

EMERGING TECH RESEARCH

Agtech Report

VC trends and emerging opportunities



REPORT PREVIEW

The full report is available through the PitchBook Platform.





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Institutional Research Group

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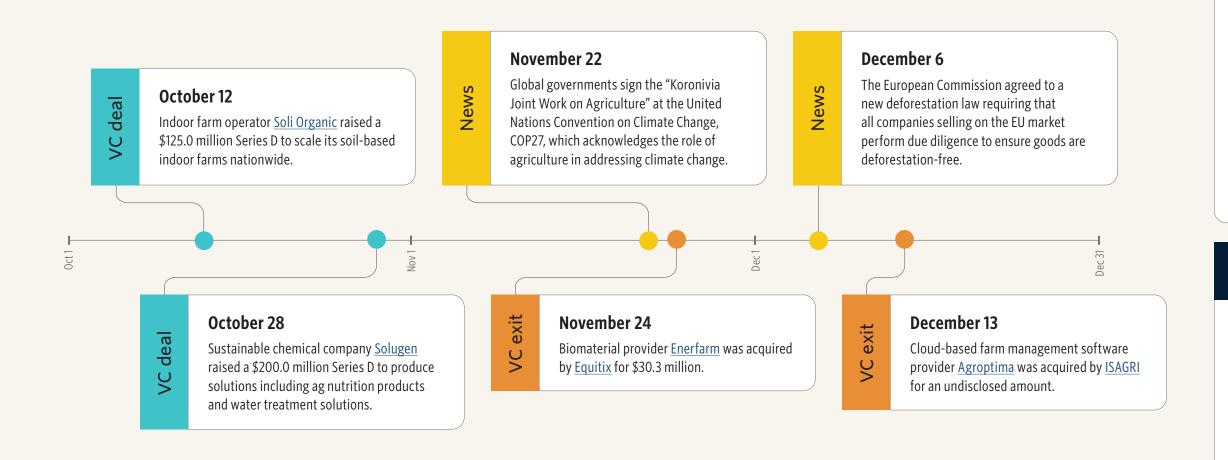
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Q4 2022 timeline



Q4 VC activity

188

total deals

-6.9%

QoQ growth

\$1.8B

total VC raised

-34.1%

QoQ growth

2022 annual summary

988

total deals

-10.2%

YoY growth

\$10.6B

total VC raised

-13.2%

YoY growth



Agtech landscape

- 1 Ag biotech
- 2 Agrifinance and e-commerce
- 3 Indoor farming
- 4 Animal ag
- **5** Precision ag

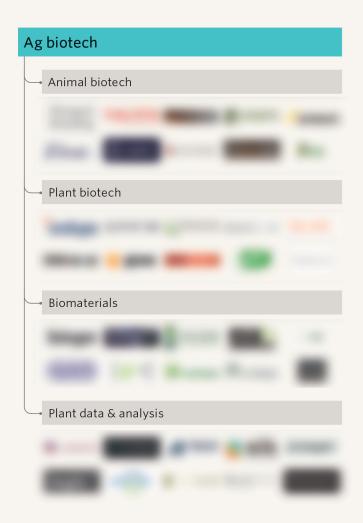




Agtech VC ecosystem market map

Click to view the interactive market map on the PitchBook Platform.

Market map is a representative overview of venture-backed or growth-stage providers in each segment. Companies listed have received venture capital or other notable private investments.







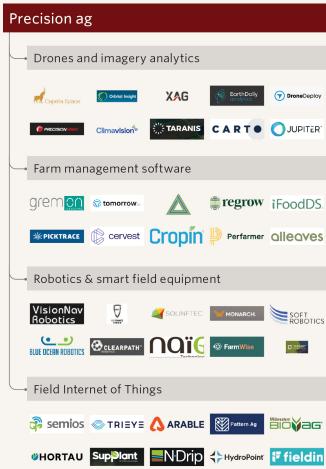


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VC activity

The agtech industry ended Q4 on a down note with \$1.8 billion raised across 188 deals, down 34.1% and 6.9% QoQ, respectively. While agtech fared better than most other verticals through the first three quarters of 2022 despite market volatility, the funding environment appears to have shifted in Q4, with quarterly deal values reaching the lowest levels since Q2 2020. Top deals include indoor farm operator <u>Soli Organic</u>'s \$125.0 million Series D and plant biotech startup Inari's \$124.0 million Series E.

