# LITERATURE SURVEY

# ESTIMATION OF CROP YIELD USING DATA ANAYTICS


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| S.NO | TITLE | AUTHOR NAME | YEAR OF PUBLICATION | CONTENTS |
|---|---|---|---|---|
| 1. | Rice Crop Yield Prediction using Data Mining Techniques: An Overview | Dakshayini Patil, Dr. M .S, Shirdhonkar | 2017 | Discussed various data mining techniques utilized for prediction of rice crop yield for the state of Maharashtra, India. WEKA tool was applied in dataset processing |
| 2. | A Survey on Crop Yield Prediction based on Agricultural Data | Dhivya B H, Manjula R, Siva Bharathi S, Madhumathi R | 2017 | Presented a survey on the different algorithms applied in the assessment and prediction of crop yield Discussed about the mechanism of knowledge the discovery in |

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| | | | | Agricultural data mining |
| 3. | Big Data for weed control and crop protection | F K Van Evert, S Fountas, D Jakovetic, V Crnojevic, I Travlos & C Kempenaar | 2017 | Critically discussed about the challenges faced and the profound opportunities lies in the Big Data analytics in agriculture: Outlined Big Data analytics models with numerical algorithms applied Represent the importance of reforming the mined data in the form of understandable information to the farmers. Discussed about various advances, tools and algorithms applied in transforming the data in to easily understandable information to the framers and thrown a light on success story of Netherlands in achieving the maximum crop yield and their smart forming practices. Also discussed about the control of invasive, parasitic and herbicide resistant weeds to improve the overall crop yield applying Big Data analytics |

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| 4. | Prediction of Crop Yield using Regression Analysis | V. Sellamand E. Poovammal | 2016 | Regression analysis was carried out to find the relationship among the parameters i.e Area under Cultivation (AUC), Annual Rainfall (AR) and Food Price Index (FPI) which influences the final crop yield and reported that the crop yield principally depends on the Annual Rainfall (AR) |
| 5. | A Study on Crop Yield Forecasting Using Classification Techniques | R.Sujatha, Dr.P.Isakki Devi | 2016 | Discuss the importance of comparing previous agricultural data with present to identify optimum condition favor enhanced crop yield. Envisaged the importance of best crop selection depending on the season and the climatic factors which supports enhanced crop yield. |