

Village Dynamics Studies Knowledge Bank

The Village Dynamics Studies Knowledge Bank is an online repository of panel data. This is a data warehouse, developed using the Microsoft SQL Server and Microsoft Business Intelligence tools. It is the first of its kind in the CGIAR system and also the first in the world for management of rural household survey data, providing online access to panel data. It is the single source repository of long-term household survey data collected by ICRISAT since 1975 for six village level study (VLS) villages in Andhra Pradesh and Maharashtra of India, and of all data collected through the Village Dynamics in South Asia (VDSA) project from 42 villages in India and Bangladesh (2009 onwards). The data is available for SAT India (1975-1984, 1989, 2001 onwards), East India (2010 onwards) and Bangladesh (2009 onwards).

Highlights of the Knowledge Bank with Business Intelligence system

- Summary Reporting
- User defined ad-hoc querying
- Raw data access
- On-Line Analytical Processing (OLAP) Facility
- Subscriptions/Alerts
- User feedback system
- Dash boards facility
- High level security
- Drill down and drill through report facility
- Supports the decision making system
- Web enabled front end
- Integrated and harmonized data management
- Pictorial representation of multiple reports in single screen
- Attractive presentation of reports: tables, graphs
- Differential access facility to different type of users
- Confidentiality of personal details



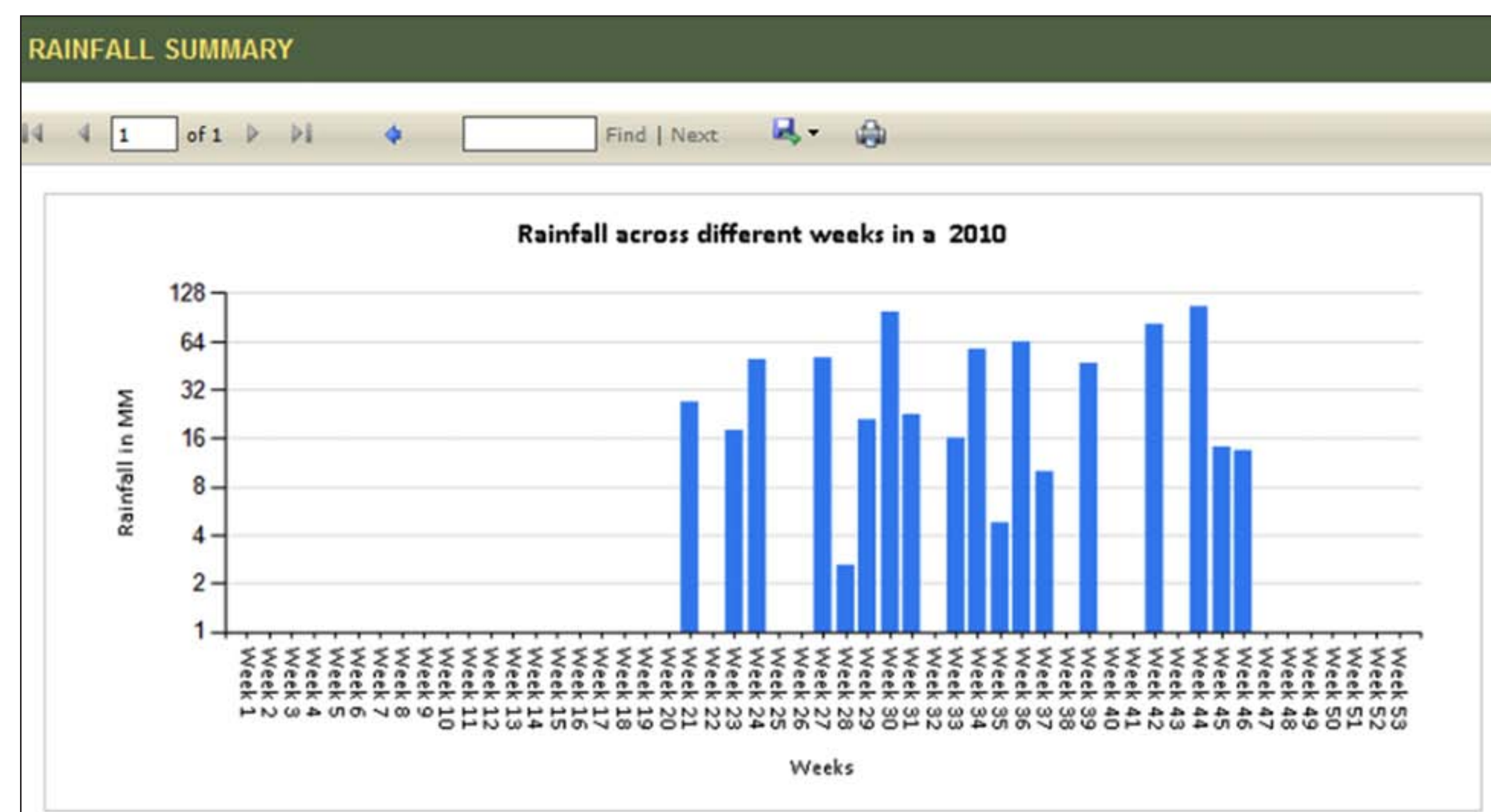
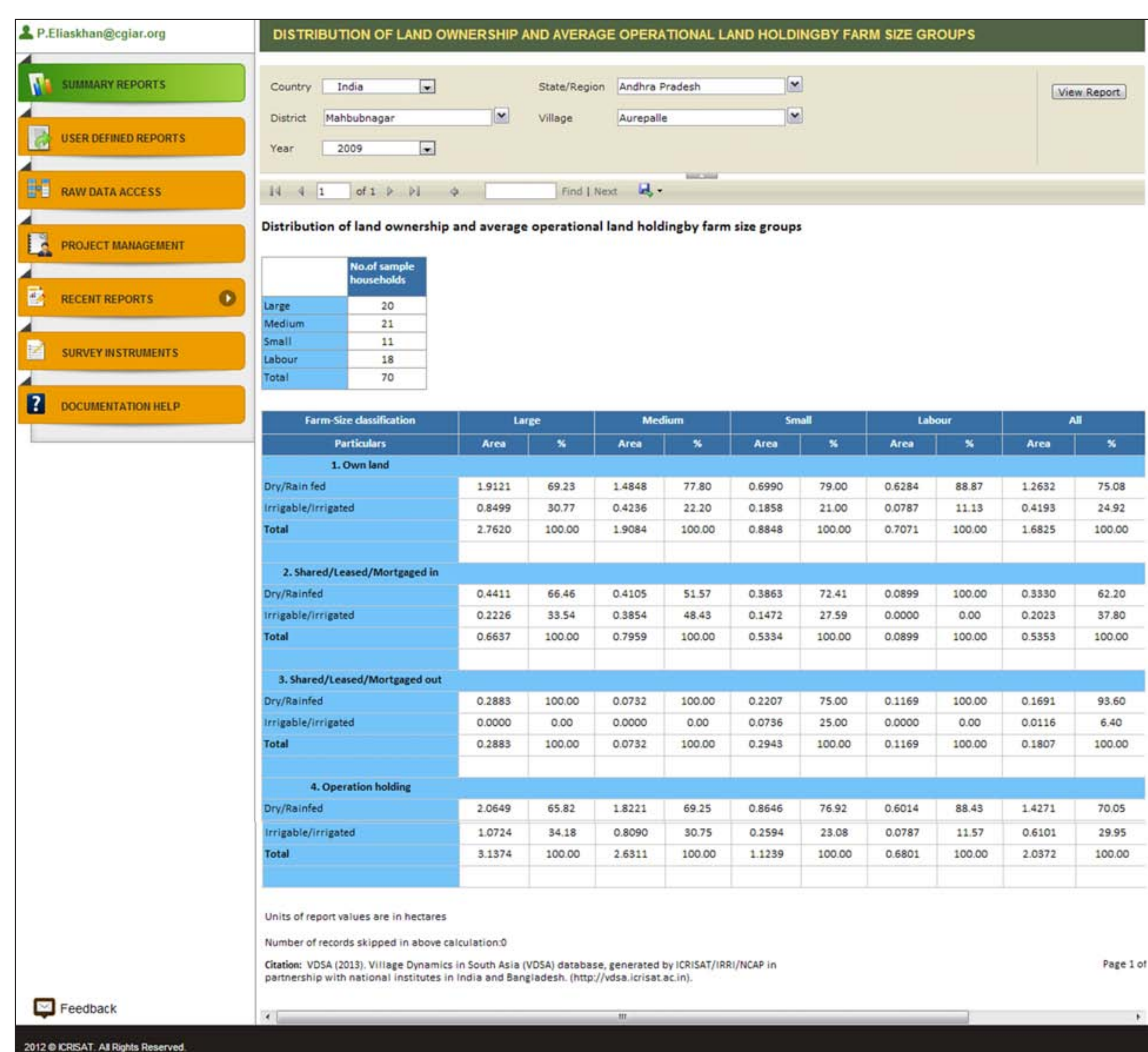
Features of the Knowledge Bank

