

CROPPLAN

FAIRWAY partner: Ingrid Nesheim, Caroline Enge (NIVA, NO)



Brief description

CropPlan is a comprehensive planning tool that provides an overview of crops, machinery, tools and stocks on individual farm level. The online tool is compatible with different machine GPS systems and the smartphone app MyFarm. Calculates optimal fertilizing (N, P, K), financial costs / profitability and can be used to register pesticide use, soil samples and KSL (agricultural quality assurance) information.

Contaminants covered (e.g. nitrate, pesticides etc.)	N, P, K, pesticides
Intended end users (e.g. farmer, water quality manager, policy maker)	Farmers
Level of expertise and/or training required	Farmers
Geographical resolution (e.g. field, catchment, national)	Field
Temporal resolution (e.g. daily, annual, long-term).	Daily
Real-time component (e.g. live weather data, soil moisture data feeds etc.)	No
Number and type of mitigation measures included	fertilizing, pesticide use.
Platform (e.g. paper-based tool, phone app, bespoke software).	Online platform and smartphone app.
Frequency of updates	Regularly updated.
Cost/availability	1000 NOK/year (+ 3 NOK/daa), 3 months free trial.
Number of users or number of copies distributed/downloaded/purchased	5000 users in Sweden (2019), not known how many users in Norway (Cropplan was launched in Norway in 2019).
Links to demo material and other relevant information (e.g. user guides).	https://www.felleskjopet.no/medlem/tjenester-og-verktoy/cropplan/ https://datavaxt.com/no/cropplan-og-logmaster-styringsverktoy-for-effektive-bonder/ https://vimeo.com/357356016
Additional comments	

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Input data required to run the DST	Field and crop information, (soil analysis), N, P and K content/needs, fertilizer information, pesticides used, machinery, tillage GPS location of machinery (additional app/function).
Outputs (including links to water quality and economic or financial aspects)	Optimal fertilizing Economic overview / profitability Statistics on pesticide use, soil samples, tillage Stocks left of inputs.
Age/provenance of supporting data used to develop the DST	Dataväxt AB was founded in 1996.
Country-specific calibration or data requirements (including restrictions on use)	Dataväxt is originally Swedish, but has been adapted to Norwegian conditions and regulations by Felleskjøpet AS.
Details of validation and testing	Information unavailable
Date developed/released (or planned release date)	Information unavailable
Author/developer names and affiliations	Dataväxt AB / Felleskjøpet AS.
Member state(s) where developed	Sweden (adapted Norwegian version)
Member State(s) where currently used	Sweden, Norway, Finland
Key publication references (including url)	https://www.felleskjopet.no/medlem/tjenester-og-verktoy/cropplan/ https://odling.datavaxt.se/login

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Any other useful information (e.g. screenshots of DST input/outputs)



