

# **Blockchain in Agriculture and Food Supply Chain Market by Application (Product Traceability, Payment and Settlement, Smart Contracts, and Governance, Risk and Compliance Management), Provider, Organization Size, and Region - Global Forecast to 2025**

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## **Abstracts**

The global blockchain in agriculture and food supply chain market size is estimated to be USD 133 million in 2020 and is projected to reach USD 948 million by 2025, at a CAGR of 48.1% during the forecast period. Blockchain technology is revolutionizing the food and agriculture sectors by enhancing the decision-making capabilities of organizations. It finds several potential applications in these sectors, some of which have already been explored. The major applications of blockchain technology in food and agriculture include product traceability, tracking and visibility, payment and settlement, smart contract, governance, risk, and compliance management. The blockchain market is expected to grow, owing to an increase in the demand for supply chain transparency. The major driver of the blockchain market is the growing number of food fraud cases. The growth RATE of small and medium-sized enterprises is higher as several startups are investing in this market across the globe and understanding the benefits this technology offers.

By application, the product traceability, tracking and visibility subtype is projected to account for the largest market growth in the specialty fats and oils market during the forecast period.

Using blockchain technology, companies can claim and authenticate their products by providing the end customers with the knowledge about the product's complete

journey—from origin to the shelf. Also, the significance of these applications grew tremendously by the spread of the COVID 19 pandemic. The blockchain market is estimated only to see a rise in the post-pandemic world, as transparency and traceability of the food value chain are observing a growing need in the global food industry.

By provider, the application and solution provider subtype is projected to be the fastest-growing segment in the blockchain in agriculture and food supply chain market during the forecast period.

Application and solution providers are third-party entities that distribute and manage blockchain solutions for customers across the agriculture and food industry. These vendors provide blockchain technologies that are more likely to deliver high business value to companies by reducing transactional data duplication and providing periodic reconciliation and authentication for commercial and regulatory needs.

By organization size, the large enterprise sub-segment is projected to account for the highest market share in the blockchain in agriculture and food supply chain market during the forecast period.

Large organizations have sufficient revenues and funds to invest in new technologies; therefore, industry giants such as Walmart (US), Bumble Bees (US), Nestle (Switzerland), and JD.com (China) are adopting blockchain technology on a pilot basis leading to the dominance of this segment. The agriculture and food market includes leading companies such as IBM Microsoft, SAP SE, ACR-NET, and TE-Foods International GmbH, amongst others that provide exquisite blockchain technology platforms.

#### Break-up of Primaries

By Company: Tier 1- 25%; Tier 2- 30%; Tier 3- 45%

By Designation: C- Level: 35%, D-Level: 25%, and Others: 40%

By Region: Asia Pacific- 45%, North America – 30%, Europe – 15%, Rest of the World (RoW) \* – 10%.

\*Others include sales managers, marketing managers, and product managers.

Note: Three tiers of the companies are defined based on their total revenues in 2018 or 2019, based on the availability of financial data:

Tier 1: Revenue > USD 1 billion

Tier 2: USD 100 million ? Revenue ? USD 1 billion

Tier 3: Revenue

Leading players profiled in this report

IBM (US)

Microsoft (US)

ACR-NET (Ireland)

Ambrosus (Switzerland)

SAP SE (Germany)

OriginTrail (Slovenia)

Provenance (UK)

TE-FOOD International GmbH (Europe)

FCE Group AG (Switzerland))

Coin 22 (Netherlands)

Modum.io AG (Switzerland)

eHarvestHub Inc. (US)

Viveat (Italy)

GrainChain (US)

Genuino (Italy)

VeChain (China)

Chainvine (UK)

Ripe.io (US)

AgriChain (Australia)

AgriDigital (Australia)

Skuchain (US)

Agri 10x (India)

Bext 360 (US)

## Research Coverage

This report segments the blockchain in agriculture and food supply chain market based on type, stakeholder, provider, organization size, application, and region. In terms of insights, this research report focuses on various levels of analyses—competitive landscape, end-use analysis, and company profiles—which together comprise and discuss the basic views on the emerging & high-growth segments of the blockchain in agriculture and food supply chain market, the high-growth regions, countries, government initiatives, market disruption, drivers, restraints, opportunities, and challenges.

