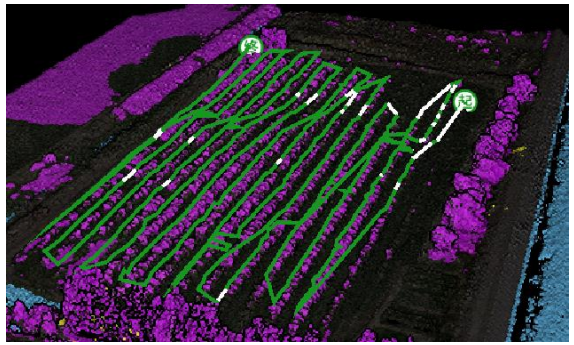
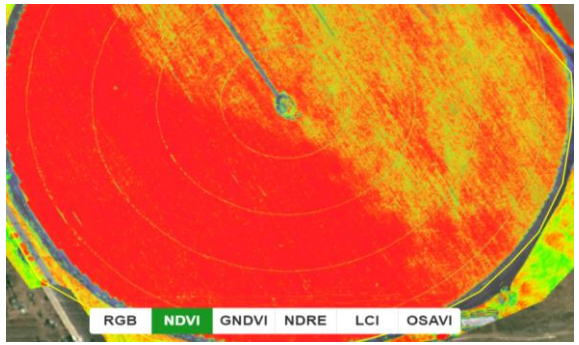
DJI SmartFarm Web

One-stop Solution for Field Scouting and Spraying

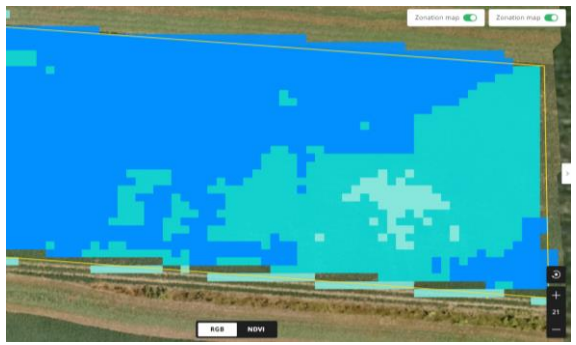
Image Cloud Processing



Orchard Mission Planning



Field Scouting



Variable Rate Prescription

CONTENTS

1 DJI SmartFarm Web Introduction

2 Workflow Tutorial

3 Supported Drone Models

4 SmartFarm Web Benefits

5 SmartFarm Web vs SmartFarm App

6 Free Trial

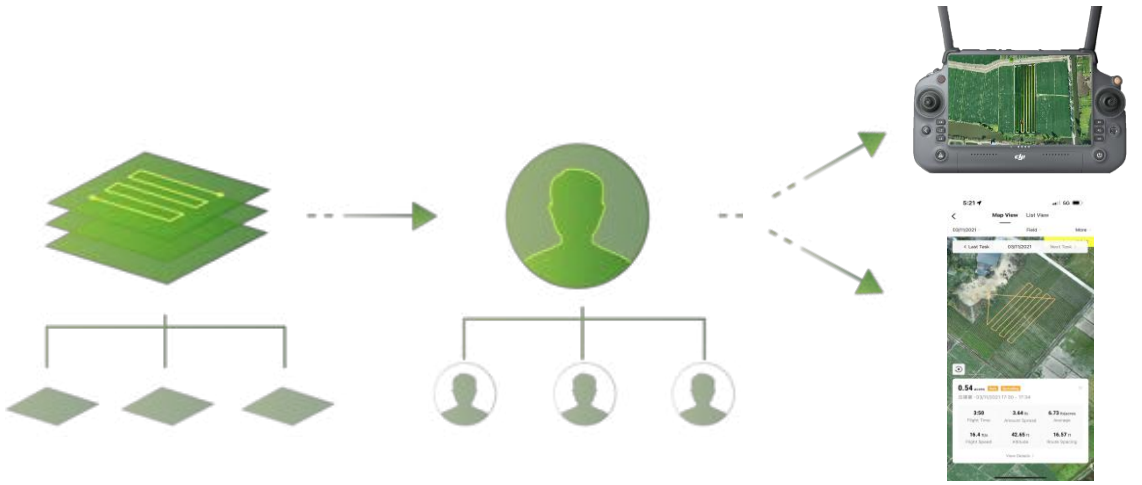
DJI SmartFarm Web Functions

DJI AGRICULTURE

Image Cloud Processing

Processing mapping drone images to generate high resolution imagery, 3D orchard model and multispectral imagery.

