



cardmom elettaria f1 hybrid Emerald Green F1

A Seed Born from Challenge — Engineered for Excellence

Cardamom is not an easy crop — it's a long journey that demands patience, precision, and deep agronomic expertise. Unlike common commercial crops, cardamom requires a shaded and humid environment that mimics its natural forest habitat. Traditionally, it is grown under banana or mango trees to preserve optimal microclimatic conditions. For years, one of the biggest challenges in cardamom cultivation has been time. Conventional varieties often take four to five years before reaching commercial fruiting, making the crop a slow and uncertain investment.

But at Helanta Seeds, we turned that challenge into a breakthrough.

After decades of dedicated research and over 128 hectares of fieldwork since 2003, our team developed a non-GMO, F1 hybrid variety that redefines what growers can expect from cardamom. In 2018, we achieved a scientific milestone with a cultivar designed for early performance, adaptability, and efficiency.

This exceptional hybrid begins flowering and pod production in just 1.5 to 2 years, and reaches peak productivity by year three — delivering 6 to 8 kg of fresh pods per plant annually under optimal conditions. Each pod weighs 0.2 to 0.3 grams, holding 20 to 30 highly aromatic black seeds.

Beyond speed, this variety is built for resilience. It thrives in a wide range of climates and withstands temperatures up to 42°C, giving it an edge in regions affected by climate variability.

Proven in the Field. Preferred by Professionals.

After six years of rigorous field trials, this hybrid has consistently delivered outstanding performance, offering :

It is an ideal choice for tropical and subtropical regions aiming for consistent, high-performance cardamom yields with strong resilience and superior quality

- Early flowering
- Fast, vigorous growth
- Strong, lasting aroma
- Stable yields
- Highly resilient to climate fluctuations

Botanical & Agronomic Data :

Scientific Name: Elettaria cardamomum (F1 Hybrid)

Genus: Elettaria

Family: Zingiberaceae (Ginger family)

Life Cycle: Evergreen, herbaceous perennial

Hybrid Developed : Australia

Growth Habit: Upright and clumping

Edibility: Edible pods and seeds

Growth Rate: Fast

First Harvest: 1.5 to 2 years

Full Production: Year 3 onwards (6–8 kg/plant annually)

Average Pod Weight: 0.2–0.3 g

Plant Specifications :

Mature Height: 1.5–2.5 meters

Mature Width: 1.2–1.7 meters

Foliage Type: Glossy, sword-shaped, aromatic

Stem structure: A smooth, yellowish-green stalk with light

Leaf Dimensions: 25–40 cm long, 15–20 cm wide

Stem Height: 1.5–2 meters

Environmental Requirements :

Sunlight: Full sun to partial shade (tolerates up to 42°C)

Soil Type: Loamy or clay-rich, well-drained

pH Range: 5.5–6.8 (slightly acidic)

Climate: Tropical to subtropical; not frost-tolerant (avoid <10°C)

Plant Spacing: 2–3 meters

Fruit Characteristics :

Pod Type: Dry, 3-chambered capsule

Color: Dark green; turns light green when dried

Pod Size: 2–2.5 cm long × 1.5–2 cm wide

Seed Count per Pod: 20–30 aromatic black seeds

Harvesting Method: Manual, pre-ripening to prevent cracking and seed loss

Harvest Season: Autumn (based on local conditions)

Flower Characteristics :

Color: White with purple veins and pink margins

Inflorescence: Loose racemes, 40–60 cm from the base of the plant

Bloom Season: Spring

Flower Size: 1.5–2 cm wide

Structure: Labiate, 2–3 lobes



This is not just a seed — it's the product of science, time, and vision. A dependable solution for serious growers who seek high performance, faster returns, and long-term reliability.

Helanta Seeds — Because excellence takes time