

AAgWa Crop Production Forecasts Brief Series

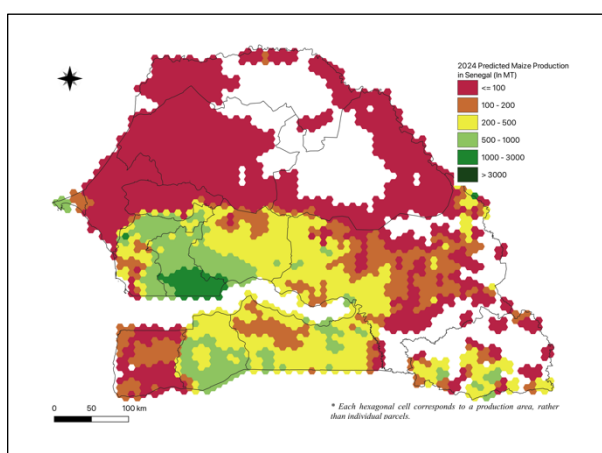
Senegal – Maize

Aïssatou Ndoeye*, Mansour Dia**, and Khadim Dia***

No. 181, August 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

Figure 1. Senegal 2024 Maize Production Forecast.



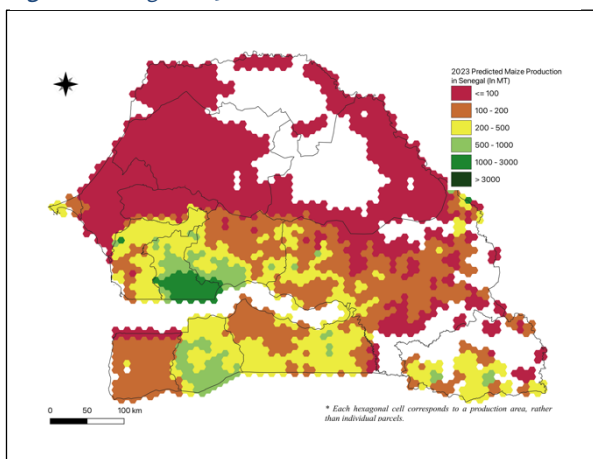
Data source: Africa Agriculture Watch (www.aagwa.org).

In 2024, maize production in Senegal is projected to reach 339,336 metric tons (MT), corresponding to a 14% increase over 2023 production levels. The highest maize producers are expected to be the Southern departments such as Nioro du Rip (Kaolack), Vélingara (Kolda), Tambacounda, Koupentoum (Tambacounda), Kaffrine, and Kaolack, with production levels estimated at 32,120 MT, 21,748 MT, 21156 MT, 21032 MT, 17183 MT, and 16,668 MT, respectively. In comparison, lower production values are observed in areas such as Rufisque (Dakar), Dakar, Bambey (Diourbel), Matam, and Oussouye (Ziguinchor), with production of, respectively, 374 MT, 557 MT, 688 MT, 705 MT, and 787 MT.

Compared to 2023, the most significant maize production increases in 2024 are expected in areas such as Koupentoum, Kounghoul (Kaffrine), Tambacounda, Vélingara, and Kolda, with differences of respectively 6,302 MT, 5,186 MT, 5,105 MT, 4,729 MT, and 3,252 MT. These correspond to changes of respectively, 43%, 48%, 32%, 28%, and 30%

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 181, we provide forecasts on maize production in Senegal.

Figure 2. Senegal 2023 Maize 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 Senegal Maize Production Forecast at District Level

Regions	Departments	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Dakar	Dakar	557	420	137	33%
Dakar	Rufisque	374	325	50	15%
Diourbel	Bambey	688	914	-225	-25%
Diourbel	Diourbel	1733	1631	101	6%
Diourbel	Mbacké	2780	2622	157	6%
Fatick	Fatick	13309	10721	2588	24%
Fatick	Foundiougne	10613	8204	2409	29%
Fatick	Gossas	6450	4575	1875	41%
Kaffrine	Birkilane	10140	8474	1666	20%
Kaffrine	Kaffrine	17183	14373	2809	20%
Kaffrine	Koungheul	15996	10810	5186	48%
Kaffrine	Malème Hodar	10619	7440	3179	43%
Kaolack	Guinguinéo	8007	6050	1957	32%
Kaolack	Kaolack	16668	14710	1958	13%
Kaolack	Nioro du Rip	32120	34954	-2834	-8%
Kédougou	Kédougou	7745	7610	135	2%
Kédougou	Salémata	3752	3641	111	3%
Kédougou	Saraya	1652	1979	-327	-17%
Kolda	Kolda	13925	10673	3252	30%
Kolda	Médina Yoro Fouta	12519	9682	2837	29%
Kolda	Vélingara	21748	17018	4729	28%
Louga	Kébémér	1626	2158	-532	-25%
Louga	Linguère	2614	4255	-1641	-39%
Louga	Louga	2140	2919	-779	-27%
Matam	Kanel	2078	3102	-1024	-33%
Matam	Matam	705	1185	-480	-40%
Matam	Ranérou Ferlo	1784	2011	-227	-11%
Saint-Louis	Dagana	1738	2331	-593	-25%
Saint-Louis	Podor	1411	1463	-53	-4%
Sédhiou	Boukiling	14045	11389	2656	23%
Sédhiou	Goudomp	11585	10679	905	8%
Sédhiou	Sédhiou	16068	14155	1913	14%
Tambacounda	Bakel	6603	6254	350	6%
Tambacounda	Goudiry	14001	13390	611	5%
Tambacounda	Koupentoum	21032	14730	6302	43%
Tambacounda	Tambacounda	21156	16051	5105	32%
Thiès	Mbour	1056	1423	-367	-26%
Thiès	Thiès	1330	1472	-142	-10%
Thiès	Tivaouane	2075	2269	-194	-9%
Ziguinchor	Bignona	5845	6972	-1127	-16%
Ziguinchor	Oussouye	787	1036	-249	-24%
Ziguinchor	Ziguinchor	1079	1707	-629	-37%
Total		339336	297777	41555	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: Senegal – Maize. AAgWa Crop Production Forecasts Brief Series, No. 181. Kigali: AKADEMIYA2063. <https://doi.org/10.54067/acpf.181>

