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BANANA PLANTS

PLANTOS VERDE® IMPACT DEMONSTRATION

Reject Plants. Remarkable Results.

A full-cycle demonstration of Plantos Verde®
from first spray to commercial harvest

Reject Nursery Banana Plants · Eswatini · Williams Variety · 4 Hectares · Drone Applied

Project Overview

Trial design, objectives & spray programme

TRIAL SETUP	
Location:	Eswatini
Crop:	Bananas — Williams Variety
Field Size:	4 Hectares (2 Ha NPV | 2 Ha PV®)
Application:	Drone
Planted:	March 2025

SPRAY PROGRAMME

1. 29 July 2025
2. 19 August 2025
3. 20 September 2025
4. 28 October 2025

BACKGROUND

These plants were initially rejected by the nursery due to poor visual quality and weak early growth. The farmer chose to plant the rejects rather than discard them, and subsequently invited Agrimedic Global to evaluate Plantos Verde® on this compromised material. The block was divided into treated and untreated sections to clearly demonstrate PV®'s recovery impact

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29 July 2025 — Day of 1st Spray

BASELINE — CONTROL BLOCK (NPV)

Yellowing of leaves and stunted growth observed — clear physiological stress in reject nursery plants at time of first PV® application

29 July 2025 — Day of 1st Spray

DEMONSTRATION AREA DIVIDED

Field demarcated into NPV (untreated) and PV® (treated) sections — identical starting conditions for both blocks

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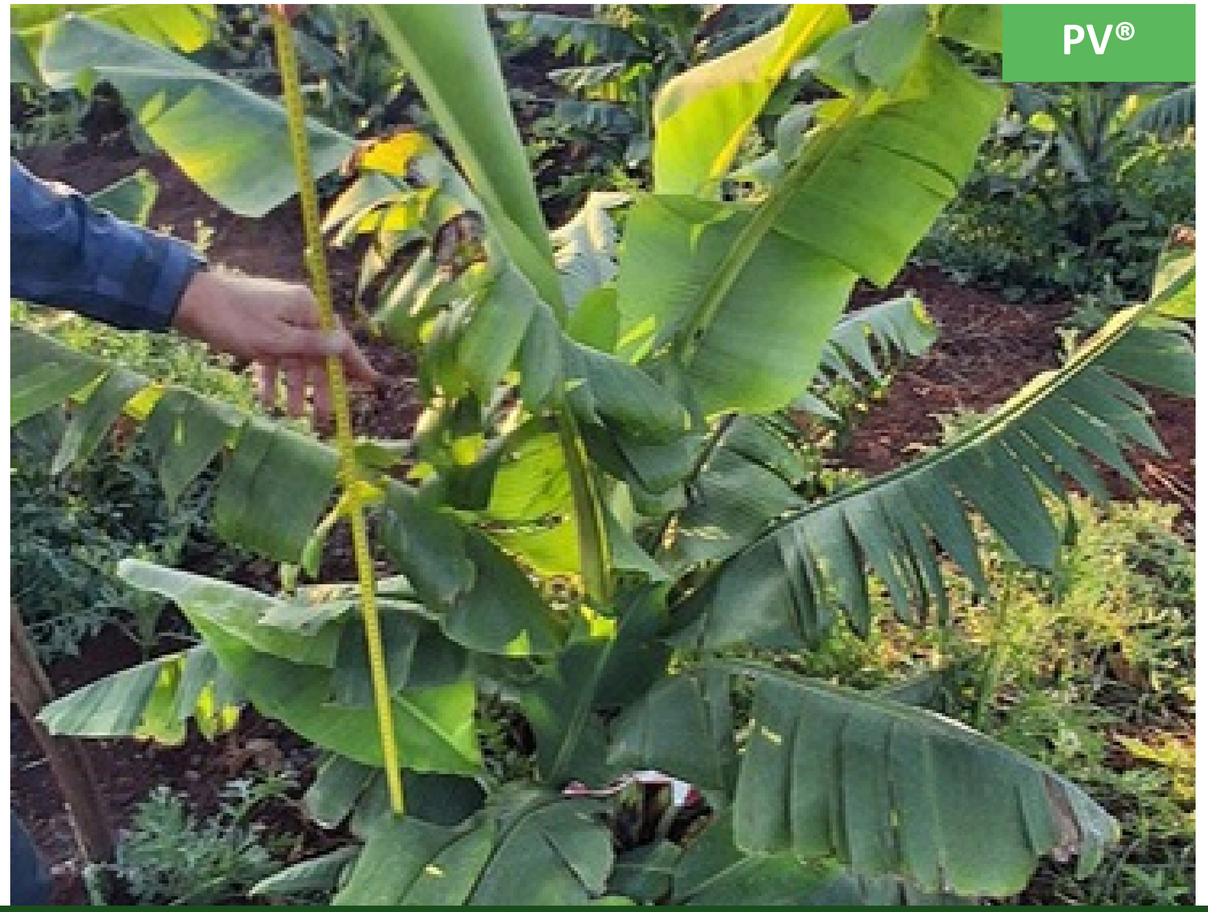
19 August 2025