- Cloud computation
- Cloud data storage
- High resolution basemap
- Cross account data sharing



AGRAS APP

SmartFarm APP

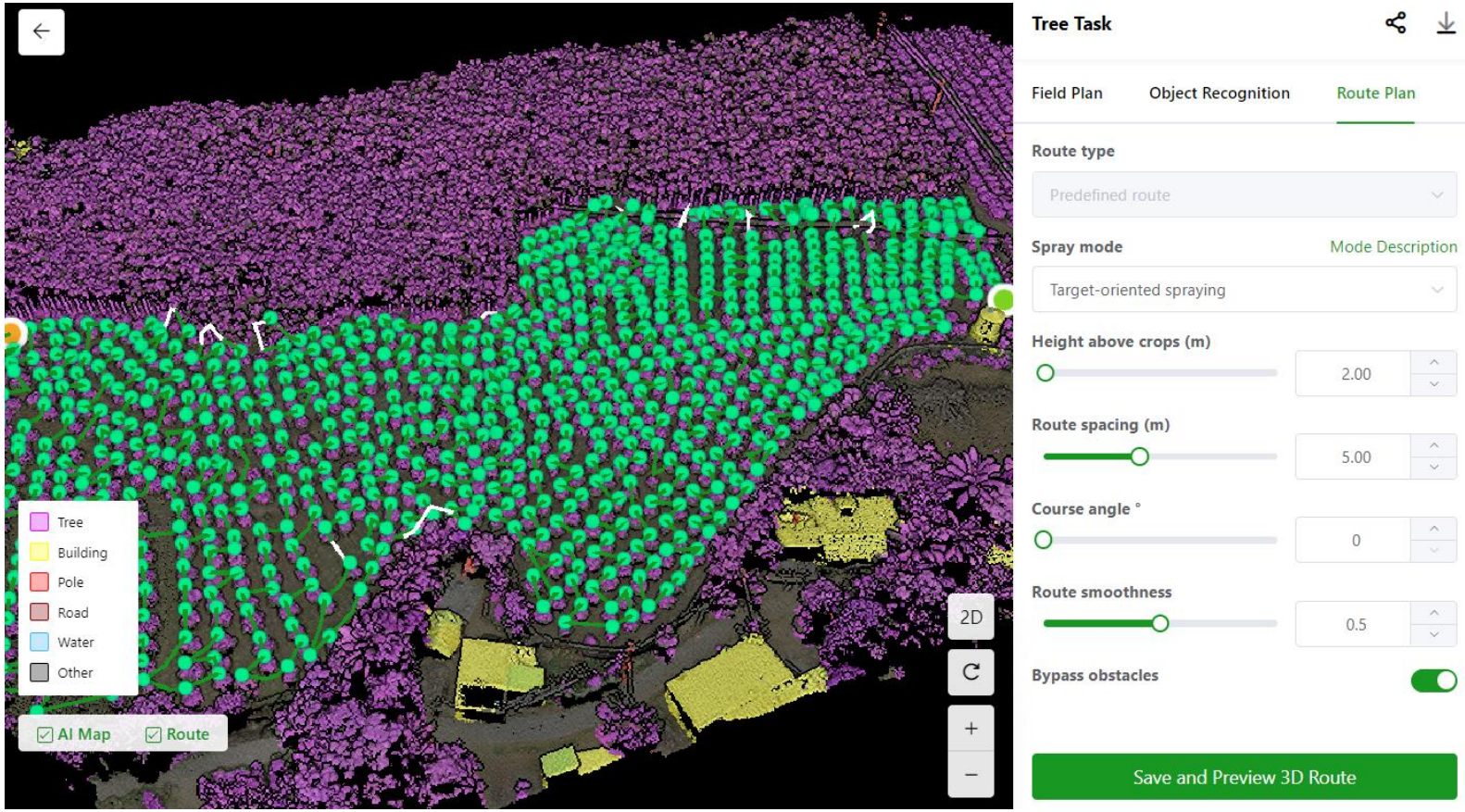
DJI SmartFarm Web Functions

DJI AGRICULTURE

Orchard Mission Planning

Generating 3D flight paths for AGRAS drone for full coverage or tree crown spraying

