



# MASL Family Plant Nutrition

## Crop-Specific Series

Formulated with targeted nutrients—B Vitamins, Glutathione, Phycocyanin, Polyglutamic Acid, Seaweed Extracts, and other beneficial organic ingredients—  
to safeguard crop health and maximize productivity.

摩多生物科技有限公司

Shenyang MASL Biotechnology Co., Ltd



# Crop-Specific Series

Field Crop Formula

Leafy Vegetable Formula

Fruit Tree Formula

Root and Tuber Formula

Fruiting Vegetable Formula



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# MASL Family Plant Nutrition

## Root and Tuber Formula



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# Root and Tuber Formula

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NOS CONCENTRAMOS EN ECU  
—摩多—



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# Root and Tuber Formula



## Cassava Builder

### Cassava Bulking & Crack Prevention Specialty Fertilizer

#### Technical Specification:

Amino Acids  $\geq 100\text{g/L}$ , Cu+Fe+Mn+Zn+B+Mo  $\geq 20\text{g/L}$

Ingredient	Concentration
Free Amino Acids	100g/L
Ca	5g/L
Fe	5.5g/L
Mn	4g/L
Cu	0.5g/L
Zn	5g/L
Boron	5g/L
Polyglutamic Acid (PGA)	0.5g/L
Vitamin B3	0.5g/L

#### Benefits:

Specifically developed for the cassava bulking stage. Uses highly active L- $\alpha$  free amino acids as the energy hub, scientifically blended with multiple sources of chelated secondary/micronutrients and targeted bioactive components, systematically addressing core challenges during bulking like insufficient dry matter accumulation, vascular bundle browning and necrosis, root cracking and malformation, and exacerbated drought stress. Strongly drives the efficient accumulation of photosynthetic products in the roots through activation by multiple amino acids. Chelated Calcium and Boron work synergistically to strengthen parenchyma cell wall structure and orderly division of meristematic tissues, suppressing root cracking at the source and ensuring uniform root shape. The innovatively added synergistic module of Polyglutamic Acid and Vitamin B3 significantly improves adaptability to acidic soil environments, inhibits infection by *Fusarium* and bacterial wilt pathogens, while simultaneously enhancing vascular bundle lignification resistance. Multiple components work synergistically to enhance cassava's tolerance to

# Root and Tuber Formula



environmental stress and antimicrobial capacity, supporting healthy root growth. Ultimately achieves uniform cassava bulking, regular shape, increased starch content, improved quality, and significant yield increase.

**Applicable Crops:** Cassava, Root and Tuber Crops

## **Application Instructions:**

**Foliar Spray:** Dilute 800-1000 times. Apply at 7-10 day intervals for 2-3 consecutive applications.

**Fertigation/Drip Irrigation:** 15-30L/ha

## **Cautions:**

1. Avoid mixing with strongly acidic or alkaline fertilizers and pesticides, as this may affect product efficacy. If mixing with other products is intended, conduct a small-scale compatibility test first.
2. Reapplication at a reduced rate may be necessary if rainfall occurs within 4 hours of spraying.

## **Storage:**

1. Store and transport in the original container. Keep sealed in a cool, dry place.
2. Store separately from food, drink, and feed. Keep out of reach of children and livestock.

Production Date and Lot No.: See bottle cap. Shelf Life: 36 months.