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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