## Reasons to buy this report

To get a comprehensive overview of the blockchain in agriculture and food supply chain market

To gain wide-ranging information about the top players in this industry, their product portfolios, and key strategies adopted by them

To gain insights about the major countries/regions in which the blockchain in agriculture and food supply chain market is flourishing

## Contents

### 1 INTRODUCTION

#### 1.1 OBJECTIVES OF THE STUDY

#### 1.2 MARKET DEFINITION

#### 1.3 MARKET SCOPE

#### FIGURE 1 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SEGMENTATION

#### FIGURE 2 REGIONAL SEGMENTATION

##### 1.3.1 INCLUSIONS & EXCLUSIONS

#### TABLE 1 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY TYPE & APPLICATION AREA: INCLUSIONS & EXCLUSIONS

##### 1.3.2 PERIODIZATION CONSIDERED

#### 1.4 CURRENCY CONSIDERED

#### TABLE 2 USD EXCHANGE RATES CONSIDERED FOR THE STUDY, 2017–2019

#### 1.5 STAKEHOLDERS

#### 1.6 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

#### FIGURE 3 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

##### 2.1.2 PRIMARY DATA

##### 2.1.2.1 Key industry insights

##### 2.1.2.2 Breakdown of primary interviews

#### FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

#### 2.2 MARKET SIZE ESTIMATION

#### FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

#### FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

#### 2.3 DATA TRIANGULATION

#### FIGURE 7 DATA TRIANGULATION METHODOLOGY

#### 2.4 RESEARCH ASSUMPTIONS

#### 2.5 LIMITATIONS

### 3 EXECUTIVE SUMMARY

TABLE 3 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, 2018–2025 (USD MILLION)

FIGURE 8 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2020 VS. 2025 (USD MILLION)

FIGURE 9 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY PROVIDER, 2020 VS. 2025 (USD MILLION)

FIGURE 10 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2020 VS. 2025 (USD MILLION)

FIGURE 11 EUROPE TO GROW AT THE HIGHEST CAGR IN THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET FROM 2020 TO 2025

FIGURE 12 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SHARE, BY REGION, 2020

## 4 PREMIUM INSIGHTS

4.1 OPPORTUNITIES IN THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET

FIGURE 13 FOOD PRODUCT TRACEABILITY TO DRIVE THE GROWTH OF THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET

4.2 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET: KEY COUNTRY

FIGURE 14 AUSTRALIA & NEW ZEALAND TO BE THE FASTEST-GROWING COUNTRY-LEVEL MARKET FOR BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN THROUGH 2025

4.3 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY PROVIDER AND REGION

FIGURE 15 NORTH AMERICA IS ESTIMATED TO DOMINATE THE MARKET AND HOLD THE LARGEST SHARE IN VARIOUS ORGANISATION SIZES FOR BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN IN 2020

4.4 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY APPLICATION

FIGURE 16 PRODUCT TRACEABILITY, TRACKING, AND VISIBILITY IS ESTIMATED TO DOMINATE THE MARKET IN 2020

4.5 DEVELOPED VS. DEVELOPING MARKETS FOR BLOCKCHAIN IN AGRICULTURE

AND FOOD SUPPLY CHAIN

FIGURE 17 DEVELOPING COUNTRIES TO RECORD THE HIGHEST GROWTH RATES DURING THE FORECAST PERIOD

#### 4.6 NORTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY PROVIDER AND COUNTRY

FIGURE 18 THE US IS ESTIMATED TO ACCOUNT FOR THE LARGEST SHARE IN NORTH AMERICA IN 2020

### 5 MARKET OVERVIEW

#### 5.1 INTRODUCTION

#### 5.2 MARKET DYNAMICS

FIGURE 19 BLOCKCHAIN IN AGRICULTURE MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