Day of 2nd Spray — 3 Weeks After Treatment

Initial physiological response to PV®: strong emergence of new, healthy foliage

NPV

PV®



Just 3 weeks after first spray — PV® already stimulating vigorous new foliage while NPV plants remain stressed and stagnant

20 September 2025

Day of 3rd Spray

Comparison: 3-Month-Older Field

PV® plants busy catching up to the size of plants planted 3 months earlier

PV® BLOCK — APPROACHING SIZE OF 3-MONTH-OLDER FIELD

Growth acceleration from reject plants to near-parity with an established field in under 8 weeks

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20 September 2025

Day of 3rd Spray

Enhanced vegetative growth and intensified leaf greening observed in PV®-treated plants

NPV

PV®

NPV: sparse, uneven canopy with lighter colouration · PV®: dense, uniform, deep-green canopy emerging strongly

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28 October 2025

Day of 4th Spray

NPV

vs. 3-Month-Older Field

PV® reject plants nearly matching the older field in size and canopy density

PV®

ACCELERATED GROWTH — CLOSING THE GAP ON 3-MONTH-OLDER PLANTS

PV®-treated reject plants have nearly reached the canopy height of plants planted 3 months earlier

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28 October 2025

Day of 4th Spray

Richer leaf colour and enhanced vegetative growth in PV® plants — highlighting superior nutrient uptake

NPV

PV®

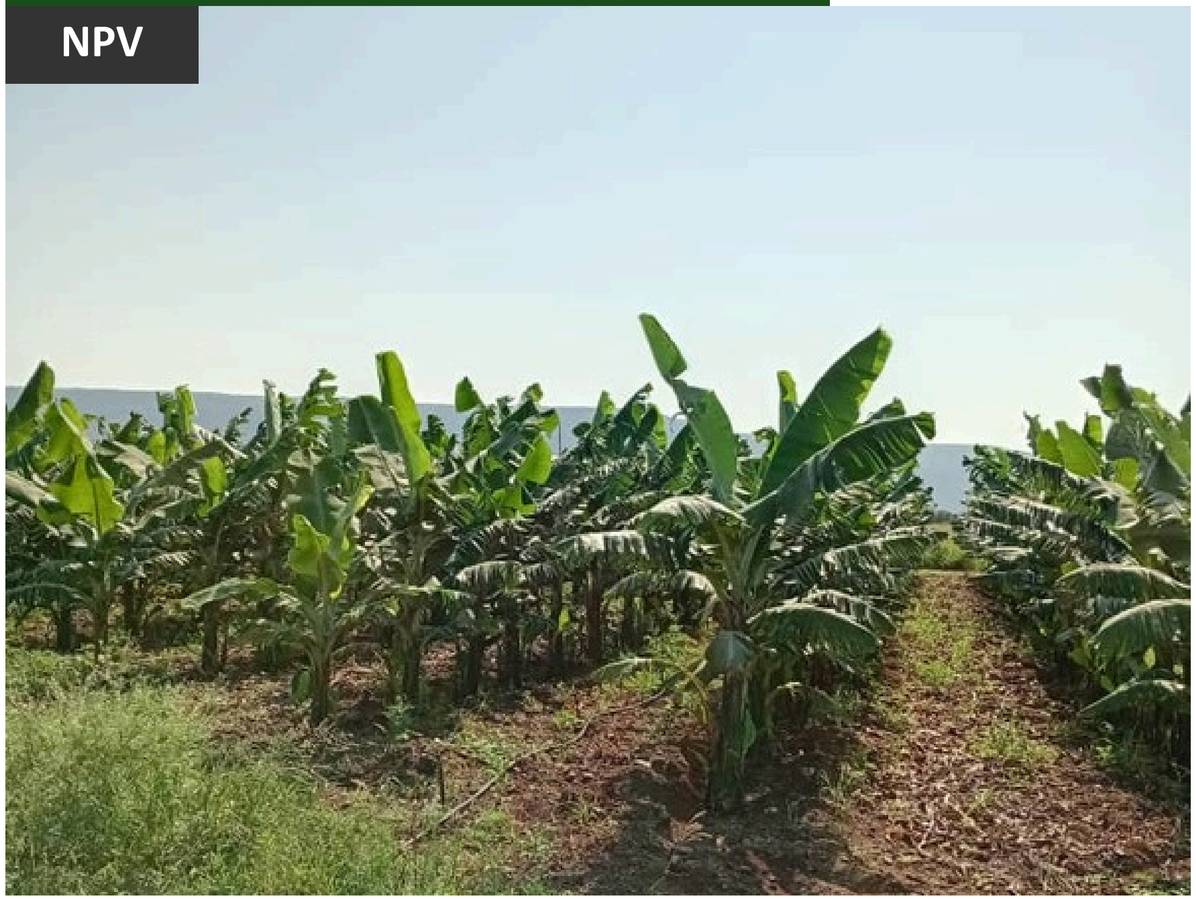
NPV: lighter colouration, slower development · PV®: richer green, stronger establishment, improved nutrient uptake