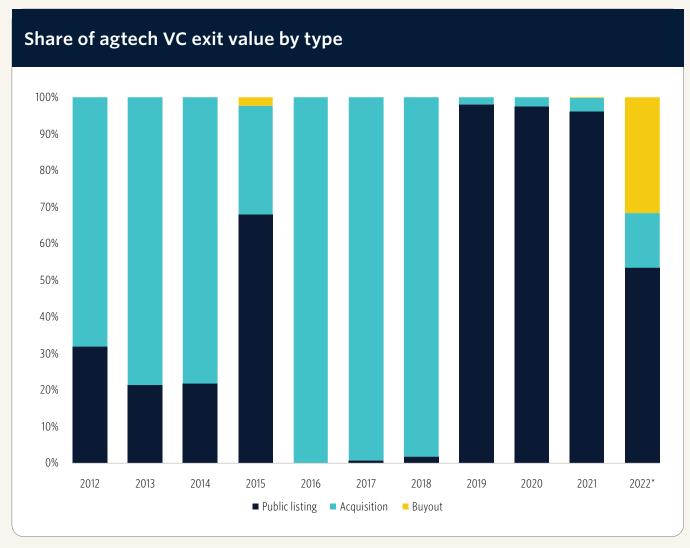
Despite funding deceleration, 2022 proved to be the second-strongest year on record. We logged \$10.6 billion across 988 deals, down 13.2% and 10.2% YoY, respectively. Climate change, extreme weather, labor shortages, and geopolitical conflict have become familiar themes constraining global yields. Agtech offers solutions and attractive investment opportunities to address or adapt to these challenges.

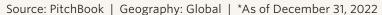
The 2022 median pre-money valuation was \$15.3 million, an increase of 7.8% YoY. However, median pre-money valuations declined at every VC stage except for the angel and seed stages, where valuations rose 24.8% YoY. Volatile public markets and the closed IPO window impacted valuations. Due to the distance from the public markets, angel- and seed-stage companies may have been insulated from these ripple effects. The story was largely the same for median deal sizes. The 2022 median deal size was \$3.3 million, up 19.3% YoY. Median deal sizes were up 28.2% at the late stage and up 49.8% at the angel and seed stages. These increases may be attributed to investors shifting to a strategy of concentrating investment activity in fewer, yet larger deals deemed lower-risk.

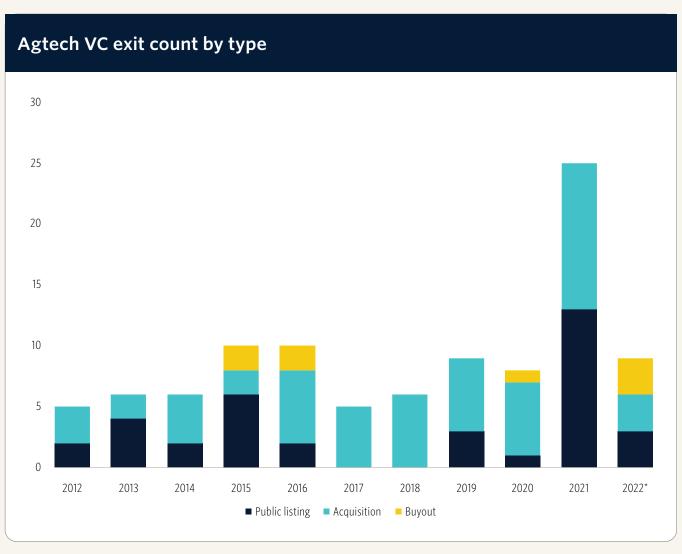
Exits fell significantly from 2021 levels. We logged \$2.2 billion exited across 38 deals, down 93.0% and 37.7% YoY, respectively. The decline can be directly attributed to a closed IPO window and rising interest rates, which limited M&A opportunities. Notable Q4 exits include Equitix's acquisition of biomaterial provider Enerfarm for \$30.3 million and ISAGRI's acquisition of cloud-based farm management software provider Agroptima for an undisclosed amount. Exits will likely remain muted in the medium term until interest rates decline and the IPO window reopens.



