

# **Decentralized Farming Networks Market Forecasts to 2034 – Global Analysis By Network Type (Community Supported Agriculture, Urban Farming Collectives, Blockchain-Based Agri DAOs, Farmer Cooperative Platforms and P2P Food Networks), Farm Size, Crop Focus, Revenue Model, Application, End User and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Decentralized Farming Networks Market is accounted for \$1.8 billion in 2026 and is expected to reach \$3.6 billion by 2034 growing at a CAGR of 9.0% during the forecast period. Decentralized farming networks refer to community supported agriculture platforms, urban farming collectives, blockchain-based agricultural decentralized autonomous organizations, farmer cooperative digital platforms, and peer-to-peer food networks that connect distributed food producers directly with consumers, investors, and co-farmers through technology-enabled community coordination eliminating traditional agricultural intermediaries, enabling micro farm, smallholder farm, urban rooftop, and vertical farm participants to access transparent market pricing, shared resource pools, and collective investment mechanisms for sustainable local food system development.

### **Market Dynamics:**

#### **Driver:**

Local Food System Consumer Demand Growth

Rapidly growing consumer preference for locally sourced, transparent provenance food

products with verified production practice knowledge is driving subscription community-supported agriculture program adoption and peer-to-peer local food network engagement that creates commercial market foundation for decentralized farming network platforms. Urban consumer willingness to pay premium prices for verified local producer direct relationships, combined with growing food system transparency consciousness from supply chain vulnerability awareness, is expanding the addressable commercial market for decentralized farming network platforms beyond early adopter natural food communities toward mainstream health-conscious consumer demographics.

**Restraint:****Fragmented Local Market Scale Economics**

Decentralized farming network business model challenges from geographically fragmented local food market scale limitations, creating unit economics constraints where individual community network node revenue cannot sustain the platform technology investment, logistics coordination, and customer service programs required for commercially viable decentralized food network operation at scale, generating high platform development cost relative to addressable revenue per geographic market and constraining investor return realization timelines.

**Opportunity:****Blockchain Tokenized Agricultural Investment**

Blockchain-based agricultural decentralized autonomous organization development, enabling fractional investment in farming operations through tokenized agricultural asset ownership, represents an emerging capital access innovation for small and micro farmers who lack conventional financing access. Tokenized farm investment platforms enable urban consumer investment in local farming operations. They also purchase from creates a virtuous community economic cycle that simultaneously addresses farmer capital access and consumer local food engagement through aligned financial incentive design.

**Threat:****Food Safety Regulatory Compliance Complexity**

Decentralized farming network peer-to-peer direct food sales regulatory compliance complexity from food safety licensing, traceability documentation, and labeling requirements that vary across jurisdictions, creating compliance burden for micro and small farm participants in decentralized network platforms who may lack food safety management expertise and regulatory navigation capability, generating platform liability exposure and compliance barrier that constrains accessible participation in regulated food commerce through decentralized network channels.

### **Covid-19 Impact:**

COVID-19 supply chain disruptions, creating conventional grocery access uncertainty, dramatically accelerated community-supported agriculture subscription growth and local food network adoption as consumers sought resilient local food supply alternatives. Post-pandemic local food value system adoption among consumers who discovered local producer relationships during pandemic disruption continues to sustain decentralized farming network market growth above the pre-pandemic trajectory.

The P2P food networks segment is expected to be the largest during the forecast period

The P2P food networks segment is expected to account for the largest market share during the forecast period, due to the largest addressable consumer participation scale from peer-to-peer food marketplace platforms, enabling individual producer-to-consumer direct transactions without formal cooperative or DAO membership requirements, generating the broadest market participation from both producer and consumer sides that collectively creates the highest total transaction volume within the decentralized farming network commercial landscape.

The micro farms

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