4 December 2025

Inspection

Visibly stronger vegetative growth, richer leaf colour and faster recovery in PV® vs slower, uneven NPV development

NPV



PV®

9 months after planting — the difference between treated and untreated is now unmistakeable at field level

27 January 2026

Inspection

NPV

vs. 3-Month-Older Field

PV® plants have nearly matched — and are beginning to surpass — the older comparison field

PV®

PV® BLOCK MATCHING 3-MONTH-OLDER FIELD IN SIZE AND VIGOUR

Stronger canopy development and faster physiological recovery than the older comparison field

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27 January 2026

Inspection

PV®: stronger canopy, richer leaf colour, faster recovery · NPV: lighter, uneven, noticeably slower

NPV

PV®

10 months after planting — PV® reject plants are now visually superior to the untreated block in every measurable dimension

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10 April 2026

Final Inspection

NPV

MILESTONE

PV® has OVERTAKEN the field planted 3 months earlier

PV®

PV® REJECT PLANTS HAVE OVERTAKEN THE 3-MONTH-OLDER COMPARISON FIELD

Stronger vigour, deeper green foliage, and more uniform canopy — older comparison field is now visibly less advanced

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10 April 2026

Final Inspection

PV®: far stronger vigour, deeper green foliage, advanced development · NPV: lighter, uneven, clearly behind

NPV

PV®

The final inspection tells the complete story — PV® transformed reject plants into the highest-performing block on the farm

10 April 2026

Bunch Quality Comparison

PV®: larger, fuller, more uniform bunches · NPV: smaller, lighter bunches with weaker fruit formation

NPV

PV®

Bunch quality is the ultimate commercial measure — and PV® delivers visibly superior size, fill and uniformity

Statistical Sampling Methodology

10 April 2026 — Structured field assessment

SAMPLING PROTOCOL

- Entire demonstration area evaluated row-by-row
- First 6 plants assessed per row
- Sampling area = 18% of total field area

PARAMETERS RECORDED

1. Date on the bunch of the first plant per row
2. Number of bunches covered with bags
3. Number of bunches uncovered
4. Trees in flowering stage
5. Dead trees

10 April 2026 — Statistical Results

Field assessment data: PV® treated vs Not Treated

Description	PV Count	PV %	NPV Count	NPV %
Trees Died	0	0%	13	3%
Flowering Stage	6	1%	34	8%
Banana bunch not covered with bags	25	5%	169	42%
Banana bunch covered with bags	435	93%	187	46%
Totals	466	100%	403	100%

