



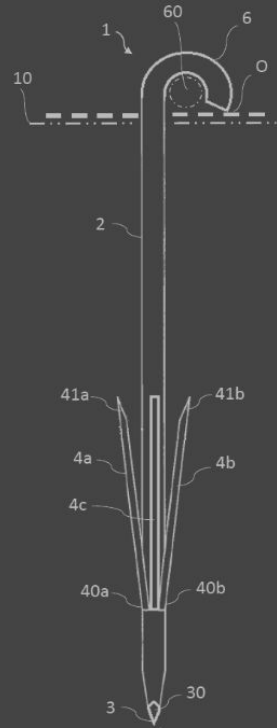
Biodegradable Maize-Starch Stakes



Problem

- Heavy, costly installation of synthetic turf
- Plastic stakes cause pollution & disposal issues
- High environmental footprint of irrigation pipe supports

Solution



- 100 % biodegradable (maize-starch) stakes
- Non-toxic, recyclable material
- Easy installation – no special tools

IP

- International patent

WO 2023/208979 A1

- No direct competitors
- Worldwide scope (US, EU, APAC)

Technology

- Optimised blend (starch + natural binders)
- Production: extruder + rotary extruder
- No groundwater pollution
- Lighter than iron staples
- Service life 15 years in outdoor use
- PLA material for soil remediation

Target market



Geotextile



Synthetic Turf

(golf clubs, hotels, municipalities)



Drip Irrigation

(orchards, vegetable farms)

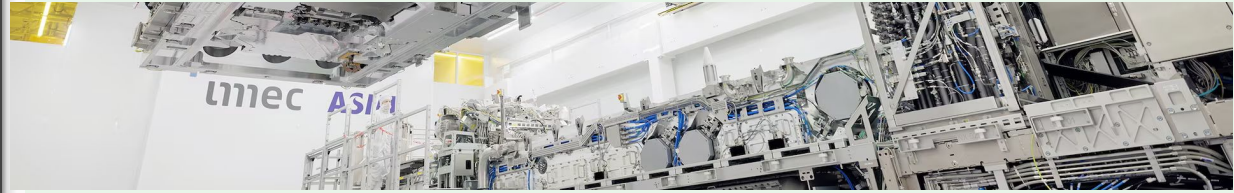
Market size 2024 ≈

€ 3 bn

Business Model

- Direct B2B sales
- Distributors & regional partners
- After-sales & maintenance services

Production Plan



- Mold machining (US\$ 360,000)
- Automated line
 - Capacity 24 M stakes/year
- ISO 9001 quality control

Funding Requirement

US\$ 860,000

for 11% equity

US\$ 360,000 Molds

+ US\$ 350,000 pre Orders

+ US\$ 150,000 logistics/marketing

**24-month
ROI expected**

Partners & Pre-Signed Clients

Novaplast
Legrand
Gamm Vert
Azurio

...



- Azurio
 - LOI for 1 M stakes/month
- Gamm Vert
 - LOI for 1 M stakes/month
- 20 % pre-sale commitment

Exit Strategy

- Licensing to sports-equipment manufacturers
- Acquisition by agri-tech conglomerate

