Aidigro PN123

An All Purpose Agrochemical Adjuvant



One solution for all applications.
Delivering maximum results.

Wetting & Adhesion

Enhances contact between spray solution and plant surface.

Penetration

Facilitates efficient transfer and absorption of active ingredients into target crops and pests.

Increase Efficacy

Enhances the synergistic effects and efficacy of active ingredients on target crops and pests.

Recommended Mixing Rate by Chemical Type

Type of Chemical	Dosage (ml / 10L water)
Herbicide	1.5 ml – 3 ml
Insecticide	0.5 ml – 1 ml
Fungicide	0.5 ml – 1 ml
Foliar Application	0.5 ml – 1 ml
Plant Hormone	0.5 ml – 1 ml

Note: 1 pump ≈ 1.5 mL
Adjust dosage according to crop sensitivity and local conditions.

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Enhanced Herbicidal Efficacy and Prolonged Weed Control in Palm Circles

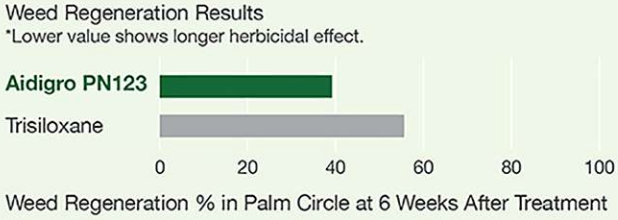
Field tests on immature fields showed that **41% Glyphosate-isopropylammonium SL** and **20% Metsulfuron-methyl WG** combined with **Aidigro PN123 achieved a higher burndown rate**, compared to Brand Y (polyether-modified trisiloxane).



Aidigro PN123 | Brand Y - Trisiloxane

Figure 1. Weed regeneration in palm circles, 8 weeks after treatment. Actual result at Kebun Nilo, PT Adei Plantation and Industry

Field tests with **24.5% Glufosinate-ammonium SL** on palm circles showed that **Aidigro PN123** achieved a higher initial burndown rate and **slowed weed regeneration by up to 35%** compared with Trisiloxane.



Reference:
Tan et al. (2025) Efficacy of Aidigro PN123 in enhancing performance of herbicides. International Palm Oil Congress and Exhibition (PIPOC), Kuala Lumpur, Malaysia, November 18-20, 2025

Compatible with Multiple Agrochemical Active Ingredients, Liquid Fertilisers and Plant Hormones



Aidigro PN123 has demonstrated excellent compatibility across a wide range of agrochemical active ingredients, fertilisers, and plant hormones.

- **Clear**
- **Flowable**
- **Low Foaming**
- **Homogenous**

Actual compatibility tests conducted with:

- Propineb 70% WP
- NPK 11:8:6 SL
- Cypermethrin 5.5% EC
- Glufosinate ammonium 18% SL
- Glyphosate-potassium 48.7% SL
- Thiram 80% WP
- Amitraz 21.7% EC
- 1-Naphthaleneacetic Acid 200ppm SL
- Salicyclic Acid 200ppm SL

Increased Fungicidal Efficacy

Aidigro PN123 enhanced the fungicidal efficacy of **Thiram 80% WP** against *Colletotrichum* sp., a fungus which causes Anthracnose and plant blights.

Colletotrichum sp. Inhibition



Untreated Control | Thiram + 2.5 mL/10L **Aidigro PN123** | Thiram + 2.5 mL/10L Trisiloxane

Under laboratory conditions, **Aidigro PN123 inhibited** the growth of *Ganoderma boninense*.

Ganoderma boninense Inhibition



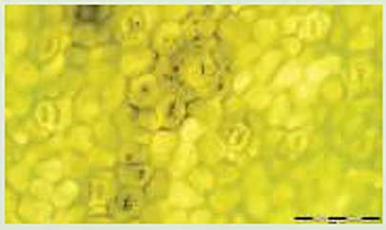
Untreated Control | 2.5 mL/10L **Aidigro PN123** | 2.5 mL/10L Trisiloxane

Improved Leaf Penetration

Lab tests showed that **Aidigro PN123 enhanced penetration** in plant leaves.



Without Aidigro PN123



With Aidigro PN123

Darker color indicates deeper penetration of the plant's cell wall.

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