Eastern districts, particularly in Milange (Zambezia), Morrumbala (Zambezia), Nhamatanda (Sofala), Ile (Zambezia), and Alto Molocue (Zambezia), with production volumes estimated at 10,865 MT, 6,777 MT, 6,585 MT, 5,501 MT, and 5,194 MT, respectively. In comparison, lower production values are observed in districts such as in Massangena (Gaza), Changara (Tete), Tsangano (Tete), and Angónia (Tete), with levels reaching only, 3 MT, 14 MT, 15 MT, and 16 MT, respectively.

Moreover, the Eastern districts are expected to experience the most significant rice production decreases in 2024 compared to last year, particularly in Nhamatanda, Morrumbala, Milange, and Chemba (Sofala), with differences of 1,876 MT, 1,799 MT, 1,669 MT, and 1,203 MT, respectively. These correspond to changes of, respectively, -22%, -21%, -13%, and -43%.

In 2024, rice production in Mozambique is projected to decline by 14% compared to the previous year, indicating an annual production of 145,681 metric

Figure 2. Mozambique 2023 Rice production forecast.



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

*Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

**Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

***Senior Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063



Annex – 2024 Mozambique Rice Production Forecast at District Level

Provinces	Districts	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Cabo Delgado	Ancuabe	1547	1889	-341	-18%
Cabo Delgado	Balama	1723	2169	-445	-21%
Cabo Delgado	Chiúre	1858	2451	-593	-24%
Cabo Delgado	Macomia	647	648	-2	0%
Cabo Delgado	Meluco	276	261	15	6%
Cabo Delgado	Mocimboa da Praia	758	727	31	4%
Cabo Delgado	Montepuez	1633	2054	-421	-21%
Cabo Delgado	Mueda	913	888	25	3%
Cabo Delgado	Muidumbe	600	634	-34	-5%
Cabo Delgado	Namuno	2985	3875	-890	-23%
Cabo Delgado	Nangade	1113	1117	-4	0%
Cabo Delgado	Palma	591	475	116	24%
Cabo Delgado	Pemba	209	282	-72	-26%
Cabo Delgado	Quissanga	73	71	2	3%
Gaza	Bilene	171	196	-24	-12%
Gaza	Chibuto	293	357	-64	-18%
Gaza	Chigubo	22	59	-37	-63%
Gaza	Chókwè	4746	5702	-956	-17%
Gaza	Guijá	619	803	-184	-23%
Gaza	Mabalane	191	268	-76	-29%
Gaza	Mandlakazi	44	45	-1	-1%
Gaza	Massangena	3	11	-9	-77%
Gaza	Massingir	88	132	-43	-33%
Gaza	Xai-Xai	1823	2168	-345	-16%
Inhambane	Funhalouro	512	326	185	57%
Inhambane	Govuro	133	97	36	37%
Inhambane	Homoine	433	471	-38	-8%
Inhambane	Inharrime	290	195	94	48%
Inhambane	Inhassoro	70	42	28	65%
Inhambane	Jangamo	240	234	6	3%
Inhambane	Mabote	632	1041	-410	-39%
Inhambane	Massinga	659	217	442	203%
Inhambane	Morrumbene	434	239	195	82%
Inhambane	Panda	316	212	105	49%
Inhambane	Vilanculos	444	284	160	56%
Inhambane	Zavala	289	281	8	3%
Manica	Barue	378	339	39	12%
Manica	Gondola	720	879	-158	-18%
Manica	Guro	137	332	-196	-59%
Manica	Machaze	340	439	-99	-23%
Manica	Macossa	98	132	-34	-26%
Manica	Manica	225	317	-92	-29%
Manica	Mossurize	111	247	-136	-55%
Manica	Sussundenga	350	256	94	37%
Manica	Tambara	97	175	-77	-44%
Maputo	Magude	742	883	-141	-16%
Maputo	Manhiça	959	1174	-215	-18%
Maputo	Marracuene	32	36	-4	-11%
Maputo	Moamba	27	36	-8	-23%



