# Comparison

## Article by goodfirms.co

[Link to the Article](#)

| Software | Free or Not | Open Source | Core Features | Deployment Mode | Business Support |
|---|---|---|---|---|---|
| farmOS | Free | Yes | Crop Management Labor Management Order Management | Open API | SMF |
| Tania | Free | Yes | Labor Management Pricing Management Planning & Budgeting | On-Premise Open API | SMF |
| AgroSense | Free | Yes | Planning & Budgeting Order Processing Soil Health Tracking | Open API | SF |
| LiteFarm | Free | Yes | Mapping Reporting & Analytics Crop Management | Cloud-Hosted Open API | SMF |
| ERPNext | Free Trial | Yes | Crop Management Livestock Management Weather Forecasts | Cloud-Hosted | SMLF |
| Granular | Free | No | Labor Management Order Processing Crop Management | Cloud-Hosted | SMF |
| FarmBrite | Free Trial | No | Crop Management Labor Management Planning & Budgeting | Cloud-Hosted | SML |

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[ERPNExt](#), [Granular](#), [FarmBrite](#) are irrelevant to us because they are only cloud-hosted. We are unable to modify it. EDIT: [ERPNExt](#) can be self-hosted!

## farmOS

- [FarmOS](#)
- active development
- Good User Documentation
- Good Tech Documentation [Link](#)

**farmOS**

- Repo
- current stable: 7.x-1.7
- newest: 2.0.0-alpha1 (April 2021)
- web-based application for farm management, planning, and record keeping
- aims to provide a standard platform to build upon
- Tech Stack:
    - Drupal (PHP)
    - RESTAPI
- Mapping
- Event Logging
- Asset Management:
    - Platings
    - Sensors
    - Compost
- Inventory Tracking
- Multiple Users

**farmOS-client**

- Repo
- lightweight application for connecting to a farmOS server ram any mobile device
- hybrid-app (browser + native (iOS/Android))
- day-to-day and in-the-field record-keeping that stores data locally for **offline use**, and **syncs back** to a farmOS server when internet access is available
- Tech Stack:
    - Vue
    - Cordova

**farmOS.js**

- Repo
- JavaScript Library for fetching data from farmOS Server
- currently unstable (intended for FarmOS-client)
- Tech Stack:
    - JS
    - Axios
- in development
- also available for python Repo

# Tania

- Tania
- Repo
- No active development on the latest version (last commit 17 Oct 2020)
- Currently v2.0 in development
- Tech Stack:

- Go
- MySQL
- NodeJS
- Vue
- Bootstrap
- User Documentation
- No Tech Documentation
- Good IoT integration
- Tasks
- Production
- Inventories
- Crop Tracking

## AgroSense

- AgroSense (TLS-Cert expired)
- Less crop managment
- More health / soil management
- Repo somewhere on BitBucket but I could not access it (maybe new account needed)
- Bad website near to no information

## LiteFarm

- LiteFarm
- Repo
- Tech-Stack:
    - Postgres
    - React
    - Node
    - Express
    - Docker
- No real documentation (some (very few) inline comments)
- Mobile Optimized
- Tasks + Notfications
- simple + "map-based" interface
- operations, inventory, and payroll
- audits and verifications easy by inviting verification
    - I´m currently not sure if everyone can be invited or just some specific ones
    - The website just mentioned the organic certification
    - Is this an international standard? I don't know.
- The website has not that much information on it
- Roadmap available
- Seems modern and simple
- Will need some time to get it modified because of the missing documentation

## ERPNext

- ERPNext

- Repo
- Made for many different working areas
- Agriculture one of them
- Active development
- Tech Stack:
    - Python
    - MariaDB
    - JavaScript
    - Docker
    - Traefik
    - NGINX
- Some documentation for customizing
    - Most customization over the GUI
- 70+ Analysis Criteria (Get analytics for crops, plants, soil, water, and weather. ERPNext helps record not only your crops and fertilizers but also orders and invoices.)
- Crop Cycle
- Location / Mapping
- Multilingual
- No out of the box sensor integration
- Developer API
    - Python
    - JS
    - REST API
- !!Project Management!!

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