##### 5.2.1 DRIVERS

5.2.1.1 Rising concerns for food safety among consumers demanding transparency in the supply chain

FIGURE 20 TOTAL NUMBER OF FOOD PRODUCT RECALL FOR AUSTRALIA AND NEW ZEALAND, 2010–2019

##### 5.2.1.1.1 Rise in food fraud cases

FIGURE 21 TYPES OF VIOLATION IN FOOD FRAUDS, 2018

5.2.1.2 Increase in popularity of blockchain among retailers/distributors for better supervision & data management

5.2.1.3 Growth in online trading and tracking systems enhancing the need for blockchain solutions during COVID-19

5.2.1.4 Growing food wastage and post-harvest losses

##### 5.2.2 RESTRAINTS

5.2.2.1 Uncertainty in regulations and standards

5.2.2.2 Limited availability of technical skillset for implementing and managing blockchain applications

##### 5.2.3 OPPORTUNITIES

5.2.3.1 Increase in funding and investments in agri-food blockchain

5.2.3.2 Opportunity to adopt blockchain solutions to ease the supply chain complexities in the agriculture ecosystem

5.2.3.3 Fastest-growing smart agricultural systems creating an opportunity for the blockchain applications at growers' level

5.2.3.4 Government initiatives to support modern techniques that can be used in agriculture to increase agricultural production