- Safer, faster, higher precision
- Team collaboration
- Cross device operation

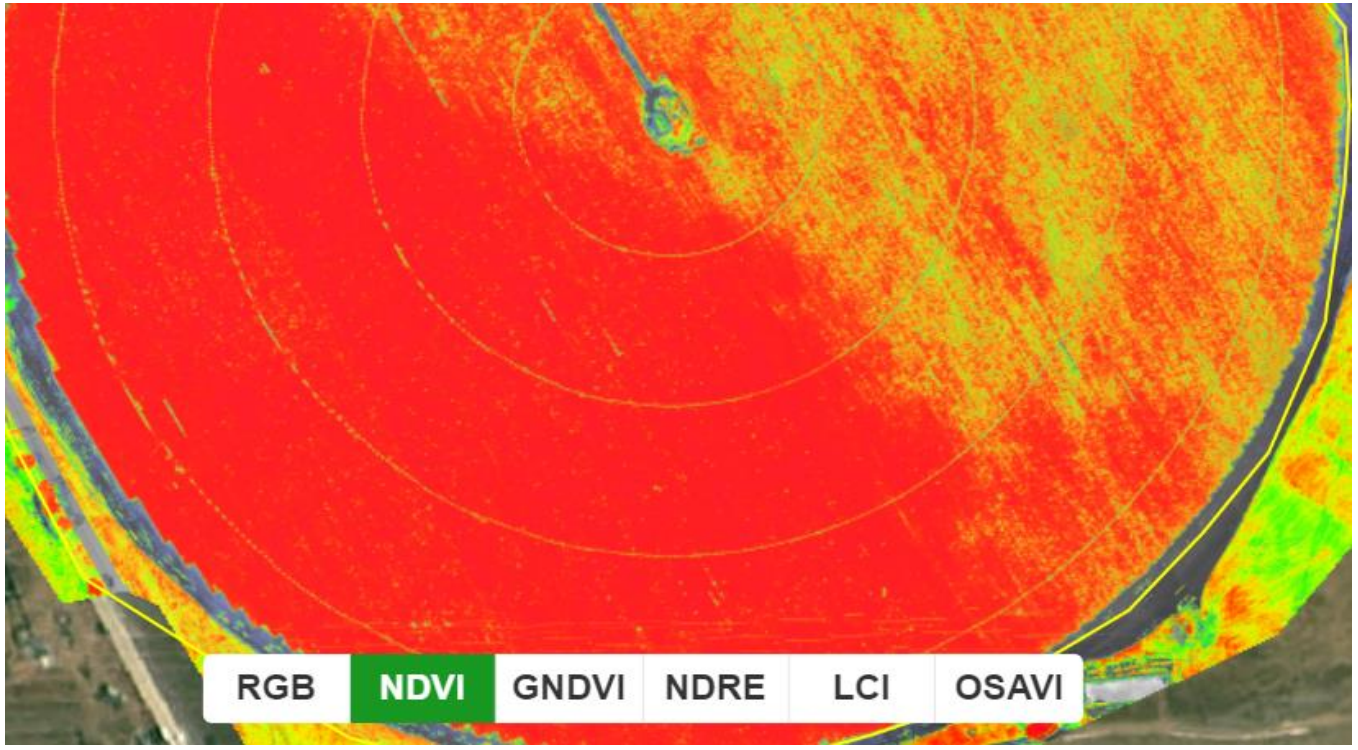


DJI SmartFarm Web Functions

Field Scouting

Monitoring and documenting crop growth and field condition with multispectral imagery or high resolution drone imagery