Description	Plantos Verde Treated	Not Treated
Ave Week of Bunch formation	9,25	14,64
PV Field is ahead in bunch formation - weeks	5,39	

93%
PV® Bunches Covered

46%
NPV Bunches Covered

9.25
PV® Avg Weeks to Bunch

14.64
NPV Avg Weeks to Bunch

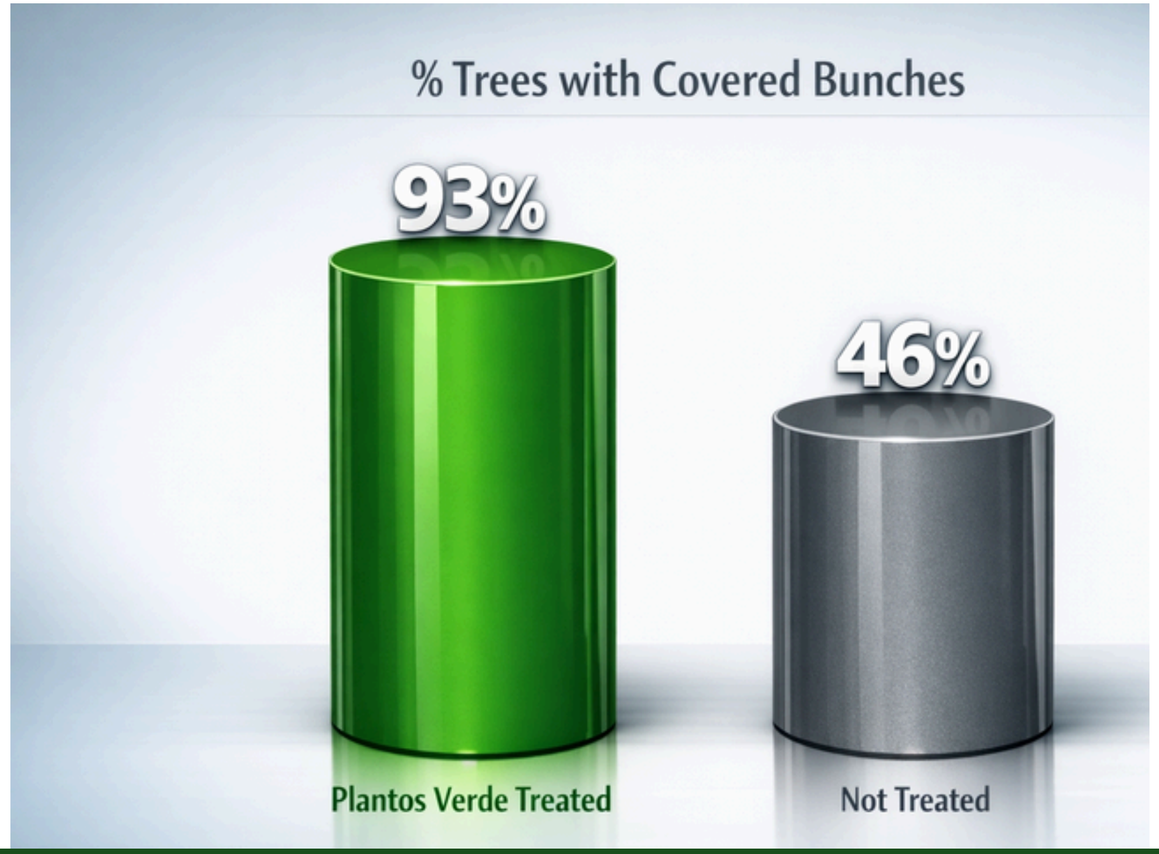
5.39
WEEKS

PV® is ahead in bunch formation

Despite starting from the same reject-quality plants, PV®-treated trees reached bunch formation an average of 5.39 weeks earlier than the untreated block — a decisive cycle advantage that translates directly to earlier cashflow.