VC ACTIVITY





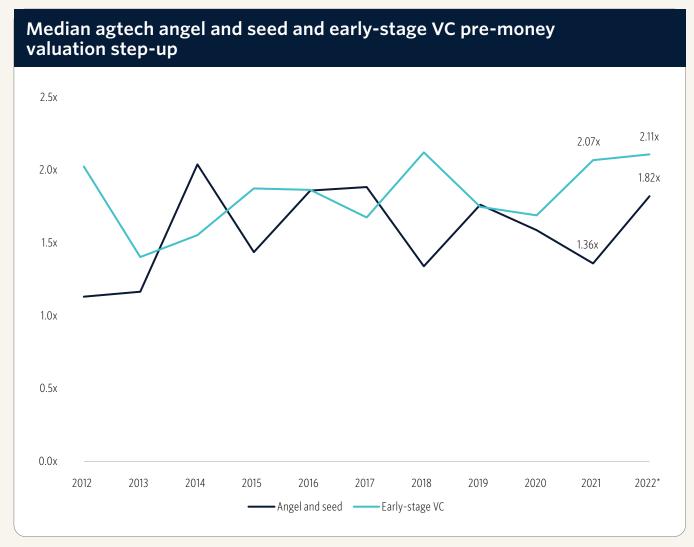


Source: PitchBook | Geography: Global | *As of December 31, 2022

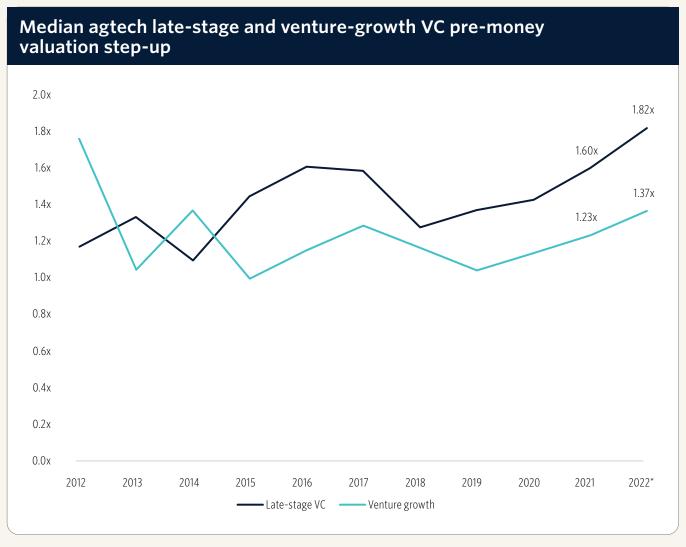
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VC ACTIVITY







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SELECT COMPANY HIGHLIGHTS



Founded **2011**

360+ employeesBased in
Evry, France

Total raised: \$420.8M over six deals

First institutional round: \$2.5M in a Series A round (March 2014) Last financing: Raised \$12.0M in a Latestage VC round

Overview

Ynsect is an insect farming company producing protein and fertilizer products from mealworms. Protein products have both agricultural and human use cases including aquaculture fish feed, pet nutrition, and pig and poultry feed. On the human side, Ynsect protein is used as a textured protein for "alt-protein" products, a sports nutrition powder, and a food additive. The company operates three sites across France, the Netherlands, and the US, and is in the process of building a fourth facility in France. It recently announced the construction of two additional facilities in the US and Mexico. The company partnered with Ardent Mills, a top wheat producer in the US. The partnership could entail building the US facility adjacent to an Ardent Mills plant to easily access and capitalize on a key benefit of insect farming—the ability to upcycle food waste for insect feed.

Leadership

<u>Ynsect</u> was cofounded by CEO and Charmain Antoine Hubert, Chief Impact and HSEQ Officer Jean-Gabriel Levon, Director of Data Fabrice Berro, and Alexis Angot. Hubert brings a background in agronomy engineering and has worked in environmental risk assessment, biomass, and plastics recycling. Levon has a background in industrial project consulting, and Berro brings experience in informatics and applied mathematics.

About PitchBook Emerging Tech Research

Independent, objective and timely market intel

As the private markets continue to grow in complexity and competition, it's essential for investors to understand the industries, sectors and companies driving the asset class.

Our Emerging Tech Research provides detailed analysis of nascent tech sectors so you can better navigate the changing markets you operate in—and pursue new opportunities with confidence.

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