



Manufacturing of *Agricultural Battery Sprayer Pump.*



**Production of
Battery Operated
Sprayers,
Plant Protection
Sprayers**



Introduction

The Battery Sprayers make use of technology to provide relief to farmers. The sprayer is provided with a rechargeable battery instead of the conventional handle-lever system. The sprayer requires minimum effort and generates high pressure. The electric sprayer works with individual or triple nozzles



With the constantly increasing crop production, the need for pest protection and crop nutrition have become necessary aspects of farm management. Therefore, agriculture spray is a suitable and cost-effective way to manage both of these critical aspects. Agriculture sprayer is one of the important agriculture equipment. The Agricultural Sprayers Market is significantly growing across the globe. Mostly pressure sprayer is used to apply liquid pesticides. Pressure sprayer comes with two types includes low pressure sprayer and high-pressure sprayer. Low pressure sprayer is used to spray pesticides on the crop whereas high pressure sprayer is used to spray pesticides into the soil as well.



Uses

Spray insecticides, pesticides, fungicides, herbicides etc. in field areas to protect the crop from pest attack. These Sprayers have multiple applications and are widely used in agriculture, horticulture, sericulture, plantations, forestry, gardens etc.



Market Outlook

Increasing adoption of tractors in the agricultural sector is expected to drive tractor operated sprayers, like air blast sprayers and boom sprayers. In countries, like the United States, Germany, and France, and in developed Asian countries, like Japan, there is a higher adoption rate of tractors. But, lack of proper information, insufficient economic means to gather and understand the information required to operate the sprayers, and lack of technological skills among farmers. Increasing production of crop such as cereals and grains in APAC, is a major factor contributing in the growth of the global Agricultural Sprayers Market. There is a rising demand for advanced farming equipment to improve the productivity, which in turn, augmenting the growth of the market.

Other factors that are augmenting the growth of the market include growth in agriculture industry extensive application in agricultural pesticides and demand for large capacity agriculture spray. High cost of agriculture sprayer is hampering the growth of the market across the globe. However, growing technological advancements in spraying technologies along with entry of new players in the Agricultural Sprayers Market are some of the factors that are expected to propel the growth of the market in the near future. Agricultural sprayers are used widely in the spraying of herbicides, fungicides, insecticides and fertilizers to crops for better yield and protection from crop-damaging microorganisms. These are one of the most important and essential equipment required for the growth of the crop and also provide protection from pests, insects, and other organisms thereby helping farmers gain good crop yield and capital. Agriculture sprayers is one of the oldest equipment used by the farmers in agricultural production.

The global agricultural sprayers market is primarily driven by substantial changes in spraying & farming technologies increase in yield of grains and cereal, changing farming trends, increase in focus on the farm efficiency with increase output encouraging government from the recent agricultural techniques. Some of the other restraints are the impact of beliefs & traditional practices that lack technical knowledge & skill. Additionally, growing trend of precision and other modern farming practices leading to major opportunity to the market.

The Agricultural Sprayers market is analyzed considering the forecast period of 2018-2025. Global Agricultural Sprayers Market valued approximately USD 1.8 billion in 2017 is anticipated to grow with a healthy growth rate of more than 7.12 % over the forecast period 2018-2025. The growing use of agriculture sprayers by farmers to raise efficiency and productivity of plants has led to the growths in the income.

The industries are working to increase the prevalence of spraying technologies such as spraying using drones and machines in agriculture field. There're different spray materials available such as pre-emergent and post emergence herbicides, insecticides and fungicides for the agriculture spraying. These spraying can be operated by hands, automatic process, or driven using power take-off (PTO). The market can be bifurcated into electric sprayer, handheld sprayer, solar sprayer and fuel-based sprayer. Fuel-based sprayer are dominating the global agriculture spray market due to its raising demand owing to its large capacity. Solar sprayer is considered to be the fastest growing segment due to increasing demand for environmentally friendly agriculture sprayer across the globe. The market can be segmented into fungicide, herbicide, insecticides and others.



Key Players

Boston Crop Sprayers Ltd., Buhler Industries Inc., Case IH, Cleveland Crop Sprayers Ltd., D&M Manufacturing Co., Equipment Technologies, Inc., Foggers India Pvt Ltd. John Deere, CNH Industrial, EXEL Industries, Bucher Industries, Mahindra & Mahindra, STIHL, AGCO Corporation, Kubota, Yamaha, ohn Deere, CNH Industrial, EXEL Industries, Bucher Industries, Mahindra & Mahindra, STIHL, AGCO Corporation, Kubota, Yamaha , Adarsh Plant Protect Ltd, Honda Siel Power Products Ltd, Lechler (India) Pvt. Ltd, Nordson India Pvt. Ltd, Rallis India Ltd, Speedcrafts Ltd, Spraytec (India) Ltd.



Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	3.00	3.00	Capital	0.00	27.63	27.63
Buildings	0.00	57.40	57.40	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	16.05	16.05	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	0.00	0.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	6.75	6.75	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	5.00	5.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	82.88	82.88
Preliminary& Pre-operative Exp	0.00	1.00	1.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	1.50	1.50	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	19.81	19.81				
TOTAL	0.00	110.51	110.51	TOTAL	0.00	110.51	110.51

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS	Per Share		Per Share	Per Share				No.of Times	
	`	`	`	`	`	%	`	%	`		%
1-2	4.33	7.80	14.33	24.00	0.00	100.00	4.33	0.00	4.33	1.00	0.00
2-3	8.35	11.45	22.68	18.00	0.00	100.00	8.35	0.00	8.35	1.00	0.00
3-4	12.16	14.93	34.84	12.00	0.00	100.00	12.16	0.00	12.16	1.00	0.00
4-5	15.64	18.12	50.48	6.00	0.00	100.00	15.64	0.00	15.64	1.00	0.00
5-6	18.75	20.97	69.23	0.00	0.00	100.00	18.75	0.00	18.75	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / Equity - Deposits Debt	Equity as-Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.19	1.19		1.67	1.67	4.14		5.67%	2.43%	1.62%	184.44	24.99%	3.71	1.07
2-3	1.63	1.40		0.79	0.79	2.59		6.98%	4.17%	2.68%	212.90	24.73%	3.90	1.18
3-4	2.13	1.63	2.10	0.34	0.34	1.68		7.82%	5.37%	3.41%	243.26	24.72%	3.87	1.33
4-5	2.69	1.86		0.12	0.12	1.15		8.34%	6.16%	3.90%	273.62	24.72%	3.73	1.51
5-6	3.32	2.10		0.00	0.00	0.83		8.64%	6.66%	4.21%	303.98	24.71%	3.53	1.87

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
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Cash BEP (% of Installed Capacity)	70.92%
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Total BEP (% of Installed Capacity)	72.94%
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IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	28.87%
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Payback Period of the Project is (In Years)	2 Years 4 Months
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Fixed Assets Coverage Ratio (No. of times)	23.543
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Major Queries/Questions Answered in the Report?

- 1. What is Battery Sprayer Manufacturing industry ?**
- 2. How has the Battery Sprayer Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Battery Sprayer Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Battery Sprayer Manufacturing plant ?**

- 5. What is the structure of the Battery Sprayer Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Battery Sprayer Manufacturing Business?**
- 7. What are the operating costs for setting up Battery Sprayer Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Battery Sprayer Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Battery Sprayer Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Battery Sprayer Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Battery Sprayer Manufacturing Business?**
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Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Battery Sprayer .” provides an insight into Battery Sprayer market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Battery Sprayer project. The report assesses the market sizing and growth of the Indian Battery Sprayer Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Battery Sprayer sector in India along with its business prospects. Through this report we have identified Battery Sprayer project as a lucrative investment avenue.

Tags

#Battery_Sprayer_Entrepreneurindia, #Solar_Power_Pesticides_Sprayer,
#Solar_Agriculture_Sprayer_project, #battery_operated_knapsack_sprayer,
#Battery_Powered_Sprayer,
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sprayers, hand sprayer for agriculture, Agriculture Battery Sprayer Pump
Manufacturing, Battery Powered Knapsack Sprayer – Business, Battery
sprayer Manufacturers & Suppliers, Lithium Battery Manufacturing, Battery
Operated Sprayer Manufacturing & Suppliers,

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Battery Sprayers Double Pump, Battery Spray Pump - Manufacturing & Suppliers in India, Agricultural Sprayers - Battery Operated Agriculture Sprayer, Battery Sprayer Pump Manufacturing, Agriculture Sprayer Pump, Agricultural Sprayers - Battery Operated Agriculture, Sprayers - Knapsack Sprayer Manufacturer, battery operated sprayer, battery operated knapsack sprayer, battery operated agricultural sprayer, battery operated agricultural sprayer, battery sprayer for agriculture, double battery sprayer, knapsack battery sprayer, knapsack sprayer manufacturer in India

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Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,

Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](http://www.entrepreneurindia.co)



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- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.



We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.

What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Contact us

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Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



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Thank You

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