

## **North America Farm Management Software Market**

Market Report | 2024-07-01 | 297 pages | Data Bridge Market Research

### **AVAILABLE LICENSES:**

- Single User License \$3500.00
- Corporate Users License \$4200.00

### **Report description:**

North America farm management software market is expected to reach USD 2,958,087.35 thousand by 2031 from USD 956,747.19 thousand in 2023, growing with a CAGR of 15.2% in the forecast period of 2024 to 2031.

Market Segmentation:

North America Farm Management Software Market, Delivery Mode (On-Cloud and On-Premise), Farm Size (Mid-Size Farm, Large Farm and Small Farm), Application (Precision Farming, Precision Livestock, Precision Forestry, Precision Aquaculture, Smart Greenhouse, and Others), Farm Production (Pre-Production Planning, Production Planning, and Post-Production Planning), Operating System (Windows, Android, MAC, IOS, Linux, and Others), Pricing Category (Subscription Based, Free/AdBased, and One Time License), User Type (Farmers and Agriculture Enterprise), By countries (U.S. and Canada)- Industry Trends and Forecast To 2031)

Overview of North America Farm Management Software market Dynamics :

#### **Driver**

- Rising focus on sustainable and environmentally-friendly farming practices

#### **Restraint**

- High initial investment and implementation costs for farm management software

#### **Opportunity**

- Rising adoption of farm management software to minimize of labor cost and maximize efficiency

#### **Challenge**

- Navigating legal and ethical implications of using AI and IoT in agriculture

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Market Players:

The key market players operating in the North America farm management software market are listed below:

- GEA Group Aktiengesellschaft
- TELUS
- CropX inc.
- Conservis
- Ag Leader Technology
- IBM
- Climate LLC.
- Agworld Pty Ltd
- Afimilk Ltd.
- Farmers Edge Inc.
- Trimble Inc.
- Deere & Company.
- Raven Industries, Inc.
- Shivrai Technologies Pvt. Ltd.

## Table of Contents:

1 INTRODUCTION	64
1.1 OBJECTIVES OF THE STUDY	64
1.2 MARKET DEFINITION	64
1.3 OVERVIEW OF THE NORTH AMERICA FARM MANAGEMENT SOFTWARE	64
1.4 CURRENCY AND PRICING	66
1.5 LIMITATIONS	67
1.6 MARKETS COVERED	67
2 MARKET SEGMENTATION	73
2.1 MARKETS COVERED	73
2.2 GEOGRAPHICAL SCOPE	74
2.3 YEARS CONSIDERED FOR THE STUDY	75
2.4 DBMR TRIPOD DATA VALIDATION MODEL	76
2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS	79
2.6 DBMR MARKET POSITION GRID	80
2.7 VENDOR SHARE ANALYSIS	82
2.8 MULTIVARIATE MODELING	83
2.9 DELIVERY MODE TIMELINE CURVE	84
2.10 MARKET APPLICATION COVERAGE GRID	85
2.11 SECONDARY SOURCES	86
2.12 ASSUMPTIONS	86
3 EXECUTIVE SUMMARY	87
4 PREMIUM INSIGHTS	92
4.1 PORTERS FIVE FORCES	94
4.2 TECHNOLOGICAL TRENDS	95

