

■ Bloom Farm Report

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North Field Growth Tracking Report

This report summarizes the historical growth tracking data for the "North Field" plot at Njoro Agri-Hub, providing insights into past crop performance, yields, revenues, and profit margins.

1. Overview of North Field

The North Field is one of the plots at Njoro Agri-Hub, with an area of **2.5 hectares**. Over the past 9 seasons, the field has been used to cultivate a rotation of Maize, Potatoes, and Beans.

2. Key Performance Indicators

- **Total Seasons Tracked:** 9
- **Crops Grown Historically:** Maize, Potatoes, Beans
- **Average Yield Across All Crops/Seasons:** 4.05 tons per hectare
- **Yield Trend:** Stable
- **Yield Change Percentage (Overall):** 3.2%
- **Average Revenue Per Season:** KES 385,294.44

3. Detailed Crop History and Performance

The following table provides a detailed breakdown of each crop planted in the North Field, including specific yields, revenues, profits, and profit margins for each season.

Plot ID	Year	Season	Crop	Yield (tons/ha)	Revenue (KES)	Profit (KES)	Profit Margin (%)	Crop Stage	Planting Date	Expected Harvest	Area (ha)
plotA 2022_S1	2022	S1	Maize	1.9	247000.0	100000.0	40.49	Harvested	2022-03-28	2022-08-20	2.5

plotA 2022 _S2	2022	S2	Beans	0.7	1837 50.0	8150 0.0	47.6 6	Harvested	2022 -10-25	2023 -01-20	2.5
plotA 2023 _S1	2023	S1	Potatoes	7.8	5460 00.0	5720 00.0	82.9	Harvested	2023 -04-02	2023 -07-28	2.5
plotA 2023 _S2	2023	S2	Maize	1.6	2800 00.0	1538 00.0	61.6 3	Harvested	2023 -10-27	2024 -03-18	2.5
plotA 2023 _S2	2023	S2	Maize	1.92	2496 00.0	1538 00.0	61.6 3	Harvested	2023 -10-27	2024 -03-18	2.5
plotA 2024 _S1	2024	S1	Beans	0.8	1960 00.0	1039 50.0	53.0 4	Harvested	2024 -03-26	2024 -07-12	2.5
plotA 2024 _S2	2024	S2	Potatoes	10.2	7905 00.0	5950 00.0	82.6 4	Harvested	2024 -10-29	2025 -02-06	2.5
plotA 2024 _S2	2024	S2	Potatoes	9.6	7200 00.0	5950 00.0	82.6 4	Harvested	2024 -10-29	2025 -02-06	2.5
plotA 2025 _S1	2025	S1	Maize	1.96	2548 00.0	1572 50.0	61.7 2	Tasseling/ Silking	2025 -03-25	2025 -08-15	2.5

4. Current Crop Status

As of the latest tracking data (Season S1, 2025), **Maize** is currently growing in the North Field and is in the **Tasseling/Silking** crop stage. It was planted on 2025-03-25 with an expected harvest date of 2025-08-15.

5. Insights and Recommendations

- **Potatoes** have consistently shown the highest yields and profit margins in the North Field, particularly in the 2023 S1 and 2024 S2 seasons, indicating strong profitability for this crop in

this specific plot.

- **Maize and Beans** also contribute positively, though with generally lower profit margins compared to potatoes. The average yield trend is stable, suggesting consistent farming practices or favorable conditions.
- The profit margins for Maize in 2023 S2 (61.63%) and 2025 S1 (61.72%) are notably good, showing that Maize can also be a highly profitable crop in this field.
- Consider further analysis into specific input costs for each crop to identify areas for cost optimization and further boost profitability.
- The diversified crop rotation of Maize, Potatoes, and Beans appears to be a sound strategy, contributing to soil health and potentially reducing pest and disease pressure.

References

- Data provided by the Farm Agent on 2025-10-26 (Growth Tracking Data, North Field).

Generated by Bloom AI Farming Assistant