







COMPANY OVERVIEW

CircularAgro is based on sustainable agro-environmental innovation. We have two main lines of work that consist in the revaluation of waste through the design of high added value products and the decontamination of soil and water.











MISSION / VISION

Our mission is to provide solutions to agriculture and ecosystems by using waste to generate new compounds with high added value.

Our vision is a zero waste world through the circular economy. To become the technology company with the most cost-effective solution to achieve these goal.







TEAM





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- The constant growth of cities and the increase in population and consumption have a direct impact on **environmental** pollution and waste production.
- Dozens of countries have **fertilization problems** and invest an average of 40 million euros (€) per year to treat biomethanation leachate.
- The European Union has seen a big problem in this, and that is why it has approved regulation 2019/1009. A regulation framed in a circular economy strategy, where it aims to transform waste into fertilizers.







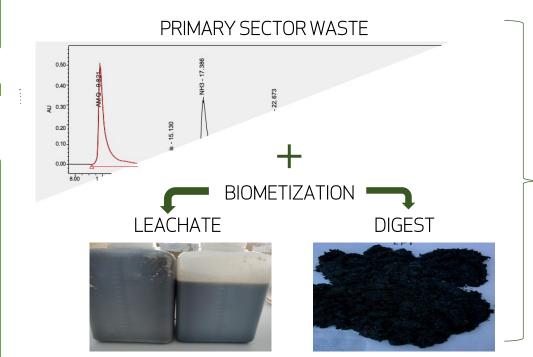




SOLUTION

Currently, biomethanization leachates are treated in order to be discharged into the public sewage system, which is a very expensive process.

CircularAgro has designed a functional biostimulant from biomethanization leachate. The biostimulant obtained is therefore sustainable and very competitively priced.



CircularAgro®

STABILIZATION TREATMENT



BIOSTIMULANT PRODUCT

Value proposal

- Savings in the cost of purification of these wastes
- Low price of the new product
- Commitment to sustainability









MARKET OPPORTUNITY

Being a patented product, the market is really big. Not only can the product be marketed within the country through different channels, but it is a product capable of being marketed throughout the Middle East.



Market growth in Europe Is estimated to be driven by the high focus of the region on sustainability in their food production practices and shifting food product demands in the region.





3.2 USD BILLION 2021-e



USD BILLION 2026-p

CAGR of 12.1%

The global biostimulants market is projected to account for USD 5.6 billion by 2026, growing at a CAGR of 12.1% during the forecast period.



Growth of this market is attributed to the increasing impact of climate change, soil degradation and abiotic stress to global crops production.



Major food industry pioneers are investing in and introducing newer biostimulant formulations using natural and biological ingredients.



Expansions & investments and new product launches would offer lucrative opportunities for market players in the next five years.



Market growth in Asia Pacific is attributed to the increasing organic farming operations pertaining to the overuse of synthetic agrichemicals in the past for farming..

Public Administration

• Use of the product in parks and gardens promoting the Smart city concept (self-sufficient city).

Garden Centers

• As product distribution centers.

Individuals

• Through direct sales by web page.







PRODUCT



PRODUCT COST

Concentrate

5.6€ / L 22.4 QAR / L

Cost of use (dilution 1/200)

0.03€ / L 0.12 QAR / L

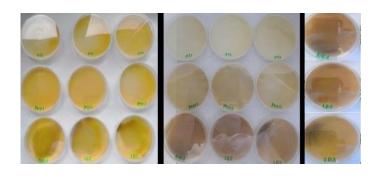
Parameter	Value
pH	3,54
C.E. (dS/cm)	7,2
Density (g/mL)	0,86
M.O. (%)	$2,08 \pm 0,04$
C (%)	$1,21 \pm 0,03$
NTK (%)	$0,507 \pm 0,006$
N (NH ₄ ⁺) (%)	$0,333 \pm 0,006$
NO3 (%)	$0,025 \pm 0,004$
P (mg/L)	524 ± 8
K (mg/L)	2110 ± 48
Ca (mg/L)	108 ± 3
Mg (mg/L)	$31,0 \pm 0,3$
Fe (mg/L)	9.0 ± 0.5
Mn (mg/L)	$1,31 \pm 0,02$
B (mg/L)	0.94 ± 0.07
Mo (mg/L)	$0,1885 \pm 0,0007$

Complying with EU legislation

PRODUCT	Biostimulants Regulation (EU) 2019/1009 (mg/kg dry matter)
0,002 ± 0,003	1.5
$0,207 \pm 0,001$	600
$0,529 \pm 0,009$	50
$0,0266 \pm 0,0008$	120
0.9 ± 0.3	1500
$0,003 \pm 0,001$	1
$0,051 \pm 0,002$	2
$0,139 \pm 0,004$	40

Cd Cu Ni Pb Zn Hg

Cr As











CUSTOMERS

As clients we would have public administrations in charge of gardens and parks, farmers and companies dedicated to biomethanization or holding companies that have green extensions. With a 12% annual growth of the biostimulants market, the demand for these products is high. The number of biomethanization plants is also increasing since this technique allows energy production (biogas) from wastes.

PUBLIC ADMINISTRATIONS









TECHNOLOGY

Our technology is scalable and maintains the principles of green chemistry. This makes it possible to sell both the product obtained and the plant to produce it in the biomethanization plants themselves.