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

4.2.1	PRECISION AGRICULTURE	95
4.2.2	BIG DATA AND ANALYTICS	95
4.2.3	AUTOMATION AND ROBOTICS	95
4.2.4	BLOCKCHAIN TECHNOLOGY	95
4.2.5	CLOUD COMPUTING	96
4.2.6	MOBILE APPLICATIONS	96
4.2.7	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	96
4.2.8	SUSTAINABLE AGRICULTURE PRACTICES	97
4.2.9	INTEGRATION WITH FINANCIAL AND SUBSIDY PLATFORMS	97
4.2.10	ENHANCED USER EXPERIENCE (UX)	97
4.3	REGULATORY SCENARIO	98
4.4	CASE STUDY	99
4.5	PRICING ANALYSIS	103
4.6	IMPACT OF FARM MANAGEMENT SOFTWARE ON VALUE CHAIN	104
4.7	SCENARIO BASED ON PRODUCT ADOPTION	106
4.8	CONSUMER BUYING BEHAVIOUR PATTERN	108
4.9	COMPANY COMPERATIVE ANALYSIS	109
5	MARKET OVERVIEW	112
5.1	DRIVERS	114
5.1.1	INCREASING DEMAND FOR PRECISION AGRICULTURE SOLUTIONS	114
5.1.2	GOVERNMENT INITIATIVES AND SUBSIDIES FOR DIGITAL FARMING	115
5.1.3	GROWING ADOPTION OF IOT AND SENSOR TECHNOLOGIES IN FARMING	116
5.1.4	RISING FOCUS ON SUSTAINABLE AND ENVIRONMENTALLY-FRIENDLY FARMING PRACTICES	118
5.2	RESTRAINTS	120
5.2.1	HIGH INITIAL INVESTMENT AND IMPLEMENTATION COSTS FOR FARM MANAGEMENT SOFTWARE	120
5.2.2	COMPLEXITY AND INTEGRATION CHALLENGES WITH EXISTING FARM EQUIPMENT AND SYSTEMS	121
5.3	OPPORTUNITIES	122
5.3.1	RISING ADOPTION OF FARM MANAGEMENT SOFTWARE TO MINIMIZE OF LABOR COST AND MAXIMIZE EFFICIENCY	122
5.3.2	INCREASING ADOPTION OF AI-BASED PREDICTIONS FOR OPTIMIZING RESOURCE UTILIZATION	122
5.3.3	COLLABORATION WITH TECH COMPANIES AND AGRICULTURAL EXPERTS CREATES COMPREHENSIVE FARMING SOLUTIONS	123
5.4	CHALLENGES	124
5.4.1	NAVIGATING LEGAL AND ETHICAL IMPLICATIONS OF USING AI AND IOT IN AGRICULTURE	124
5.4.2	ENSURING THE SECURITY AND PRIVACY OF SENSITIVE FARM DATA	125
6	NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY DELIVERY MODE	127
6.1	OVERVIEW	128
6.2	ON-CLOUD	128
6.3	SOFTWARE AS A SERVICE (SAAS)	130
6.4	PLATFORM AS A SERVICE (PAAS)	130
6.5	ON-PREMISE	130
7	NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY FARM SIZE	131
7.1	OVERVIEW	132
7.2	MID-SIZE FARM	133
7.3	LARGE FARM	134
7.4	SMALL FARM	134
8	NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY APPLICATION	136
8.1	OVERVIEW	137

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

8.2 PRECISION FARMING	138
8.2.1 CROP SCOUTING	139
8.2.2 YIELD MONITORING	140
8.2.2.1 ON-FARM YIELD MONITORING	140
8.2.2.2 OFF-FARM YIELD MONITORING	140
8.2.3 FIELD MAPPING	141
8.2.3.1 BOUNDARY MAPPING	141
8.2.3.2 DRAINAGE MAPPING	141
8.2.4 WEATHER TRACKING AND FORECASTING	141
8.2.5 VARIABLE RATE APPLICATION	142
8.2.5.1 PRECISION IRRIGATION	142
8.2.5.2 PRECISION SEEDING	142
8.2.5.3 PRECISION FERTILIZER	142
8.2.5.4 PESTICIDE VRA	142
8.2.5.5 OTHERS	143
8.2.6 INVENTORY MANAGEMENT	143
8.2.7 FINANCIAL MANAGEMENT	143
8.2.8 FARM LABOUR MANAGEMENT	143
8.2.9 EQUIPMENT MONITORING AND MAINTENANCE	143
8.2.10 OTHERS	143
8.3 PRECISION LIVESTOCK	144
8.3.1 FEEDING MANAGEMENT	145
8.3.2 MILK HARVESTING	145
8.3.3 IDENTIFICATION AND TRACKING	145
8.3.4 HEAT STRESS MANAGEMENT	145
8.3.5 BREEDING MANAGEMENT	145
8.3.6 OTHERS	145
8.4 PRECISION FORESTRY	146
8.4.1 HARVESTING MANAGEMENT	147
8.4.2 SILVICULTURE AND FIRE MANAGEMENT	147
8.4.3 INVENTORY AND LOGISTIC MANAGEMENT	147
8.4.4 GENETIC AND NURSERIES	147
8.4.5 OTHERS	147
8.5 PRECISION AQUACULTURE	148
8.5.1 FEEDING MANAGEMENT	149
8.5.2 FARM MONITORING AND SURVEILLANCE	149
8.5.3 OTHERS	149
8.6 SMART GREENHOUSE	149
8.6.1 AUTOMATED IRRIGATION SCHEDULING	150
8.6.2 CROP HEALTH AND YIELD MONITORING	150
8.6.3 WATER AND FERTILIZER MANAGEMENT	150
8.6.4 HVAC AND CLIMATE CONTROL	150
8.6.5 OTHERS	151
8.7 OTHERS	151
9 NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY FARM PRODUCTION	152
9.1 OVERVIEW	153
9.2 PRE-PRODUCTION PLANNING	154