Nampula	Angoche	536	584	-48	-8%
Nampula	Erati	930	1167	-237	-20%
Nampula	Lalaua	681	709	-27	-4%
Nampula	Malema	1308	1274	34	3%
Nampula	Meconta	625	675	-49	-7%
Nampula	Mecuburi	1613	1928	-315	-16%
Nampula	Memba	720	966	-246	-25%
Nampula	Mogovolas	1131	1270	-139	-11%
Nampula	Moma	1344	1686	-342	-20%
Nampula	Monapo	873	1121	-247	-22%
Nampula	Mongincual	496	669	-174	-26%
Nampula	Mossuril	364	582	-218	-37%
Nampula	Muecate	918	1018	-100	-10%
Nampula	Murupula	590	664	-74	-11%
Nampula	Nacala Velha	386	502	-116	-23%
Nampula	Namapa	999	1226	-227	-18%
Nampula	Nampula	1465	1881	-416	-22%
Nampula	Ribaue	1298	1453	-155	-11%
Nassa	Cuamba	1098	1259	-162	-13%
Nassa	Lago	593	122	471	387%
Nassa	Lichinga	1205	809	397	49%
Nassa	Majune	299	82	217	265%
Nassa	Mandimba	595	585	10	2%
Nassa	Marrupa	530	276	253	92%
Nassa	Maúá	404	107	297	279%
Nassa	Mavago	255	64	191	297%
Nassa	Mecanhelas	2061	2312	-251	-11%
Nassa	Mecula	108	101	7	7%
Nassa	Metarica	362	184	178	96%
Nassa	Muembe	379	75	304	404%
Nassa	N'gauma	546	394	152	39%
Nassa	Nipepe	303	293	10	3%
Nassa	Sanga	563	275	288	105%
Sofala	Buzi	4056	4592	-536	-12%
Sofala	Caia	2423	3580	-1157	-32%
Sofala	Chemba	1620	2823	-1203	-43%
Sofala	Cheringoma	714	644	70	11%
Sofala	Chibabava	1653	2024	-372	-18%
Sofala	Dondo	2639	2954	-315	-11%
Sofala	Gorongosa	1774	2193	-419	-19%
Sofala	Machanga	277	392	-115	-29%
Sofala	Maringue	1819	2665	-846	-32%
Sofala	Marromeu	4114	4889	-776	-16%
Sofala	Muanza	699	218	481	221%
Sofala	Nhamatanda	6585	8461	-1876	-22%
Tete	Angónia	16	12	4	31%
Tete	Changara	14	52	-38	-73%
Tete	Mutarara	148	198	-50	-25%
Tete	Tsangano	15	11	4	37%
Zambezia	Alto Molocue	5194	5803	-609	-11%
Zambezia	Chinde	3001	3587	-586	-16%
Zambezia	Gile	1775	2062	-287	-14%



Zambezia	Gurue	4607	5199	-592	-11%
Zambezia	Ile	5501	6592	-1091	-17%
Zambezia	Inhassunge	76	98	-22	-22%
Zambezia	Lugela	2509	2446	63	3%
Zambezia	Maganja da Costa	4026	4957	-932	-19%
Zambezia	Milange	10865	12534	-1669	-13%
Zambezia	Mocuba	4406	5089	-683	-13%
Zambezia	Mopeia	1819	2207	-388	-18%
Zambezia	Morrumbala	6777	8576	-1799	-21%
Zambezia	Namacurra	1431	1874	-444	-24%
Zambezia	Namarroi	2995	3323	-328	-10%
Zambezia	Nicoadala	2111	2611	-499	-19%
Zambezia	Pebane	2855	3726	-871	-23%
Total		145681	168863	-23182	-14%

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: Mozambique – Rice. AAgWa Crop Production Forecasts Brief Series, No. 133. Kigali: AKADEMIYA2063.
<https://doi.org/10.54067/acpf.133>