- Faster scouting, digital documentation
- NDVI and common vegetation indices
- Bird-eye and nadir view drone imageries
- Auto upload from drone to cloud



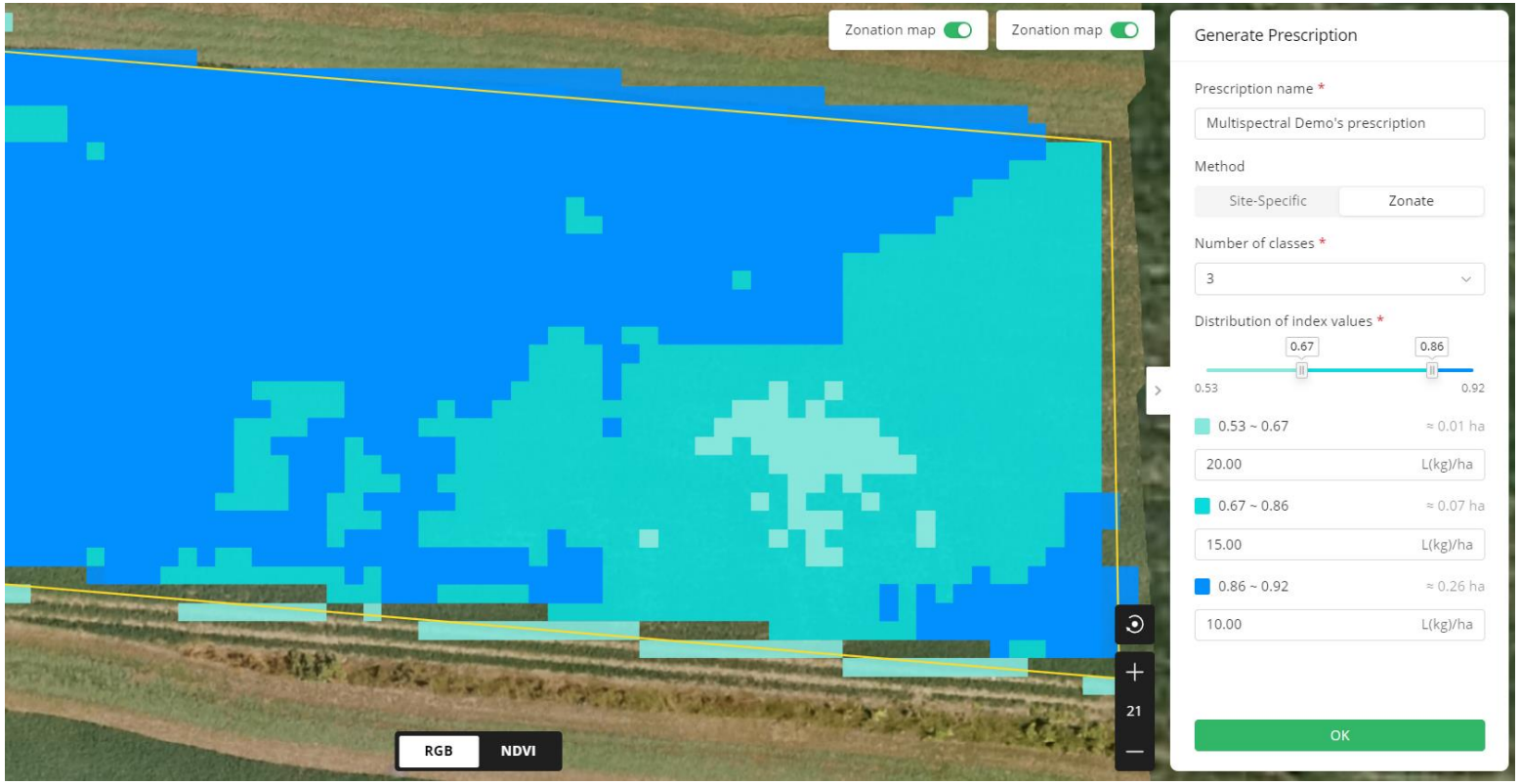