##### 5.2.4 CHALLENGES

5.2.4.1 Data mismanagement among growers during precision farming

5.2.4.2 Agreement between all stakeholders of the supply chain to digitally connect

5.2.4.3 Lack of standardization of data is a challenge as it may misrepresent the data



### 5.3 BLOCKCHAIN ECOSYSTEM

#### 5.3.1 BLOCKCHAIN ECOSYSTEM IN AGRICULTURE AND FOOD SUPPLY CHAIN

### 5.4 STEPS INVOLVED IN THE IMPLEMENTATION OF BLOCKCHAIN TECHNOLOGY

#### FIGURE 22 STEPS INVOLVED IN THE IMPLEMENTATION OF BLOCKCHAIN TECHNOLOGY IN ANY ORGANIZATION

### 5.5 BLOCKCHAIN ASSOCIATIONS AND CONSORTIUMS

#### 5.5.1 R3 CONSORTIUM

#### 5.5.2 KINAKUTA

#### 5.5.3 HYPERLEDGER

#### 5.5.4 WORLD BLOCKCHAIN ASSOCIATION

#### 5.5.5 GLOBAL BLOCKCHAIN BUSINESS COUNCIL

#### 5.5.6 TRACE ALLIANCE

#### 5.5.7 BLOCKCHAIN ALLIANCE

#### 5.5.8 BLOCKCHAIN INDUSTRY GROUP

#### 5.5.9 BLOCKCHAIN COLLABORATIVE CONSORTIUM (BCC)

### 5.6 USE CASES

#### TABLE 4 USE CASES FOR BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN

## **6 IMPACT OF COVID-19 ON THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKETS**

#### FIGURE 23 COVID-19: GLOBAL PROPAGATION

#### FIGURE 24 COVID-19 PROPAGATION: SELECT COUNTRIES

### 6.1 COVID-19 IMPACT ON THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET

#### FIGURE 25 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SCENARIO WITH & WITHOUT COVID-19, 2020 (USD MILLION)

### 6.2 COVID-19 IMPACT ON THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET

## **7 BLOCKCHAIN IN AGRICULTURE MARKET, BY TYPE**

### 7.1 INTRODUCTION

#### TABLE 5 COMPARISON BETWEEN PUBLIC, PRIVATE, AND CONSORTIUM BLOCKCHAIN

### 7.2 PUBLIC BLOCKCHAIN

### 7.3 PRIVATE BLOCKCHAIN

### 7.4 CONSORTIUM/HYBRID BLOCKCHAIN

## **8 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY STAKEHOLDER**

### **8.1 INTRODUCTION**

### **8.2 GROWERS**

### **8.3 FOOD MANUFACTURERS/PROCESSORS**

### **8.4 RETAILERS**

## **9 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY PROVIDER**

### **9.1 INTRODUCTION**

FIGURE 26 APPLICATION AND SOLUTION PROVIDERS SEGMENT TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

TABLE 6 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY PROVIDER, 2018–2025 (USD MILLION)

### **9.2 APPLICATION AND SOLUTION PROVIDERS**

TABLE 7 APPLICATION AND SOLUTION PROVIDERS: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

### **9.3 MIDDLEWARE PROVIDERS**

TABLE 8 MIDDLEWARE PROVIDERS: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

### **9.4 INFRASTRUCTURE AND PROTOCOL PROVIDERS**

TABLE 9 INFRASTRUCTURE AND PROTOCOL PROVIDERS: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

## **10 BLOCKCHAIN IN AGRICULTURE AND FOOD MARKET, BY ORGANISATION SIZE**

### **10.1 INTRODUCTION**

FIGURE 27 BLOCKCHAIN IN AGRICULTURE AND FOOD MARKET SIZE, BY ORGANISATION SIZE, 2020 VS. 2026 (USD MILLION)

### **10.2 SMALL AND MEDIUM-SIZED ENTERPRISES**

TABLE 10 BLOCKCHAIN IN AGRICULTURE AND FOOD MARKET SIZE, BY ORGANISATION SIZE, 2018–2025 (USD MILLION)

#### **10.2.1 LARGE ENTERPRISES**

TABLE 11 LARGE ENTERPRISES: BLOCKCHAIN IN AGRICULTURE AND FOOD MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 12 SMALL AND MEDIUM-SIZED ENTERPRISES (SMES): BLOCKCHAIN IN AGRICULTURE AND FOOD MARKET SIZE, BY REGION, 2020–2026 (USD MILLION)

## **11 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY APPLICATION AREA**

### **11.1 INTRODUCTION**

FIGURE 28 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 13 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

### **11.2 PRODUCT TRACEABILITY, TRACKING, AND VISIBILITY**

FIGURE 29 PRODUCT TRACEABILITY, TRACKING, AND VISIBILITY: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY REGION, 2020–2025 (USD MILLION)

TABLE 14 PRODUCT TRACEABILITY, TRACKING, AND VISIBILITY: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

### **11.3 PAYMENTS AND SETTLEMENTS**

TABLE 15 PAYMENTS AND SETTLEMENTS: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

### **11.4 SMART CONTRACT**

TABLE 16 SMART CONTRACT: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

### **11.5 GOVERNANCE, RISK, AND COMPLIANCE MANAGEMENT**

TABLE 17 GOVERNANCE, RISK, AND COMPLIANCE MANAGEMENT: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

## **12 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, BY REGION**

### **12.1 INTRODUCTION**

FIGURE 30 COUNTRY-WISE INTERNET PENETRATION RATE IN %, 2020

FIGURE 31 GEOGRAPHIC SNAPSHOT (2020): US & UK ACCOUNT FOR THE HIGHEST MARKET SHARES IN THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAINS MARKET

TABLE 18 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

12.2 NORTH AMERICA

FIGURE 32 NORTH AMERICA: MARKET SNAPSHOT

TABLE 19 NORTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 20 NORTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 21 NORTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY PROVIDER, 2018–2025 (USD MILLION)

TABLE 22 NORTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

12.2.1 US

TABLE 23 US: BILLS AND LEGISLATIONS (PASSED/IN PROCESS) FOR REGULATING BLOCKCHAIN TECHNOLOGY

TABLE 24 US: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

TABLE 25 US: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

12.2.2 CANADA

TABLE 26 CANADA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2020–2025 (USD MILLION)

