

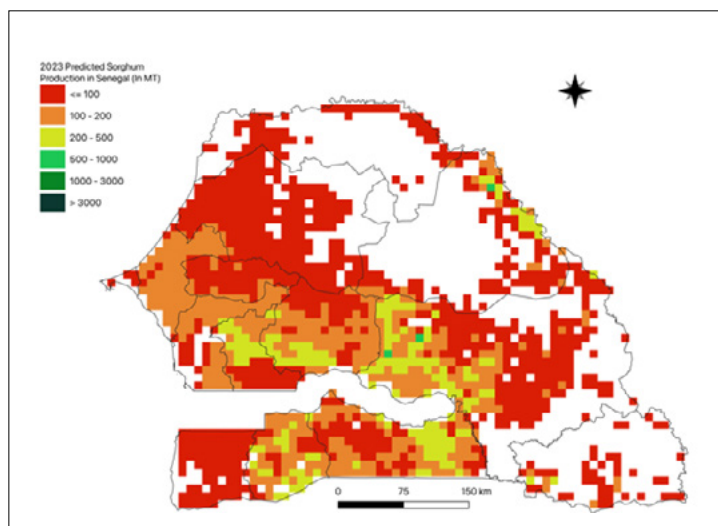
AAGWa Crop Production Forecasts Brief Series Senegal – Sorghum

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

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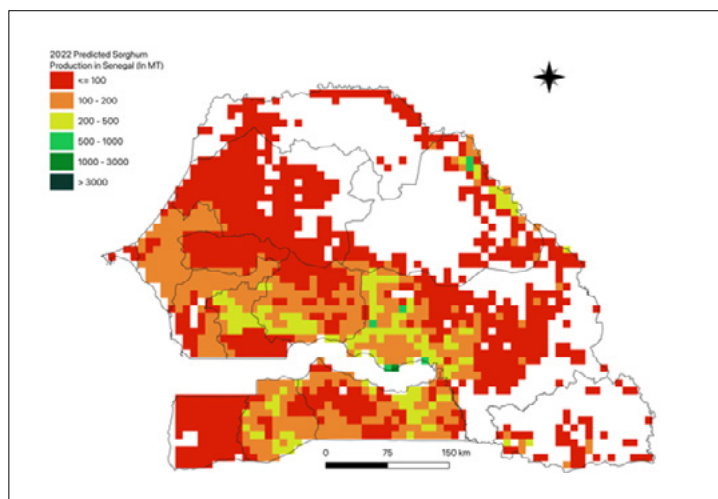
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow stakeholders across the value chain to better plan and execute policy and business actions more efficiently. The data published in the briefs are generated through the Africa Crop Production (AfCP) model, an Artificial Intelligence (AI-based)

Figure 1. Senegal 2023 sorghum production forecast.



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

Figure 2. Senegal 2022 sorghum production forecast.



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

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 54, we provide forecasts on sorghum production in Senegal.

In 2023, sorghum production in Senegal is projected to decline by 7% compared to 2022 production levels, with an annual production of 144,034 metric tons (MT). However, the production in areas such as Koupentoum (Tambacounda), Tambacounda, Vélingara (Kolda), Goudiry (Tambacounda), and Kounghoul (Kaffrine), is expected to be higher, with levels estimated at 14,791 MT, 14,197 MT, 11,036 MT, 6,330 MT, and 5,591 MT, respectively. In comparison, lower production values are observed in Rufisque (Dakar), Dakar, Oussouye (Ziguinchor), Dagana (Saint-Louis), and Ziguinchor, with production values of, respectively, 49 MT, 63 MT, 111 MT, 192 MT, and 199 MT.

Moreover, significant sorghum production decreases in 2023 compared to 2022 are expected in areas such as Tambacounda, Linguère (Louga), Goudiry (Tambacounda), Bignona (Ziguinchor), and Kounghoul with differences of respectively 2,445 MT, 1,827 MT, 1,175 MT, 953 MT, and 735 MT, corresponding to changes of respectively, -15%, -41%, -16%, -55%, and -12%.

