

Farmer-friendly

explanation of the benefits of the minerals
in EMPAKTOR organic Fertilizers

Let's Start





Benefits of EMPAKTOR Mineral Components Organic Matter (OM)

- Improves soil structure and aeration.
- Enhances water retention, reducing drought stress.
- Feeds beneficial soil microbes for better nutrient cycling.
- Supports root development and overall soil fertility.

Higher OM in AMINO (30%) is ideal for rebuilding depleted soils. BALANCE (23%) and GREEN (27%) also improve soil structure while providing nutrients.

Nitrogen (N)

Product

Benefits

Summary

- Promotes leaf and stem growth (vegetative growth).
- Enhances chlorophyll formation, improving photosynthesis for better yields.
- Supports rapid recovery from stress or poor growth conditions.

AMINO (2% N): Gentle support for steady growth while improving soil health.

BALANCE (7% N): Balanced support for growth and flowering.

GREEN (15% N): Strong vegetative push for early growth stages or nitrogen-deficient soils.



Phosphorus (P)

- Supports root development and energy transfer in plants.
- Critical for flowering, fruiting, and seed formation.
- Improves crop establishment during transplanting or early growth.

Present in BALANCE (7% P) to aid flowering and root development.



Show More..



Product

Benefits

Summary

Potassium (K)

- Improves water use efficiency and drought resistance.
- Enhances disease resistance.
- Supports fruit development and grain filling.
- Improves crop quality (size, color, taste)..

AMINO (3% K): Supports stress resistance.

BALANCE (7% K): Provides strong potassium support for flowering and fruiting.

Not present in GREEN since it focuses on nitrogen-driven vegetative growth.

Amino Acids

- Act as biostimulants, helping plants handle heat, drought, and salinity stress.
- Improve nutrient absorption and plant metabolism.
- Support root and leaf development.

AMINO (5% Amino Acids): Directly improves plant resilience and health.

GREEN (5% Amino Acids): Supports rapid vegetative growth under stress.

Summary Table:

Product	Key Benefits
AMINO	High organic matter & amino acids, soil health, stress management, steady growth
BALANCE	Balanced NPK for growth, flowering, fruiting; supports root development
GREEN	High nitrogen for fast vegetative growth, leaf expansion, chlorophyll boost

These combinations make EMPAKTOR fertilizers effective for:

- Building soil health while feeding crops.
- Supporting **high-yield, quality harvests** for rice, maize, vegetables, and tree crops.
- Sustainable, climate-smart farming systems in Ghana and West Africa.