Development Metrics — Visual Comparison

Statistical sampling results: 10 April 2026

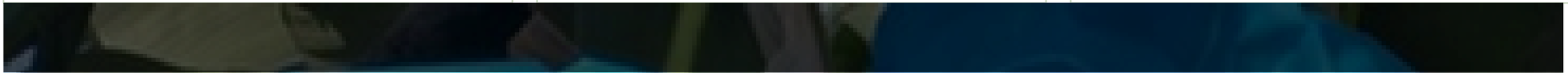


PV® outperforms NPV on every development metric — 93% vs 46% bunch coverage, and 5.39 weeks ahead in bunch formation cycle

Agronomical Summary

Development trial outcomes — July 2025 to April 2026

PLANT DEVELOPMENT	PLANT HEALTH	ECOSYSTEM
5.39-week cycle advantage in bunch formation	Zero tree mortality in PV® block (vs 3% NPV)	Consistent canopy assists with weed suppression
PV® plants progressed to bunch formation & fruit development	Superior uniformity across entire treated block	Higher beneficial insect (spider) activity in PV® block
NPV plants still in flowering — significantly delayed	Substantially thicker leaves — better water regulation	Indicates healthier, balanced ecosystem
PV® overtook 3-month-older comparison field by April 2026	Deeper green canopy — improved nutrient uptake	Reduced chemical stress — natural pest control



Financial Implications — Development Phase

How agronomic gains translate to financial performance

Earlier Harvest

5.39-week cycle acceleration means fruit reaches market earlier — capturing stronger early-season pricing and accelerating cashflow.

Maximum Productive Stand

Zero tree mortality ensures every planted position generates revenue. NPV block lost 3% of its stand — a direct yield and revenue loss.

Higher Pack-Out

Uniform bunch development, consistent canopy and reduced variability improves packhouse efficiency and reduces labour costs per crate.

Predictable Planning

Growth uniformity enables reliable harvest scheduling, reducing operational inefficiency and improving logistical predictability.

Earlier cashflow · Lower risk · Higher pack-out · Predictable operations · Maximum stand productivity

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HARVEST RESULTS

Commercial Performance
B10 (PV® Treated) vs B11 (Not Treated)

April – May 2026 | Nsoko, Swaziland

+44.9%

More 1st Grade
Export Fruit / Bunch

53% ↓

Fewer 2nd Grade
Downgrades

1.85

Crates per Bunch Ratio
vs 1.53 NPV

45% ↓

Lower
Dump Rate

Harvest Performance — Data Overview

Normalised per bunch harvested · B10 (PV® Treated) vs B11 (Not Treated)

Both B10 & B11 started from the same reject nursery plants — the lowest-quality seedlings on the farm. PV® applied to B10 only.

Metric	PV® Treated (B10)	Not Treated (B11)	PV® Advantage
Harvest Days Recorded	6 days	3 days	*All metrics normalised per bunch*
Total Bunches Harvested	4,430	540	*Per-bunch quality is the KPI*
1st Grade Export / Bunch	**1.29**	0.89	**+44.9% more premium fruit**
2nd Grade Export / Bunch	**0.099**	0.211	**53% fewer downgrades**
Crates per Bunch Ratio	**1.85**	1.53	**+21% better pack efficiency**
Dump Rate	**1.11%**	2.04%	**45% lower waste**
Doubles Rate	**1.65%**	1.85%	**Better finger uniformity**

