Moolec™ SCIENCE IN FOOD INGREDIENTS

# Institutional Deck

June 2025

CONFIDENTIAL

NASDAQ:MLEC

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The information presented herein includes forward-looking statements, projections, and estimates based on Moolec's internal analysis, management estimates, and publicly disclosed information within the industry. These estimates and projections are subject to various risks and uncertainties that could cause actual results to differ materially from those anticipated. Moolec assumes no obligation to update any forward-looking statements or projections, whether as a result of new information, future events, or otherwise. The data presented is for informational purposes only and should not be relied upon as definitive or all-encompassing.

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# The Summary

Moolec Science
in a nutshell:
our company
described in
a sentence.

Moolec™ is a science-based ingredient company that engineers animal proteins in food crops through Molecular Farming technology.

# The Problem

**Livestock production is widely considered to be unsustainable and unstable with increasing costs and risks.[1]**

## 1. $CO_2$ Emissions

~20% of world's GHG emissions come from livestock, land use and crops destined for feed.

## 2. Water Consumption

15,400 liters of water are used to produce 1kg of meat.
~10% of the global water supply is destined for livestock production.

## 3. Antibiotics & Hormones

66% of antibiotics are used in farm animals to prevent diseases.
Estrogens or androgens are often administered intended to promote growth.

## 4. Food Insecurity

Mainly caused by global conflicts, environmental degradation, and non derisking management of supply chains.

## 5. Pests and Diseases

Present risk in confined animals such as the African Swine Pig Flu and the Avian Influenza.