In contrast, production is expected to increase in areas such as Tivaouane, Vélingara, Kolda, Mbour (Thiès), and Fatik with changes of respectively 8%, 3%, 7%, 10%, and 7%.

*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 – 2023 Senegal Sorghum Production Forecast at District level

| Regions | Departments | 2023 Production (MT) | 2022 Production (MT) | Difference (MT) | Change (%) |
|----------|-------------------|----------------------|----------------------|-----------------|------------|
| Dakar | Dakar | 63 | 71 | -8 | -12% |
| Dakar | Rufisque | 49 | 108 | -58 | -54% |
| Diourbel | Bambey | 1576 | 1508 | 68 | 5% |
| Diourbel | Diourbel | 1682 | 1610 | 71 | 4% |
| Diourbel | Mbacké | 2891 | 2804 | 86 | 3% |
| Fatick | Fatick | 3721 | 3489 | 232 | 7% |
| Fatick | Foundiougne | 2821 | 3089 | -268 | -9% |
| Fatick | Gossas | 2030 | 1866 | 164 | 9% |
| Kaffrine | Birkilane | 2866 | 2746 | 120 | 4% |
| Kaffrine | Kaffrine | 4694 | 4493 | 201 | 4% |
| Kaffrine | Koungheul | 5591 | 6326 | -735 | -12% |
| Kaffrine | Malème Hodar | 3884 | 3858 | 27 | 1% |
| Kaolack | Guinguinéo | 2491 | 2331 | 161 | 7% |
| Kaolack | Kaolack | 4536 | 4541 | -4 | 0% |
| Kaolack | Nioro du Rip | 1394 | 1571 | -177 | -11% |
| Kédougou | Kédougou | 1449 | 1576 | -127 | -8% |
| Kédougou | Salémata | 1206 | 1254 | -48 | -4% |
| Kédougou | Saraya | 363 | 560 | -197 | -35% |
| Kolda | Kolda | 4727 | 4431 | 296 | 7% |
| Kolda | Médina Yoro Foula | 5463 | 5669 | -206 | -4% |
| Kolda | Vélingara | 11036 | 10733 | 303 | 3% |
| Louga | Kébémér | 3006 | 3291 | -285 | -9% |
| Louga | Linguère | 2630 | 4457 | -1827 | -41% |
| Louga | Louga | 3140 | 3822 | -682 | -18% |
| Matam | Kanel | 4330 | 5035 | -706 | -14% |
| Matam | Matam | 3564 | 3993 | -429 | -11% |
| Matam | Ranéroü Ferlo | 1078 | 1364 | -286 | -21% |

| Regions | Departments | 2023 Production (MT) | 2022 Production (MT) | Difference (MT) | Change (%) |
|--------------|--------------|----------------------|----------------------|-----------------|------------|
| Saint-Louis | Dagana | 192 | 824 | -632 | -77% |
| Saint-Louis | Podor | 200 | 902 | -702 | -78% |
| Sédhiou | Boukiling | 4845 | 4680 | 166 | 4% |
| Sédhiou | Goudomp | 3547 | 4110 | -563 | -14% |
| Sédhiou | Sédhiou | 4538 | 4322 | 216 | 5% |
| Tambacounda | Bakel | 1635 | 1949 | -314 | -16% |
| Tambacounda | Goudiry | 6330 | 7504 | -1175 | -16% |
| Tambacounda | Kouparentoum | 14791 | 15432 | -642 | -4% |
| Tambacounda | Tambacounda | 14197 | 16641 | -2445 | -15% |
| Thiès | Mbour | 2613 | 2377 | 235 | 10% |
| Thiès | Thiès | 2653 | 2463 | 191 | 8% |
| Thiès | Tivaouane | 5118 | 4739 | 378 | 8% |
| Ziguinchor | Bignona | 785 | 1739 | -953 | -55% |
| Ziguinchor | Oussouye | 111 | 244 | -133 | -54% |
| Ziguinchor | Ziguinchor | 199 | 453 | -254 | -56% |
| Total | | 144034 | 154976 | -10942 | -7% |

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

Change: refers to the relative difference and is calculated as (2023 prod – 2022 prod) divided by 2022 prod.

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