TABLE 27 CANADA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

12.2.3 MEXICO

TABLE 28 MEXICO: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

TABLE 29 MEXICO: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

12.3 EUROPE

FIGURE 33 EUROPE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SNAPSHOT

TABLE 30 EUROPE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2020–2025 (USD MILLION)

TABLE 31 EUROPE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY PROVIDER, 2018–2025 (USD MILLION)

TABLE 32 EUROPE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

TABLE 33 EUROPE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN

**MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)****12.3.1 UK**

**TABLE 34 UK: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN  
MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)**

**TABLE 35 UK: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN  
MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)**

**12.3.2 GERMANY**

**TABLE 36 GERMANY: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN  
MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)**

**TABLE 37 GERMANY: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN  
MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)**

**12.3.3 REST OF EUROPE**

**TABLE 38 REST OF EUROPE: BLOCKCHAIN IN AGRICULTURE AND FOOD  
SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD  
MILLION)**

**TABLE 39 REST OF EUROPE: BLOCKCHAIN IN AGRICULTURE AND FOOD  
SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)**

**12.4 ASIA PACIFIC**

**FIGURE 34 ASIA PACIFIC: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY  
CHAIN MARKET**

**TABLE 40 ASIA PACIFIC: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY  
CHAIN MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)**

**TABLE 41 ASIA PACIFIC: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY  
CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)**

**TABLE 42 ASIA PACIFIC: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY  
CHAIN MARKET SIZE, BY PROVIDER, 2018–2025 (USD MILLION)**

**TABLE 43 ASIA PACIFIC: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY  
CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)**

**12.4.1 CHINA**

**TABLE 44 CHINA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN  
MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)**

**TABLE 45 CHINA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN  
MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)**

**12.4.2 AUSTRALIA & NEW ZEALAND**

**TABLE 46 AUSTRALIA & NEW ZEALAND: BLOCKCHAIN IN AGRICULTURE AND  
FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD  
MILLION)**

**TABLE 47 AUSTRALIA & NEW ZEALAND: BLOCKCHAIN IN AGRICULTURE AND  
FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD**

MILLION)

#### 12.4.3 JAPAN

TABLE 48 JAPAN: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 49 JAPAN: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

#### 12.4.4 SINGAPORE

TABLE 50 SINGAPORE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 51 SINGAPORE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANISATION SIZE, 2018–2025 (USD MILLION)

#### 12.4.5 REST OF ASIA PACIFIC

TABLE 52 REST OF APAC: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 53 REST OF APAC: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANISATION SIZE, 2018–2025 (USD MILLION)

#### 12.5 SOUTH AMERICA

TABLE 54 SOUTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 55 SOUTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 56 SOUTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY PROVIDER, 2018–2025 (USD MILLION)

TABLE 57 SOUTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

##### 12.5.1 BRAZIL

TABLE 58 BRAZIL: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 59 BRAZIL: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

##### 12.5.2 ARGENTINA

TABLE 60 ARGENTINA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 61 ARGENTINA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

##### 12.5.3 REST OF SOUTH AMERICA

TABLE 62 REST OF SOUTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)



TABLE 63 REST OF SOUTH AMERICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

#### 12.6 MIDDLE EAST & AFRICA

TABLE 64 MIDDLE EAST & AFRICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 65 MIDDLE EAST & AFRICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 66 MIDDLE EAST & AFRICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY PROVIDER, 2018–2025 (USD MILLION)

TABLE 67 MIDDLE EAST & AFRICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

##### 12.6.1 UAE

TABLE 68 UAE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 69 UAE: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

##### 12.6.2 KENYA & NIGERIA

TABLE 70 KENYA & NIGERIA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 71 KENYA & NIGERIA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANISATION SIZE, 2018–2025 (USD MILLION)