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

9.3 PRODUCTION PLANNING	155
9.4 POST-PRODUCTION PLANNING	155
10 NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY OPERATION SYSTEM	156
10.1 OPERATING SYSTEM	157
10.2 WINDOWS	158
10.3 ANDROID	159
10.4 MAC	159
10.5 IOS	160
10.6 LINUX	160
10.7 OTHERS	161
11 NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY PRICING CATEGORY	162
11.1 PRICING CATEGORY	163
11.2 SUBSCRIPTION BASED	164
11.2.1 MONTHLY	165
11.2.2 ANNUAL	165
11.3 FREE/ADBASED	165
11.4 ONE TIME LICENSE	166
12 NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY USER TYPE	167
12.1 USER TYPE	168
12.2 FARMERS	169
12.3 AGRICULTURE ENTERPRISE	170
13 NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET, BY REGION	171
13.1 NORTH AMERICA	174
13.1.1 U.S.	184
13.1.2 CANADA	195
14 NORTH AMERICA FARM MANAGEMENT SOFTWARE MARKET: COMPANY LANDSCAPE	205
14.1 COMPANY SHARE ANALYSIS: NORTH AMERICA	205
15 SWOT ANALYSIS	206
16 COMPANY PROFILE	207
16.1 GEA GROUP AKTIENGESELLSCHAFT	207
16.1.1 COMPANY SNAPSHOT	207
16.1.2 REVENUE ANALYSIS	207
16.1.3 COMPANY SHARE ANALYSIS	208
16.1.4 PRODUCT PORTFOLIO	208
16.1.5 RECENT DEVELOPMENTS	209
16.2 IBM	211
16.2.1 COMPANY SNAPSHOT	211
16.2.2 REVENUE ANALYSIS	211
16.2.3 COMPANY SHARE ANALYSIS	212
16.2.4 SERVICE PORTFOLIO	212
16.2.5 RECENT DEVELOPMENTS	212
16.3 DEERE & COMPANY	215
16.3.1 COMPANY SNAPSHOT	215
16.3.2 REVENUE ANALYSIS	215
16.3.3 COMPANY SHARE ANALYSIS	216
16.3.4 SERVICE PORTFOLIO	216
16.3.5 RECENT DEVELOPMENTS	220

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

16.4 TRIMBLE INC.	221
16.4.1 COMPANY SNAPSHOT	221
16.4.2 REVENUE ANALYSIS	221
16.4.3 COMPANY SHARE ANALYSIS	222
16.4.4 SERVICE PORTFOLIO	222
16.4.5 RECENT DEVELOPMENTS	222
16.5 TELUS	224
16.5.1 COMPANY SNAPSHOT	224
16.5.2 COMPANY SHARE ANALYSIS	224
16.5.3 SERVICE PORTFOLIO	225
16.5.4 RECENT DEVELOPMENTS	225
16.6 ABACO S.P.A.	228
16.6.1 COMPANY SNAPSHOT	228
16.6.2 SOLUTION PORTFOLIO	228
16.6.3 RECENT DEVELOPMENTS	228
16.7 AFIMILK LTD.	230
16.7.1 COMPANY SNAPSHOT	230
16.7.2 PRODUCT PORTFOLIO	230
16.7.3 RECENT DEVELOPMENT	231
16.8 AG LEADER TECHNOLOGY	233
16.8.1 COMPANY SNAPSHOT	233
16.8.2 SOLUTION PORTFOLIO	233
16.8.3 RECENT DEVELOPMENT	233
16.9 AGJUNCTION INC.	234
16.9.1 COMPANY SNAPSHOT	234
16.9.2 SERVICE PORTFOLIO	234
16.9.3 RECENT DEVELOPMENTS	236
16.10 AGRIVI	238
16.10.1 COMPANY SNAPSHOT	238
16.10.2 SERVICE PORTFOLIO	238
16.10.3 RECENT DEVELOPMENTS	238
16.11 AGWORLD PTY LTD	240
16.11.1 COMPANY SNAPSHOT	240
16.11.2 SERVICE PORTFOLIO	240
16.11.3 RECENT DEVELOPMENT	241
16.12 ANIMALSOFT KFT.	243
16.12.1 COMPANY SNAPSHOT	243
16.12.2 SERVICE PORTFOLIO	243
16.12.3 RECENT DEVELOPMENTS	243
16.13 BUSHEL INC.	245
16.13.1 COMPANY SNAPSHOT	245
16.13.2 SERVICE PORTFOLIO	245
16.13.3 RECENT DEVELOPMENTS	245
16.14 CLIMATE LLC.	247
16.14.1 COMPANY SNAPSHOT	247
16.14.2 SOLUTION PORTFOLIO	247
16.14.3 RECENT DEVELOPMENTS	247