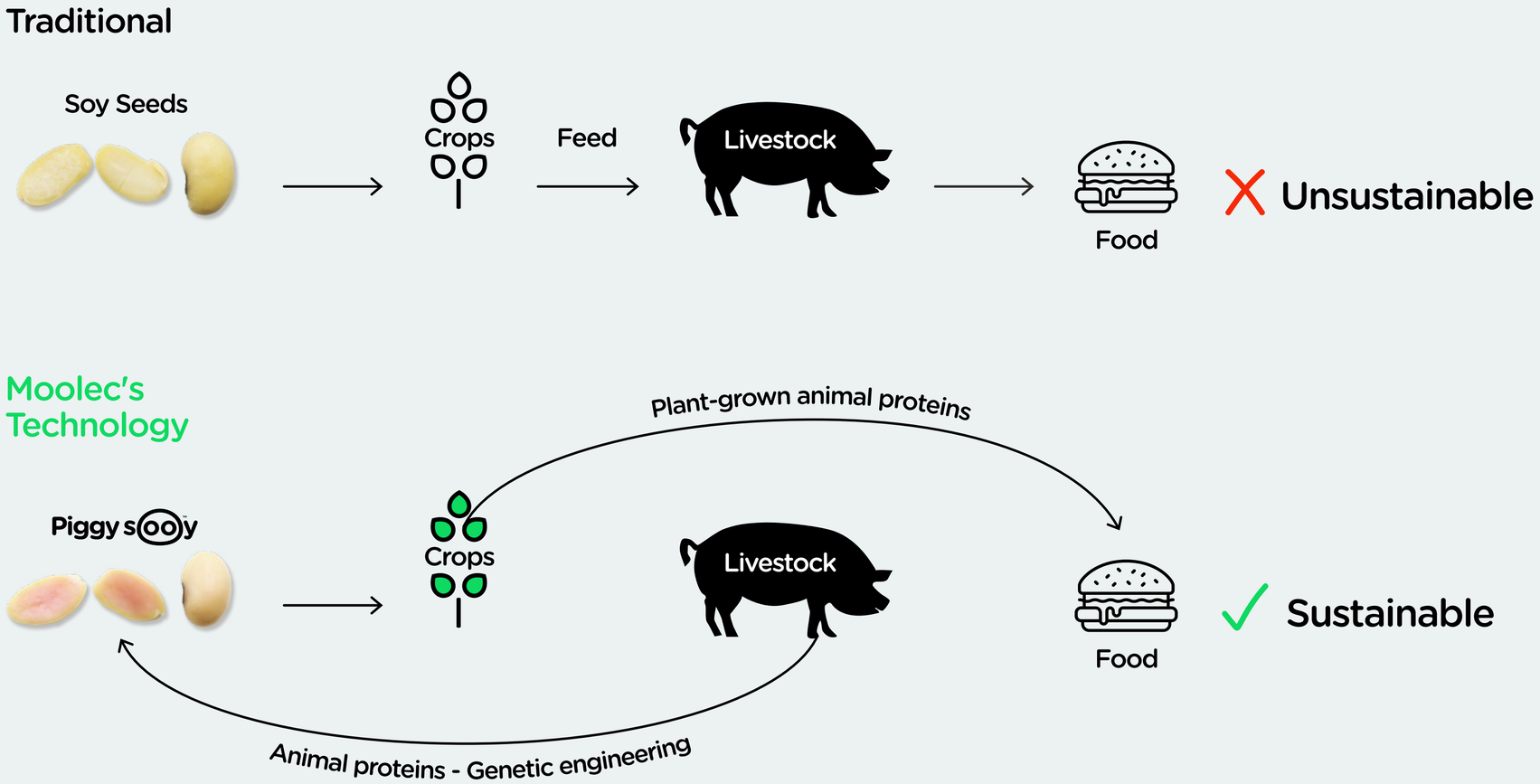


1 Sources:

- https://ourworldindata.org/food-ghg-emissions
- https://www.thecattlesite.com/news/49594/how-much-water-does-it-take-to-produce-meat/
- https://pubmed.ncbi.nlm.nih.gov/21309458/
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7766021/pdf/antibiotics-09-00918.pdf
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9142037/
- https://extension.sdstate.edu/hormones-beef-myths-vs-factshttps://www.feedingamerica.org/
- https://gro-intelligence.com/insights/how-african-swine-fever-in-china-is-shaking-up-world-trade-flows

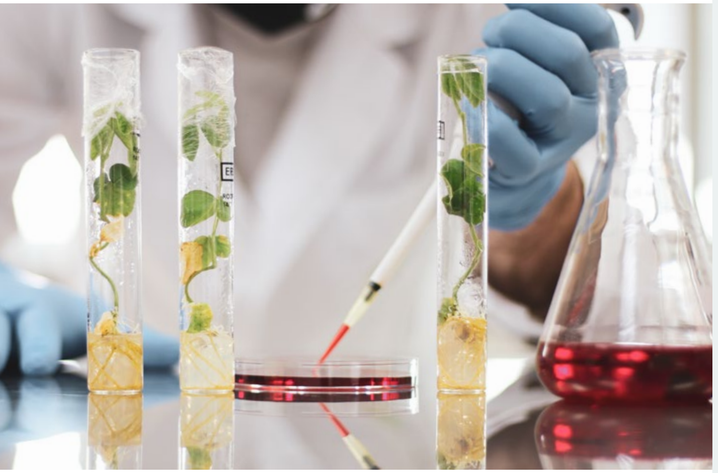
# The Solution

Moolec genetically engineers soybeans with pig proteins to tweak the meat value chain.



# The Technology

Moolec can replicate the same protein DNA from animals in plants by using science.



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## Standard Soy

Soy proteins only

## Piggy sooy™

Soy proteins + Pig proteins

### ✓ High Yields Achieved

~25% of targeted molecule over total soluble proteins.[1]

### ✓ Less Water & Carbon Footprint[2]

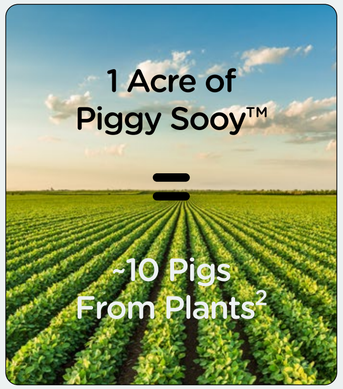
One acre of Piggy Sooy™ could potentially save ~60,000 litres of water and ~550kg $CO_2$eq emissions.

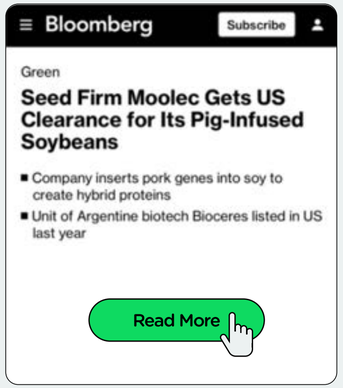
### ✓ USDA Regulatory Approved

First company in history to achieve USDA-APHIS approval for plant-grown animal proteins.