##### 12.6.3 SOUTH AFRICA

TABLE 72 SOUTH AFRICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 73 SOUTH AFRICA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANISATION SIZE, 2018–2025 (USD MILLION)

##### 12.6.4 REST OF MEA

TABLE 74 OTHERS IN MEA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 75 OTHERS IN MEA: BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET SIZE, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

## 13 COMPETITIVE LANDSCAPE

### 13.1 OVERVIEW

### 13.2 MARKET RANKING

FIGURE 35 TOP FIVE COMPANIES IN THE BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET, 2019

13.2.1 MARKET EVALUATION FRAMEWORK

FIGURE 36 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET: TRENDS IN COMPANY STRATEGIES, 2016–2020

13.3 COMPETITIVE SCENARIO

13.3.1 EXPANSIONS, FUNDINGS & INVESTMENTS

TABLE 76 EXPANSIONS, FUNDINGS & INVESTMENTS, 2017–2018

13.3.2 NEW PRODUCT LAUNCHES

TABLE 77 NEW PRODUCT LAUNCHES, 2018-2019

13.3.3 AGREEMENTS, JOINT VENTURES, CO-OPERATIONS, COLLABORATIONS, AND PARTNERSHIPS

TABLE 78 AGREEMENTS, JOINT VENTURES, CO-OPERATIONS, COLLABORATIONS, AND PARTNERSHIPS, 2017–2020

## **14 COMPANY EVALUATION MATRIX & COMPANY PROFILES**

### **14.1 COMPANY EVALUATION MATRIX (OVERALL MARKET)**

14.1.1 STARS

14.1.2 PERVASIVE PLAYERS

14.1.3 EMERGING LEADERS

14.1.4 PARTICIPANTS

FIGURE 37 BLOCKCHAIN IN AGRICULTURE AND FOOD SUPPLY CHAIN MARKET: COMPANY EVALUATION MATRIX, 2019

### **14.2 COMPANY PROFILES**

(Business overview, Products offered, Recent developments, SWOT analysis & MnM View)\*

14.2.1 IBM

FIGURE 38 IBM: COMPANY SNAPSHOT

FIGURE 39 IBM: SWOT ANALYSIS

14.2.2 MICROSOFT

FIGURE 40 MICROSOFT: COMPANY SNAPSHOT

FIGURE 41 MICROSOFT: SWOT ANALYSIS

14.2.3 ARC-NET

FIGURE 42 ARC-NET: SWOT ANALYSIS

14.2.4 AMBROSUS

FIGURE 43 AMBROSUS: SWOT ANALYSIS

14.2.5 SAP SE

FIGURE 44 SAP SE: COMPANY SNAPSHOT



**FIGURE 45 SAP SE: SWOT ANALYSIS**

14.2.6 ORIGINTRAIL

**FIGURE 46 ORIGINTRAIL: SWOT ANALYSIS**

14.2.7 PROVENANCE

14.2.8 AGRIDIGITAL

14.2.9 RIPE.IO

14.2.10 VECHAIN

14.2.11 CHAINVINE

14.2.12 AGRICHAIN

14.2.13 SKUCHAIN

14.2.14 BEXT360

14.2.15 FCE GROUP AG

14.2.16 COIN 22

14.2.17 TE-FOOD INTERNATIONAL GMBH

14.2.18 MODUM.IO AG

14.2.19 VIVEAT

14.2.20 EHARVESTHUB INC.

14.2.21 GRAINCHAIN

14.2.22 CARGOCHAIN

14.2.23 FARM2KITCHEN FOODS PVT. LTD.

14.2.24 GENUINO

14.2.25 AGRI 10X

\*Details on Business overview, Products offered, Recent developments, SWOT analysis & MnM View might not be captured in case of unlisted companies.

**15 APPENDIX**

15.1 DISCUSSION GUIDE:

15.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

15.3 AVAILABLE CUSTOMIZATION

15.4 RELATED REPORTS

15.5 AUTHOR DETAILS

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