Harvest Results — Key Metrics at a Glance

PV® (B10) vs Not Treated (B11) · Per bunch harvested

1st Grade Export / Bunch

1.29

PV® Treated

+44.9%

vs 0.89 NPV

2nd Grade Export / Bunch

0.099

PV® Treated

53% ↓

vs 0.211 NPV

Crates per Bunch Ratio

1.85

PV® Treated

+21%

vs 1.53 NPV

Dump Rate

1.11%

PV® Treated

45% ↓

vs 2.04% NPV

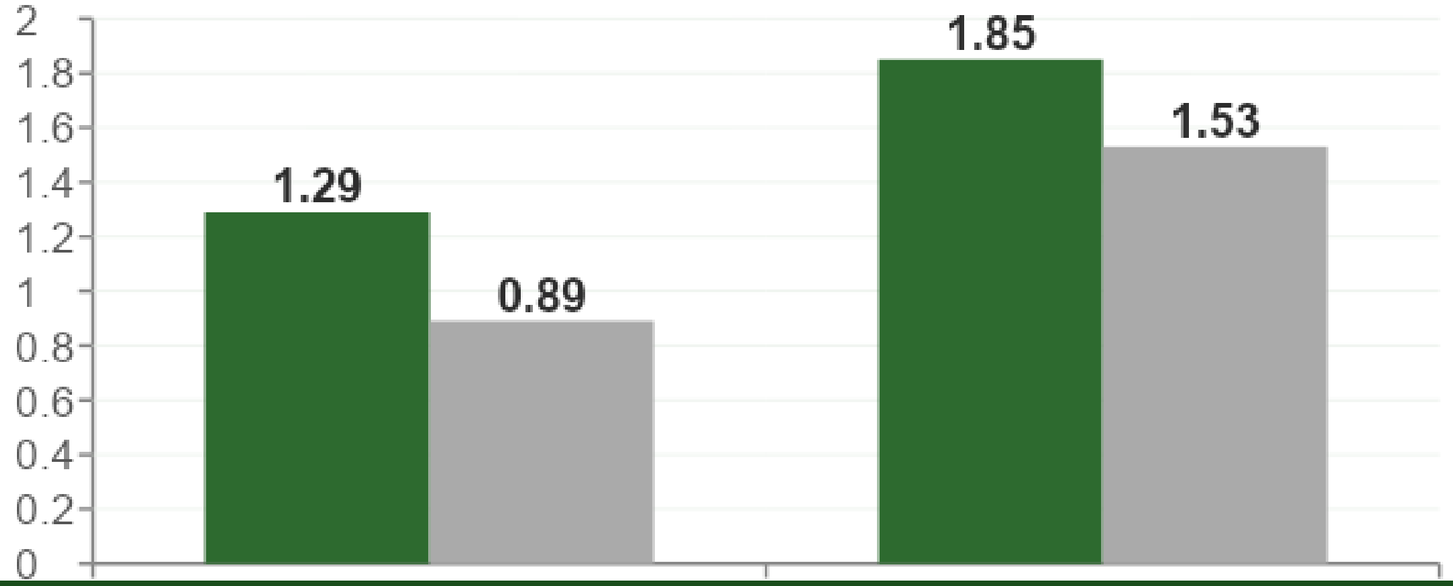
Harvest Performance — Chart Analysis

PV® Treated (B10) vs NPV Control (B11) · Per bunch harvested

= PV® Treated (B10) = NPV Control (B11)

1st Grade Export

crates per bunch



Export Ratio

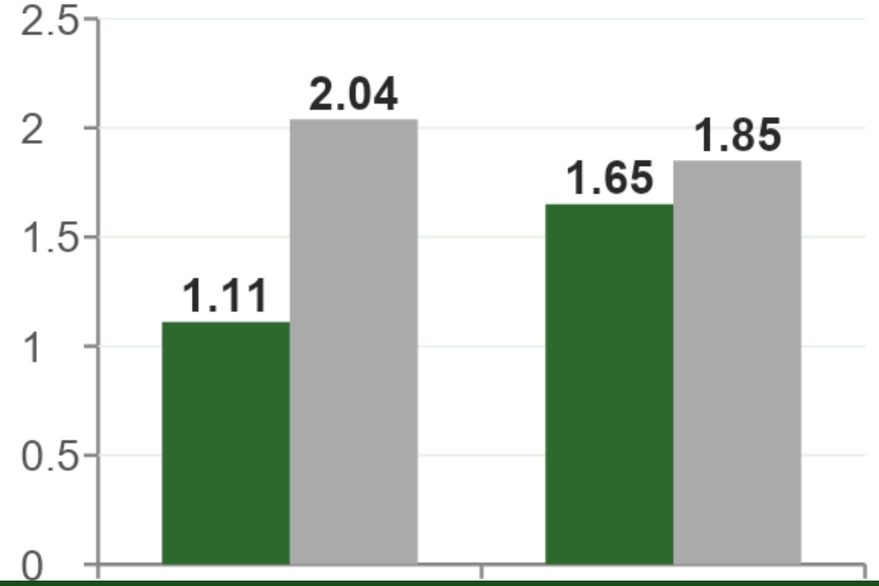
total crates per bunch

Dump Rate

total loss %

Doubles Rate

low value %



Every commercial quality metric favours PV® — more premium fruit, higher pack efficiency, lower waste

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PV® Commercial Performance — Impact Summary

B10 (PV® Treated) vs B11 (NPV Control) · Eswatini · Actual harvest data April–May 2026