### ✓ Patented Technology

Method of high level of expression in plants protected (Patent pending)



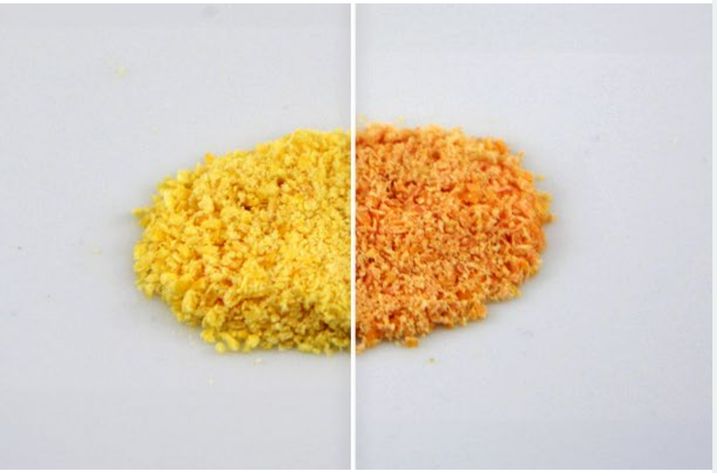




1 Total pig protein content per seed varies based on the obtained total soluble protein (TSP) parameter.
2 One acre of traditional soybeans can feed ~10 pigs. Sources:

- https://www.unitedsoybean.org/hopper/driving-demand-from-the-field-to-the-feed-trough/#:~:text=Hogs%20consumed%2018%25%20of%20U.S.,hogs%20farmers%20or%20animal%20nutritionists
- https://fas.usda.gov/data/production/commodity/0813100
- https://meatthefacts.eu/home/activity/campaign-updates/how-much-water-for-1-kg-of-meat/
- https://pubmed.ncbi.nlm.nih.gov/38231615/#:~:text=The%20carbon%20footprint%20of%20the,4.52%20kg%20CO2e
- https://lpelc.org/what-greenhouse-gases-are-emitted-by-pig-farms/#:~:text=The%20two%20areas%20where%20the,and%20poultry%20in%20the%20U.S

# The Product

Moolec develops clean label ingredients to replace more meat and expensive additives.



## How Industry Works

**Flavor Houses**
Producing
Functional Ingredients

**Agribusiness Companies**
Processing Soybeans

Feed → Livestock

Ingredients

- Meat Flavorings (High Cost)
- Red Coloring (High Cost)
- Meat & Fats as Raw Material
- Soy Proteins as Meat Extender (Filler)

**Food Producers**
of Sausages, Burgers, Nuggets, Dumplings, etc.

## What Moolec Can Offer

Moolec™ → Meat Replacement


- Same **Iron, Flavor & Color as Meat**[1]
- Less **Carbon & Water Footprint than Livestock**[2]

**Food Producers**
of Sausages, Burgers, Nuggets, Dumplings, etc.

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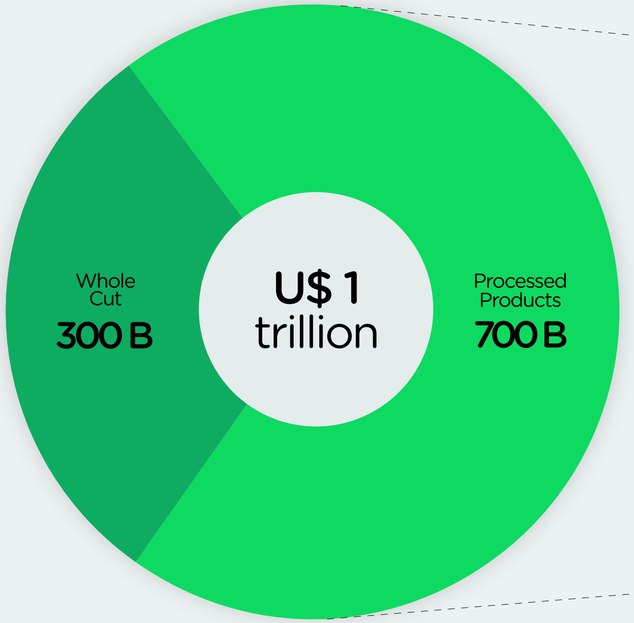
1 Moolec's internal analysis based on publicly disclosed information for the industry and management estimates
2 Moolec's technology is more friendly to the environment when compared to traditional protein production systems using ~35x less land, generating ~8x less water footprint and ~60x less $CO_2$ emissions. Sources:

- https://ourworldindata.org/agricultural-land-by-global-diets
- https://waterfootprint.org/en/water-footprint/product-water-footprint/water-footprint-crop-and-animal-products/
- https://ourworldindata.org/food-choice-vs-eating-local

# The Market

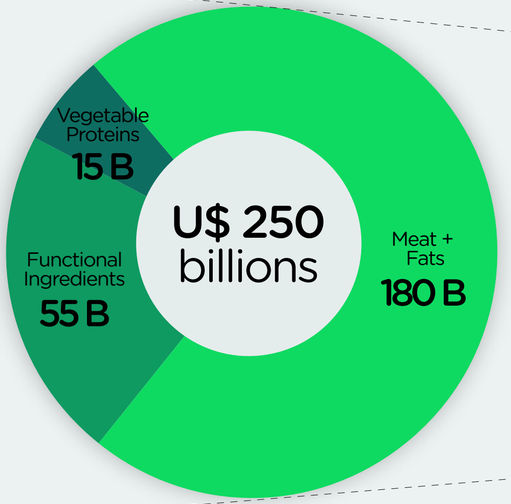
**Moolec tackles the processed meat ingredient market of commodities and specialities.[1]**

## Global Meat Industry-Retail
(B2C)




**TAM**
(Total Addressable Market)

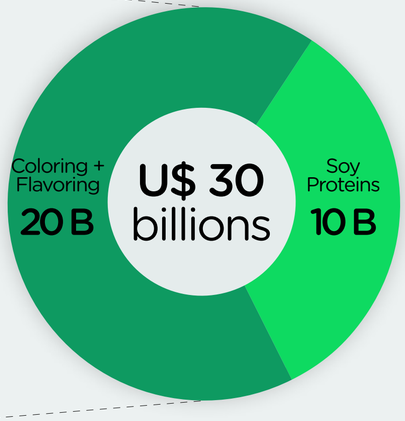
## Global Processed Meat Products Ingredients
(B2B)




**CAGR ~7%**
(2023)

**SAM**
(Serviceable Addressable Market)

## Target Countries and Applications
(B2B Ingredients)




**SOM**
(Serviceable Obtainable Market)

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1 Sources:
- https://www.imarcgroup.com/processed-meat-market
- Moolec's internal analysis based on publicly disclosed information for the industry mainly the GFI State of Industry Report 2021 (March 2022)
- Moolec's internal analysis based on Global Gamma Linolenic Acid Market - Market size, status and forecast to 2028 - Verified Market Research
- Moolec's internal analysis based on Global Rennet Market 2022-2027 - Mordor Intelligence
- Moolec's internal analysis based on Iron Supplements Market, Growth, Future Prospects and Competitive Landscape 2017-2030 - Credence Research
- Moolec's internal analysis based on Non-meat ingredients market - Global forecast to 2027 - Markets & Markets
- Moolec's internal analysis based on Plant-based protein market - Global forecast to 2025 - Markets & Markets
- Moolec's internal analysis based on publicly disclosed information for the industry and management estimates

# The Business Model

Moolec uses current supply chain and industry practices to produce and sell its unique ingredients.