- **Summary Reports** (pre-defined or canned): Reports on key indicators of rural economy such as household income by source and class, consumption and expenditure on food and non-food items, asset ownership and value, distribution of land ownership and rainfall.
- **User defined reports** (ad-hoc): Reports on various aspects of household economy, investments, government development programs, stock inventory, farmer's behavior and coping mechanisms, profitability in crop and livestock farming, employment and prices of essential commodities and agricultural inputs.
- **Raw data access** for direct download with detailed label names.
- **Project management** features will assist in enhancing performance and service delivery. For example, provides tools that help the project manager to obtain a pictorial representation of administrative reports.
- **RSS feeds**, which gives the latest updates regarding the knowledge bank.

List of summary reports

- Distribution of land ownership and average operational land holding by farm size groups
- Total value of assets per household by farm size
- Benefits received from government welfare programs
- Household borrowings, lendings and savings by farm size
- Source of information
- Average annual consumption and expenditure of food and non-food items
- Average labor wages
- Cropping pattern by season (*kharif*, *rabi*, summer, annuals and perennials) by year
- Average cropped area per household
- Income and expenditure of livestock husbandry
- Cost benefit analysis for cultivation of crop
- Household income by source and class
- Loss of income due to disasters
- Plot level summary
- Household level summary
- Rainfall summary
- Coping mechanisms

Summary Report using Microsoft SQL Server Report Builder



The VDSA project is conceptualized and led by ICRISAT, and is implemented jointly with the International Rice Research Institute (IRRI) and the National Centre for Agricultural Economics and Policy Research (NCAP), India, in partnership with the national institutes in these countries.

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Access the Village Dynamics Studies Knowledge Bank from the URL: <http://220.227.250.220>