



MAXYIELD APPLICATION PROTOCOL

Cut Roses – Commercial Production Program

1. Objective

The objective of this protocol is to maintain optimum root activity, improve nutrient efficiency, support continuous flower production, and maximize the percentage of export-grade stems throughout the commercial lifespan of the crop.

Benefits include:

- Improved root development and nutrient uptake
 - Increased number of marketable stems
 - Stronger and longer stems
 - Faster regrowth after harvesting
 - Improved flower uniformity and quality
 - Better tolerance to environmental stress
 - Enhanced soil biological activity and water-holding capacity
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2. Rose Production Cycle

Stage	Duration
Rooting of cuttings	50–60 days
Establishment to first production	Approximately 2 months
Commercial production lifespan	Up to 10 years
Typical bed renewal	Every 5 years

Roses receive fertilizer daily according to their nutritional requirements and produce continuously once established. To maintain optimal root performance and soil activity, regular applications of Maxyield are recommended throughout the production cycle.

3. Maxyield Application Rate

Recommended dosage:



- **20 g/m²**
 - **Equivalent to 200 kg/ha**
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4. Application Program

A. New Plantings

Before Planting

Apply:

- **20 g/m² (200 kg/ha)**

Incorporate evenly into the soil or growing media before transplanting.

Establishment Application

Apply:

- **20 g/m² (200 kg/ha)**

Approximately six weeks after transplanting.

B. Established Commercial Production

Apply:

- **20 g/m² (200 kg/ha) every 6 weeks**

This interval is recommended because intensive rose production and daily fertigation continuously stimulate root activity and nutrient uptake.

5. Annual Requirement

Under continuous commercial production:



6. Application Recommendations

- Apply evenly across the entire root zone.
 - Apply to moist soil or substrate.
 - Irrigate immediately after application if necessary.
 - Continue the normal fertigation program.
 - Maxyield is designed to complement the existing nutrition program and is not intended to replace fertilizers.
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7. Performance Monitoring

The following parameters should be monitored regularly:

- Number of marketable stems per m²
 - Stem length
 - Stem diameter
 - Bud size
 - Flower uniformity
 - Percentage of Grade A stems
 - Production per m²
 - Plant vigor and recovery after harvesting
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8. Program Review

After one full production year, the application interval should be reviewed.

If root activity, plant vigor, and flower quality remain stable, the interval may be extended to **8 weeks**.

Under intensive production conditions or periods of high plant stress, maintaining the **6-week application interval** is recommended to achieve maximum performance and flower quality.