## B2B
### Ingredients

Moolec™

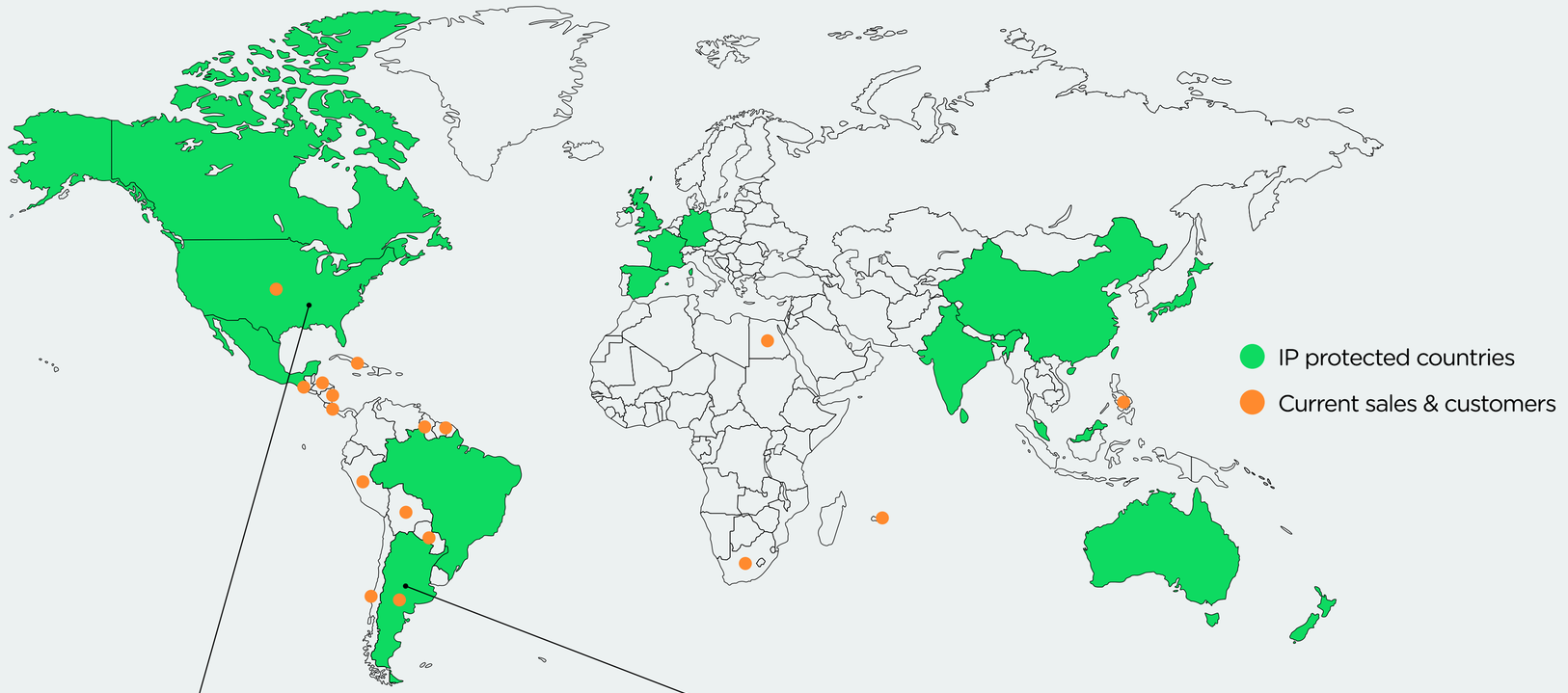
**Identity Preservation Program**
full control of traceability

**Modified Seeds** (Patented) → **Growers** (Contracted) → **Processing & Packaging** (Self-owned and Contracted Toll Services) → Sales → **Processed Meat Companies** → Sales → **Retail/ Food Service** → Sales → **Consumer**

Licesing → **Agribusiness & Ingredients Companies** → Sales (revenue sharing) → **Processed Meat Companies**

# The Capabilities

Moolec operates in the United States & Argentina, commercializes and protects its IP worldwide.


## Operational Hub, Crop Science, Production & Cultivation

Idaho, Iowa, Missouri -St. Louis-, Ohio, Texas & Wisconsin (US)


## Back Office, Production & Cultivation

Buenos Aires, Córdoba & Rosario (ARG)


## +25 Patents

PATENTED
PATENT PENDING

# The St. Louis Hub

**Moolec opened its first full operational U.S. Hub at CIC located in St. Louis, Missouri.**


## Why St. Louis as Operational Hub?

- **Strategic location:** At the heart of the U.S. agri region, it has direct access to key players in the agri-biotech sector.
- **Robust Agri-biotech ecosystem:** Home to world-class agri-tech companies, research institutions, and biotech incubators that align with Moolec's trait development and breeding programs.
- **Industry leverage:** Proximity to leading agricultural and biotechnology firms for stronger collaboration, knowledge sharing, and technology transfer opportunities.
- **Industry connections:** Direct access to key associations that strengthens Moolec's positioning in regulatory and industry advocacy efforts.

39°N CIC INNOVATION CAMPUS

# The Team

Moolec is led by a diverse team of Ph.Ds and food insiders from all over the world.

