

# 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<br>Labor Management<br>Order Management          | Open API                 | SMF              |
| Tania     | Free        | Yes         | Labor Management<br>Pricing Management<br>Planning & Budgeting   | On-Premise<br>Open API   | SMF              |
| AgroSense | Free        | Yes         | Planning & Budgeting<br>Order Processing<br>Soil Health Tracking | Open API                 | SF               |
| LiteFarm  | Free        | Yes         | Mapping<br>Reporting & Analytics<br>Crop Management              | Cloud-Hosted<br>Open API | SMF              |
| ERPNext   | Free Trial  | Yes         | Crop Management<br>Livestock Management<br>Weather Forecasts     | Cloud-Hosted             | SMLF             |
| Granular  | Free        | No          | Labor Management<br>Order Processing<br>Crop Management          | Cloud-Hosted             | SMF              |
| FarmBrite | Free Trial  | No          | Crop Management<br>Labor Management<br>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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Last update: **2021/08/24 17:34**