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

16.15	CONSERVIS	249
16.15.1	COMPANY SNAPSHOT	249
16.15.2	SERVICE PORTFOLIO	249
16.15.3	RECENT DEVELOPMENTS	250
16.16	CROPIN TECHNOLOGY SOLUTIONS PRIVATE LIMITED	252
16.16.1	COMPANY SNAPSHOT	252
16.16.2	SERVICE PORTFOLIO	252
16.16.3	RECENT DEVELOPMENTS	254
16.17	CROPX INC.	257
16.17.1	COMPANY SNAPSHOT	257
16.17.2	PRODUCT PORTFOLIO	257
16.17.3	RECENT DEVELOPMENTS	259
16.18	EASYKEEPER HERD MANAGER, INC	261
16.18.1	COMPANY SNAPSHOT	261
16.18.2	SERVICE PORTFOLIO	261
16.18.3	RECENT DEVELOPMENT	265
16.19	FARMBRITE	266
16.19.1	COMPANY SNAPSHOT	266
16.19.2	SERVICE PORTFOLIO	266
16.19.3	RECENT DEVELOPMENTS	266
16.20	FARMERS EDGE INC.	268
16.20.1	COMPANY SNAPSHOT	268
16.20.2	SERVICE PORTFOLIO	268
16.20.3	RECENT DEVELOPMENTS	268
16.21	FIELD MARGIN LTD. (A SUBSIDIARY OF AGREENA)	271
16.21.1	COMPANY SNAPSHOT	271
16.21.2	SERVICE PORTFOLIO	271
16.21.3	RECENT DEVELOPMENTS	272
16.22	GATEC	273
16.22.1	COMPANY SNAPSHOT	273
16.22.2	SERVICE PORTFOLIO	273
16.22.3	RECENT DEVELOPMENTS	274
16.23	PICKAPP	276
16.23.1	COMPANY SNAPSHOT	276
16.23.2	SERVICE PORTFOLIO	276
16.23.3	RECENT DEVELOPMENT	277
16.24	PIGCHAMP, INC. (A SUBSIDIARY OF FARMS.COM LTD)	278
16.24.1	COMPANY SNAPSHOT	278
16.24.2	SERVICE PORTFOLIO	278
16.24.3	RECENT DEVELOPMENTS	279
16.25	RAVEN INDUSTRIES, INC. (A SUBSIDIARY OF CNH)	280
16.25.1	COMPANY SNAPSHOT	280
16.25.2	SERVICE PORTFOLIO	280
16.25.3	RECENT DEVELOPMENTS	281
16.26	RUUMI	283
16.26.1	COMPANY SNAPSHOT	283
16.26.2	SERVICE PORTFOLIO	283

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

16.26.3 RECENT DEVELOPMENT	284
16.27 SHIVRAI TECHNOLOGIES PVT. LTD.	285
16.27.1 COMPANY SNAPSHOT	285
16.27.2 SERVICE PORTFOLIO	285
16.27.3 RECENT DEVELOPMENTS	286
16.28 TOPCON CORPORATION	289
16.28.1 COMPANY SNAPSHOT	289
16.28.2 REVENUE ANALYSIS	289
16.28.3 SERVICE PORTFOLIO	290
16.28.4 RECENT DEVELOPMENTS	291
17 QUESTIONNAIRE	293
18 RELATED REPORTS	297



## North America Farm Management Software Market

Market Report | 2024-07-01 | 297 pages | Data Bridge Market Research

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User License	\$3500.00
	Corporate Users License	\$4200.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-11"/>
		Signature	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com