**Amit Dhingra, Ph.D**
Chief Science Officer

**30+ years** in genomics and plant biotechnology. Prof. and Head, Department of Horticultural Sciences, Texas A&M University

**Martín Salinas, Ph.D**
CTO & Co-Founder

**20+ years** in Ag-biotech space leading the world's first industrial production of animal protein in plants for the food industry

**Henk Hoogenkamp, Ph.D**
CPO & Co-Founder

**20+ years** in food and bio-materials applications with special focus on animal and plant-based proteins

**José López Lecube, MBA**
CFO

**20+ years** in strategic roles for multinational companies in agribusiness and tech with expertise in finance, strategy, and partnerships

**Catalina Jones, B.A.**
Chief of Staff & Sustainability

**20+ years** in communications and sustainability strategy for financial, agribusiness, packaging and food industry

**David Heron, Ph.D**
Global Regulatory Affairs Advisor

**40+ years** in the biotechnology regulatory program of USDA-APHIS focused on policy development and agricultural capacity building

# The Product Pipeline

Moolec builds its revenue streams with progressive stages based on added value, technology and market demands.


| PRODUCT | DISCOVERY | TRANSFORMATION | DEVELOPMENT | SELECTION | SCALE-UP | DOWNSTREAM | COMMERCIALIZATION | ADDRESSABLE MARKET | REGULATORY APPROVALS |
|---|---|---|---|---|---|---|---|---|---|
| **TSP Valorasoy™** (Textured Soy Proteins) | | | | | | | PRESENT | U$ 1 B | ✓ |
| **GLASO™** (Nutritional Oil/GLA) | | | | | | | PRESENT | U$ 1,5 B | ✓ |
| **Piggy Sooy™** (Soy + Meat Proteins) | | | | | | | FY27 | U$ 30 B | |
| **PEEA1** (Pea + Meat Proteins) | | | | | | | FY28 | U$ 22 B | |

**Other Science-based Projects** → **SPC2** (Chymosin in Safflower) | **YEAA1** (Iron Supplement)

# The Key Milestones

Moolec has been delivering unpreceded milestones focusing on results and commitment to value creation and purpose.

**TSP Valorasoy™** Commercialization


**GLASO™** USDA Approval

**Piggy Sooy™** USDA Approval


**R&D Agreement** Safflower Development


**Piggy Sooy™** Field Trials

**Piggy Sooy™** US Patent Granting

**Piggy Sooy™** Off Take Agreements

**Piggy Sooy™** High level of Expression


**Strategic Investors** Capital Raise


**GLASO™** Commercial Contracts

**PEEA1** USDA Approval

**Piggy Sooy™** Sampling Customers

**Piggy Sooy™** FDA Approval

# The Identity Preservation Program

IPP ensures the complete segregation and traceability of Moolec's GM crops, maintaining their integrity from seed to product.

This Program is critical for:

| Regulatory Compliance | Quality Assurance | Stakeholders' Expectations |
|---|---|---|

| | |
|---|---|
| 1. Supervision and Traceability | End-to-End monitoring<br>Digital documentation<br>Chain of custody |
| 2. Stewardship & Environmental Responsability (excellence through STEWARDSHIP) | Closed-loop procedures<br>Chain of custody<br>Sustainable practices |
| 3. Contracts and Compliance | Service contracts with IP protocols<br>Facility inspections |
| 4. Quality Control and Testing | Seed quality analysis<br>Continuous monitoring<br>Detection methods |
| 5. Stages | 1. Seed Multiplication<br>2. Seed Processing<br>3. Grain Processing |
| 6. Communication and Control | Clear communication<br>Strict protocols<br>Transparency |

# The Numbers

**Moolec promotes controlled expenses and efficient cash utilization while delivering sustained company growth.**

| In millions of U$S | FY2023 (Full Year) | FY2024 (Full Year) |
|---|---|---|
| **Revenue & Other Income** | **0.91** | **6.12** |
| Cost of Sales | (1.05) | (5.15) |
| R&D Expenses | (1.35) | (1.77) |
| Marketing Expenses | (0.26) | (0.64) |
| Admin Expenses | (4.81) | (7.52) |
| Other | (0.09) | (0.07) |
| **Loss from ops.** | **(6.65)** | **(9.03)** |
| **Common Shares[1] (in # MM)** | 3.45 | 3.79 |
| **Cash flow operations** | **(7.51)** | **(9.33)** |

**Revenue & COGS**

- Revenues increase overtime delivering commercial footprint in 14 different countries
- Current client base supports molecular farming products adoption

**R&D, Admin & Other expenses**

- R&D expenses increase slightly with constant delivery of scientific, regulatory and product dev milestones
- Admin expenses increase gradually while supporting adequate structure for company building