IPO
5 years

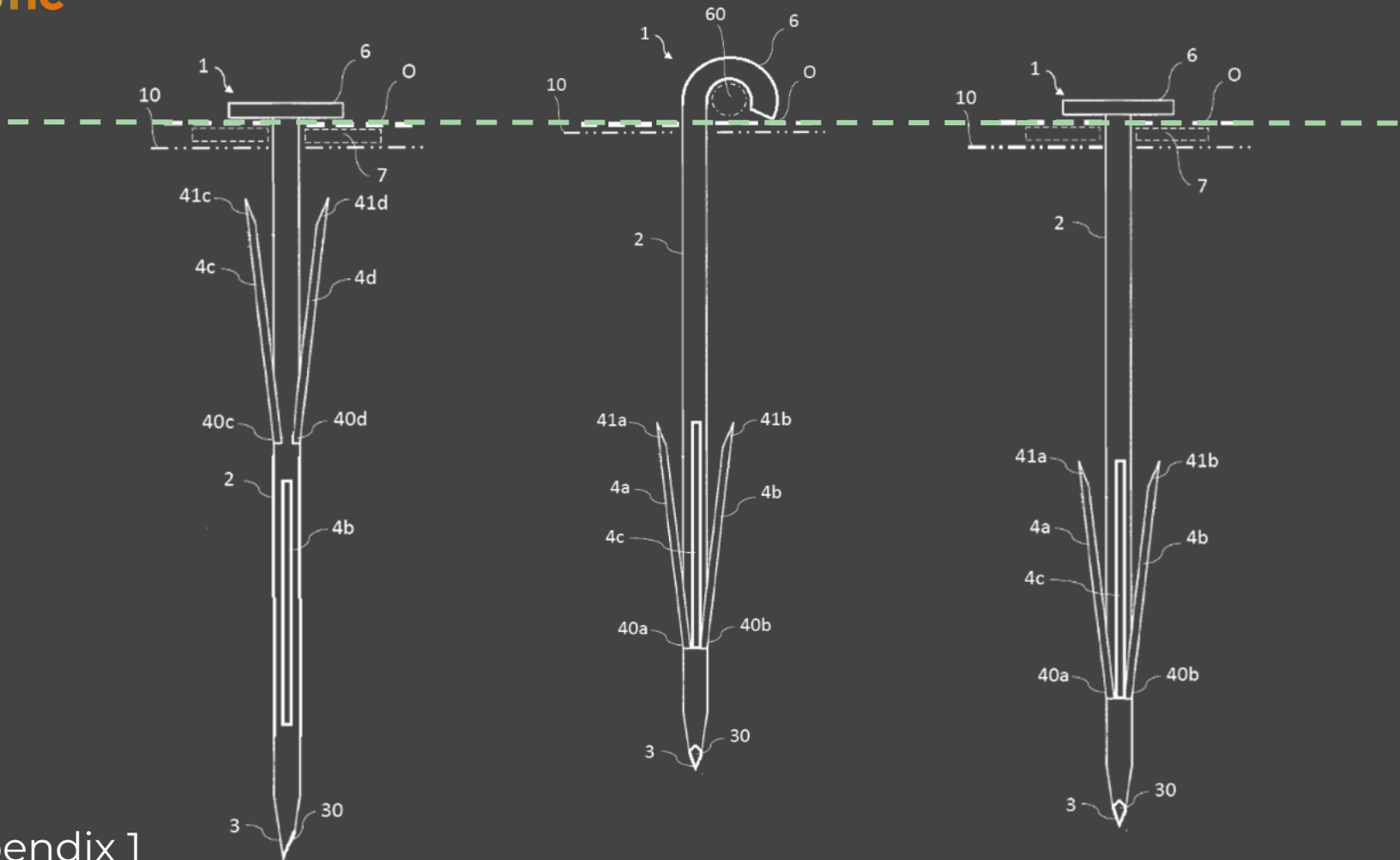
Team



- CEO – 15 yrs Agritech
- COO – Production Manager
- IP counsel

Contact

- Ali HOUCINE
- Managing Director
- ali@geostic.com
- +33 6 11 13 17 91
- Singapore HQ



**Letter of Intent – Azurio**

Subject: Letter of Intent – Order of Biodegradable simple Stakes (WO 2023/208979 A1)

Date: 27 October 2025

From: Azurio. 286 Chemin de Bassaquet, 83140 Six-Fours-les-Plages, France

Dear Sir/Madam,

We hereby issue this Letter of Intent to initiate a commercial partnership for the supply of maize-starch biodegradable simple stakes, as per international patent WO 2023/208979 A1.

Order Terms:

- Initial quantity: 1 000 000 stakes (to be delivered over 12 months)
- Monthly volume: 1 000 000 stakes
- Contract duration: 12 months (with renewal option)

Pricing:

- Unit price (ex-VAT): € 0.45
- 5 % discount on annual cash payment
- Payment terms: 30 % upon signing, balance upon delivery

Delivery:

- Stakes will be shipped to the company's address on a monthly schedule, within 30 days of order confirmation.

Technical Requirements:

- Compliance with the supplied technical brief (tensile strength, 12-month biodegradability, weather resistance).

Reference:

- International patent WO 2023/208979 A1

Please confirm your capacity to machine the required molds and to set up the production line to meet this commitment.

We look forward to your confirmation and to a successful partnership.

Yours sincerely,

Pascal B.
CEO – Azurio

**Letter of Intent – Gamm Vert**

Subject: Letter of Intent – Order of Biodegradable complex Stakes (WO 2023/208979 A1)

Date: 27 October 2025

From: Gamm Vert. 2 Boulevard des Pépinières, 34000 Montpellier, France

Dear Sir/Madam,

In order to optimise our drip-irrigation system and reduce environmental impact, we intend to purchase maize-starch biodegradable complex stakes, covering the scope of your patent WO 2023/208979 A1.

Order Terms:

- Quantity: 1 000 000 stakes (over 12 months)
- Monthly volume: 1 000 000 stakes
- Contract term: 12 months (extendable)

Pricing:

- Unit price (ex-VAT): € 0.33
- 4 % discount for early payment
- Payment: 20 % upfront, balance upon delivery

Delivery & Logistics:

- Shipment to the cooperative's central warehouse (address to be provided)
- 30-day delivery window post-advance payment receipt

Technical Specifications:

- Must meet the patent's technical brief (durability, <12 month biodegradability, water-pressure resistance).

Reference:

- International patent WO 2023/208979 A1

Kindly provide details on mold production and the production schedule to fulfil this commitment.

We await your confirmation and look forward to a fruitful collaboration.

Sincerely,

François D.
Procuring Officer – Gamm Vert