

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 from 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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