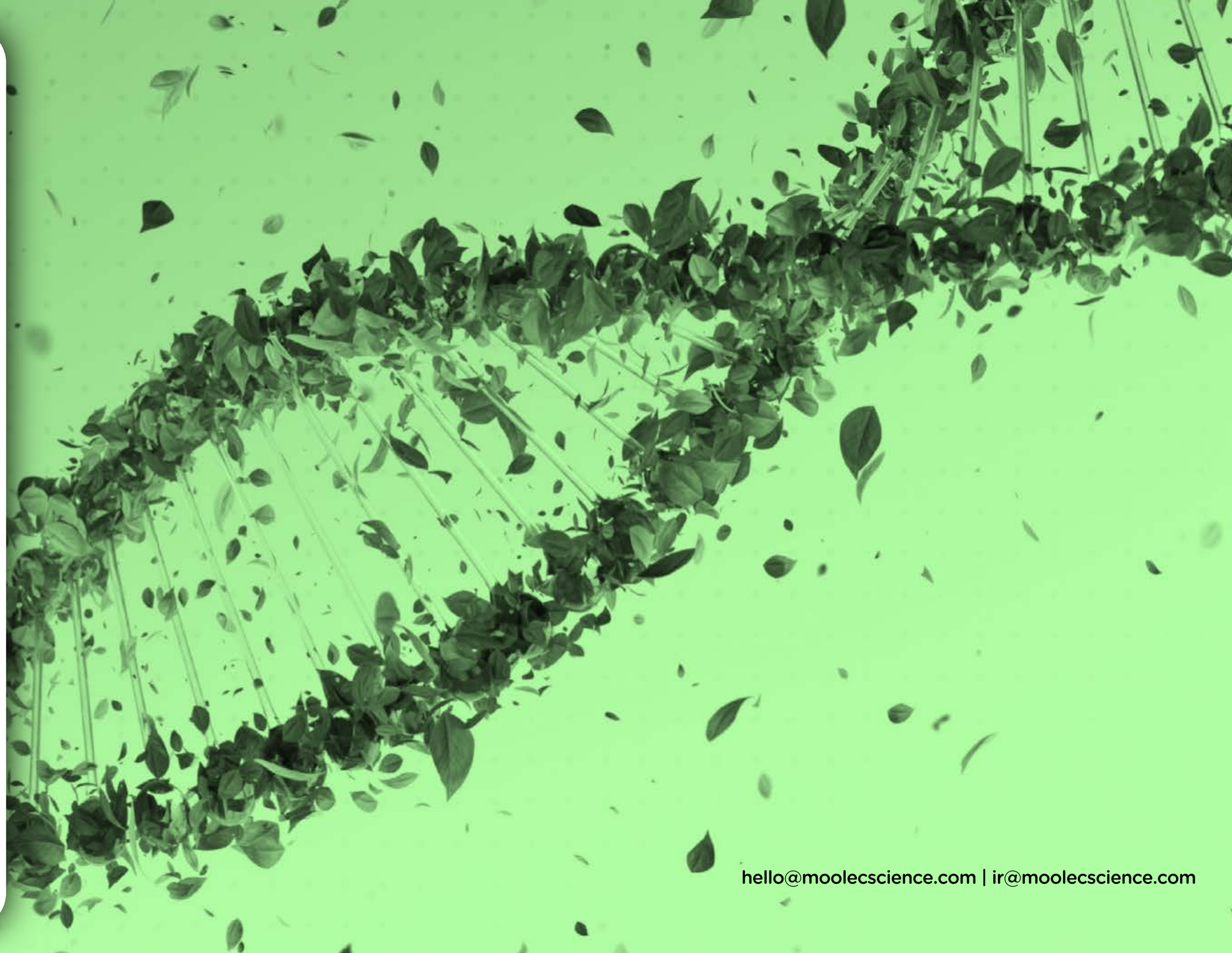
**Cash utilization**

- Low operational cash burn remains in line with historical track record after listing
- FY'23 and FY'24 burn includes non recurring payments associated to transaction expenses for the listing of the Company

1 Weighted average number of shares (Accounts for Reverse Stock Split executed on May 14, 2025).

Moolec™ SCIENCE IN FOOD INGREDIENTS

# Let's redefine the way we produce animal proteins for the good of the planet.



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