# FARMER REGISTRATION AND UNIFIED BENEFICIARY INFORMATION SYSTEM

**In a nutshell:** Farmer registration and unified beneficiary information system (FRUITS) is a database of farmers across Karnataka. This new-age IT platform is facilitating faster and targeted delivery of agriculture related services to the farmers.

**Nodal Agency:** Government of Karnataka

FRUITS negates the limitations of manual and isolated IT systems by facilitating farmers registration based on Aadhaar. The database is being used across farm related departments of the State government of Karnataka. The FRUITS database acts as a one stop destination for accessing, among others, the following details of the farmers:

- Personal details including age, gender, address, caste etc.
- Land ownership details including survey numbers, acreage, land type etc. Land coordinates are plotted on a GIS portal.
- Details of benefits availed by a farmer under various schemes.
- Details of the crops grown in the land plots season by season.
- Soil health test reports for land parcels, including fertilizer recommendation.
- Crop insurance details.
- Location specific weather forecast for each land plot.

Apart from self-registration, registration through common services centers and NGOs, the data of farmers is obtained, among others, from the following portals:

- UIDAI (Aadhar)
- NPCI (Aadhaar seeding with bank account, payment status after DBT)
- BHOOMI (Land records)
- Soil Health Card database
- Crop survey data
- Atalji Janasnehi Kendra (Caste certificates)
- Kutumba (Family details)
- Karnataka State Natural Disaster Monitoring Center (Weather forecast for next 72 hours)
- Karnataka State Remote Sensing Applications Centre (Geospatial data)

FRUITS has broken new ground, and is being used for the following:

1. Helps in ease of administering minimum support price (MSP). Government just requires farmer ID to purchase farmers' produce. It is a single MSP registration module across all procurement agencies. Land details, crops grown, crop extent and financial address are fetched from FRUITS with no need of physical documents. It also helps in deciding locations of procurement centres.

2. FRUITS is being used as a common repository for provision of all agriculture loans, bringing all farmers under institutional finance. The department of financial services has endorsed the use of FRUITS portal for carrying out agricultural lending by banks. Also, the Ministry of Agriculture has directed NABARD to use FRUITS for finalizing interest subvention claims of various banks in Karnataka.

3. Kisan credit card (KCC) details are being compared with FRUITS data. List of farmers not having KCC in any bank is being provided to State level bankers' committee (SLBC) for covering under KCC.

4. Farmer-wise nutrient and fertilizer recommendation module is provided in FRUITS. It is automatically calculated using data already available with FRUITS. It has tremendous potential benefits. The Ministry of Fertilizer can regulate supply in accordance with the extent of land and crops grown. It would stop diversion of fertilizers. Also, soil health will be taken care of.

> FRUITS is being used to send targeted advisory services to farmers. Since FRUITS has information regarding an individual farmers' crops and livestock, it is being leveraged to send SMS on crop advisory, animal disease forewarning and vaccination advisories.

FRUITS has had a positive impact on the 3 stakeholders - government, farmers and the private sector. It stands today as a successful model in leveraging technology for effective delivery of government services.



Geospatial analysis of land plots

| District | Taluk | Hobli | Village | Survey No. | Owner No. | MainOwner No | Owner | Year | Season | Crop Name | Area |
|----------|-------|-------|---------|-----------|-----------|--------------|-------|------|--------|-----------|------|
| Chitradurga | Hosdurga | ದುದ್ಯೇದು | ಕ್ಕ್ರಾಂಡ್ಯ್ದಟಕ್ | 3/71A | 1 | 1 | ಇಿಲುದ್ಯ | 2021-22 | Kharif | Coconut | 4.8.0.00 |
| Chitradurga | Hosdurga | ದುದ್ಯೇದು | ಕ್ಕ್ರಾಂಡ್ಯ್ದಟಕ್ | 3/71A | 1 | 1 | ಇಿಲುದ್ಯ | 2021-22 | Kharif | Betel Nuts (Areca nuts) | 2.0.0.00 |
| Chitradurga | Hosdurga | ದುದ್ಯೇದು | ಕ್ಕ್ರಾಂಡ್ಯ್ದಟಕ್ | 3/71A | 1 | 1 | ಇಿಲುದ್ಯ | 2021-22 | Kharif | Moong (Green gram) | 2.8.0.00 |

**Sample of the crop details of an individual farmer**