DJI SmartFarm Web Functions

DJI AGRICULTURE

Variable Rate Prescription

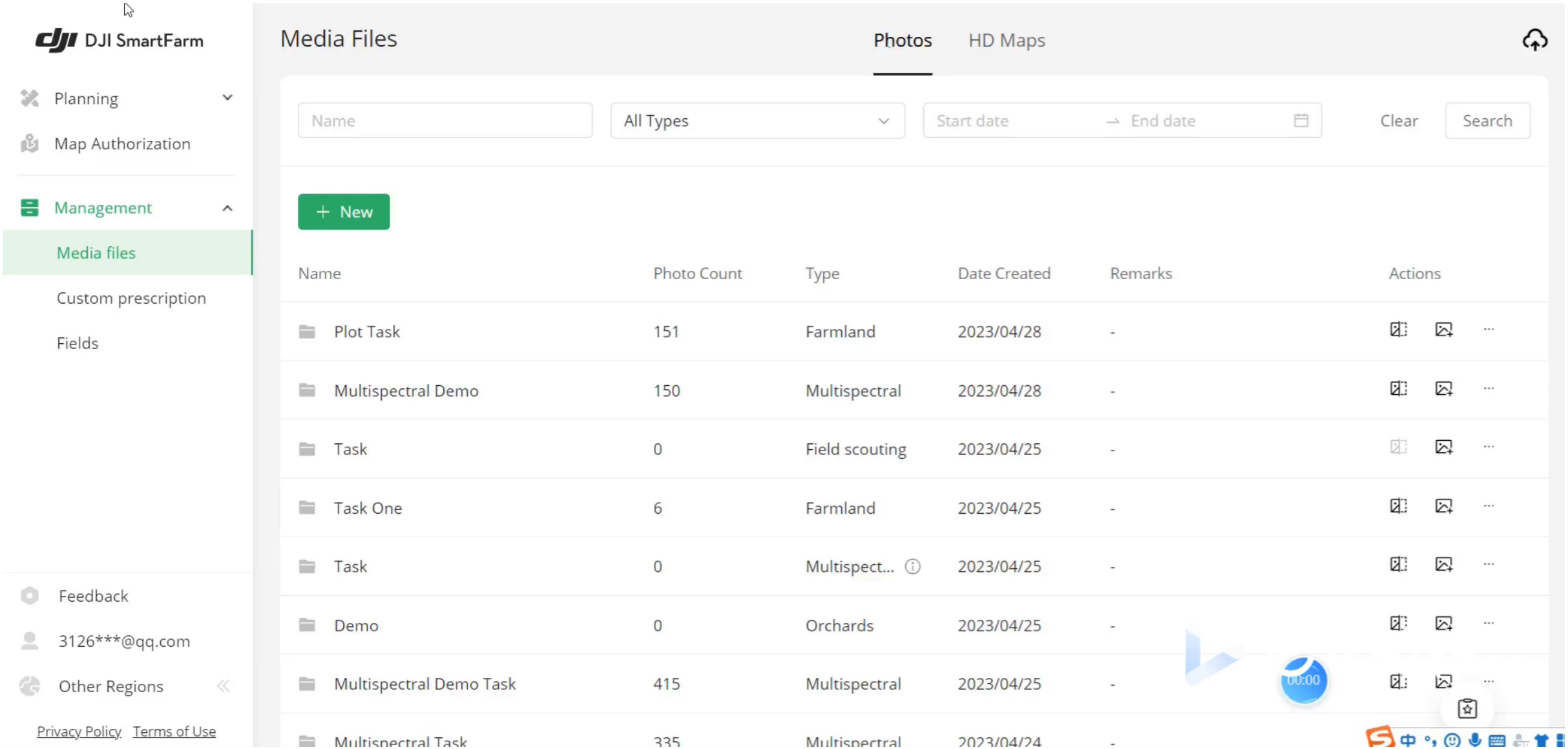
Generating variable rate or spot spraying prescription maps based on NDVI map

