# GEOSTIC

Biodegradable Maize-Starch Stakes

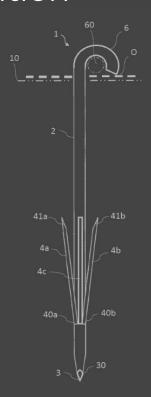


## Problem

- 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



ΙP

• 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**

## **Drip Irrigation**

(golf clubs, hotels, municipalities)

(orchards, vegetable farms)

Market size 2024 ≈

€3bn



## **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

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- 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 agri-tech
- CTO biomaterials expert
- COO production manager
- IP counsel



#### Contact

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- Singapore HQ

## GEOSTIC 0 10 10 41c\_ 40d 40c-41a\_ 41a \_ -41b 4a 40a -40a~ 30 30 Appendix 1





Date: 27 October 2025

#### Letter of Intent - Azurio

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

From: Azurio. 5 Avenue des Lilas, 78000 Versailles, 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 Al

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,

**Jean Dupont** CEO – Azurio





Date: 27 October 2025

#### **Letter of Intent – Gamm Vert**

Subject: Letter of Intent - Order of Biodegradable complex Stakes (WO 2023/208979 AT)

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 Al.

#### **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).</li>

#### Reference:

International patent WO 2023/208979 AT

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,

**Claire Martin**Managing Director – Gamm Vert