VEST QUA

1ST GRADE EXPORT

▲

+44.9%

More premium crates per bunch

1.29 vs 0.89 crates/bunch

2ND GRADE DOWNGRADES

▼

–53.1%

Fewer downgrade crates per bunch

0.099 vs 0.211 crates/bunch

DOUBLES (low value)

▼

–10.8%

Fewer low-value doubles per bunch

0.0165 vs 0.0185 crates/bunch

DUMP RATE (total loss)

▼

–45.6%

Lower waste per bunch

1.11% vs 2.04% per bunch

TOTAL CRATES PER BUNCH

▲

+20.9%

More total crates per bunch

1.85 vs 1.53 crates/bunch

ELO PME

BUNCH FORMATION CYCLE

▲

36.8% Faster

9.25 weeks (PV®) vs 14.64 weeks (NPV)

Earlier harvest · Earlier cashflow · Stronger market prices

BUNCHES PRODUCTION-READY

▲

+102%

93% of PV® trees covered vs 46% NPV

More than double the harvestable stand at inspection

TREE MORTALITY

▲

0% vs 3% NPV

Zero tree losses in PV® block

Every planted position generates revenue

All metrics from actual harvest records · Reject nursery plants treated with PV® outperformed untreated plants across every commercial measure

Complete Trial Summary — July 2025 to May 2026

Development trial outcomes combined with commercial harvest results

DEVELOPMENT TRIAL	HARVEST RESULTS
✓ 5.39-week advantage in bunch formation cycle	✓ 44.9% more 1st grade export fruit per bunch (+10% revenue)
✓ 93% bunches covered (PV) vs 46% (NPV)	✓ 53% fewer 2nd grade downgrades per bunch
✓ 0% tree mortality vs 3% NPV	✓ Export ratio 1.85 vs 1.53 (+21%)
✓ Overtook 3-month-older comparison field	✓ Dump rate 1.11% vs 2.04% (45% lower)
✓ Superior leaf thickness & water regulation	✓ Doubles rate 1.65% vs 1.85%
✓ Deeper green canopy — improved nutrient uptake	✓ 5,39 weeks earlier harvest vs (NPV) (+10%)
✓ Higher beneficial insect activity	✓ Better grading stability & pack uniformity

Plantos Verde® transformed the farm's worst plants into its best-performing, highest-quality harvest block — from first spray to packing shed.

Recommendations

Maximising Plantos Verde® impact across the full production cycle

NURSERY	ESTABLISH	VEGETATIVE
Apply PV® from nursery stage Ensure early physiological advantage and stronger establishment before transplanting.	**Continue through transplanting** Secure uniform canopy development and eliminate plant losses in the critical early-field phase.	**Spray stressed or lagging fields** Accelerate recovery, intensify leaf greening and synchronise growth stages across uneven blocks.

REPRODUCTIVE	FINANCIAL	WHOLE FARM
Maintain through reproductive stages Drive earlier flowering, faster bunch formation and stronger fruit development.	**Integrate into financial planning** Capture earlier cashflow, higher early-season market prices and lower production risk.	**Roll out across all new plantings** Secure maximum productive stand and avoid the stand gaps and delays seen in untreated blocks.

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CONCLUSION

Plantos Verde® transformed the farm's lowest-quality plants into its best results.

From first spray on stressed reject plants through to commercial harvest, PV® delivered faster development, zero mortality, stronger plant health — and measurably superior export quality at the packing shed. This trial provides full-cycle agronomic and financial proof.

5.39 wks	+44.9%	1.85 vs 1.53	0% vs 3%	45% ↓
Faster Bunch Formation	More 1st Grade Fruit / Bunch	Crates per Bunch Ratio	Tree Mortality	Lower Dump Rate

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The Decision Is Yours. The Science Is *Not.*

Plantos Verde® has been validated across diverse plant categories, climates, soils, and production systems. The consistency of the results — across all of those variables — tells you something important: it works because it acts on the biology that all plants share. Not on a narrow window of conditions. On the fundamental systems that drive all plant performance.

MORE YIELD · STRONGER ROOTS · FEWER PESTS · LESS FERTILISER · BETTER QUALITY · PROVEN ROI

In every environment. In every farming system. For every crop.

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