COMPETITION

Key players in this market include competitors such as BASF SE (Germany), UPL (India), Valagro S.p.A (Italy), Gowan Group (US), and FMC Corporation (US). The biostimulants market is highly competitive whit the leading companies working hard in order to maintain their market positions while there are many local and domestic companies arising in every region. The strong manufacturing countries such as China and India show a high rise in the development of new companies in the market which strongly are emerging as ey exporters.











TRACTION

Tests and laboratory analysis have been a **resounding success**. The **formula** is **ready** to be implemented and to start commercialization of the product.

Foliar and root biostimulant effect on the plant.

Waste and Biomass Valorization https://doi.org/10.1007/s12649-020-01137-8

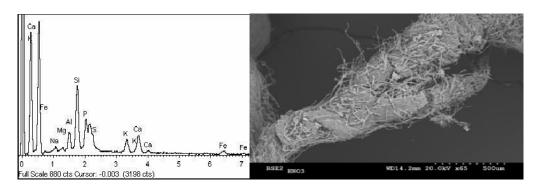
ORIGINAL PAPER



New Uses of Treated Urban Waste Digestates on Stimulation of Hydroponically Grown Tomato (Solanum lycopersicon L.)

R. Antón-Herrero¹ · C. García-Delgado^{2,3} · M. Alonso-Izquierdo¹ · J. Cuevas³ · N. Carreras⁴ · B. Mayans¹ · R. Camacho-Arévalo¹ · E. Eymar¹

Received: 8 August 2019 / Accepted: 29 June 2020 © Springer Nature B.V. 2020



Customer willingness to buy





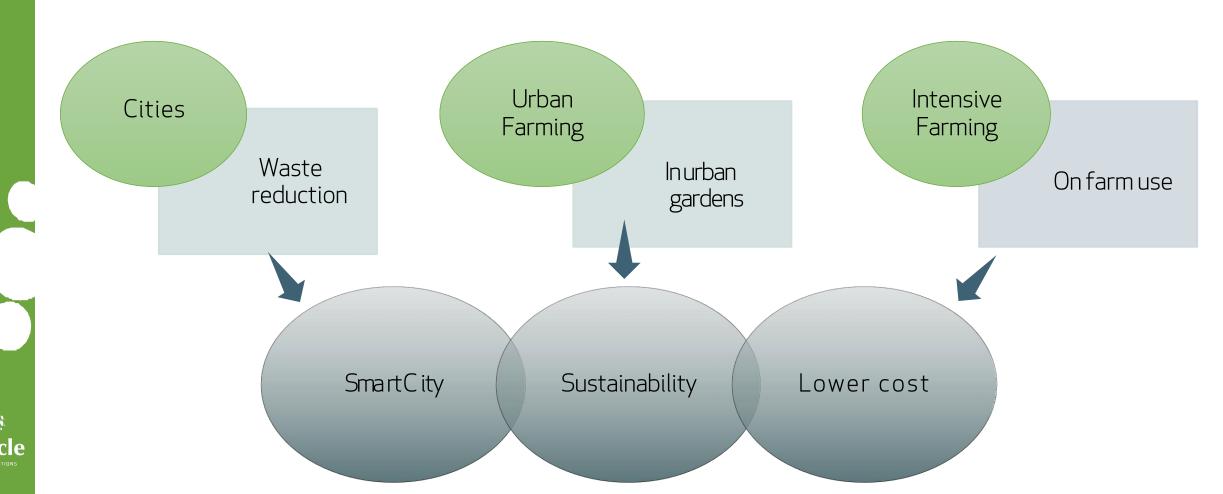






GROWTH STRATEGY











MARKETING PLAN

Two marketing strategies are proposed, one focused on farmers with the value proposition of product sustainability and the other for companies with the value proposition of saving on the management of biomethanization waste. Not only would they not have to treat them in order to discharge them into the public sewage system, but they would also make a profit by being able to sell the biostimulant generated.





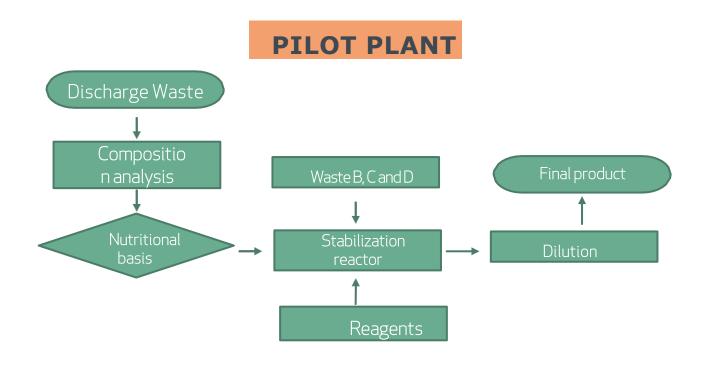




FINANCIALS

The estimated costs to start a pilot plant are €60.000 or QAR 240.000 , with a potential revenue of €2-4 million or QAR 8-16 million per year, assuming an average sale price of €4/L or QAR 16/L of biostimulant.













INVESTMENT

TOTAL INITIAL INVESTMENT: 340.000€ or QAR 1.360.000

PERCENTAGE: 33%

SETTING UP: 6 months

The feasibility study within the Qatari market will be presented if the investor requires it and shows interest in making such investment.