- Less cost, higher yield
- Cloud sharing
- Custom prescription supported



Workflow Guide - Image Processing

DJI AGRICULTURE

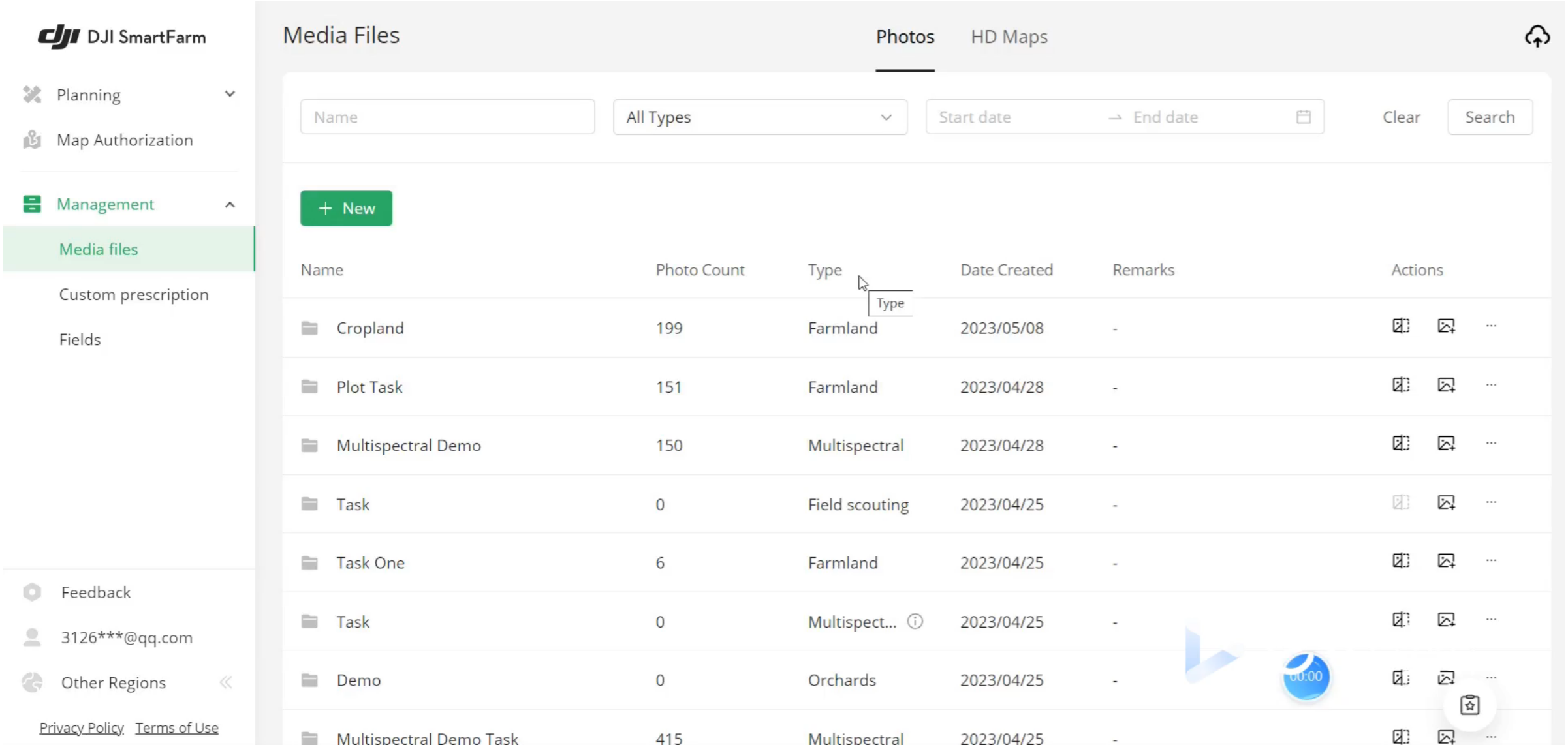


Workflow Guide – Custom basemap on AGRAS app

AGRICULTURE

Workflow Guide – Orchard Mission Planning

DJI AGRICULTURE



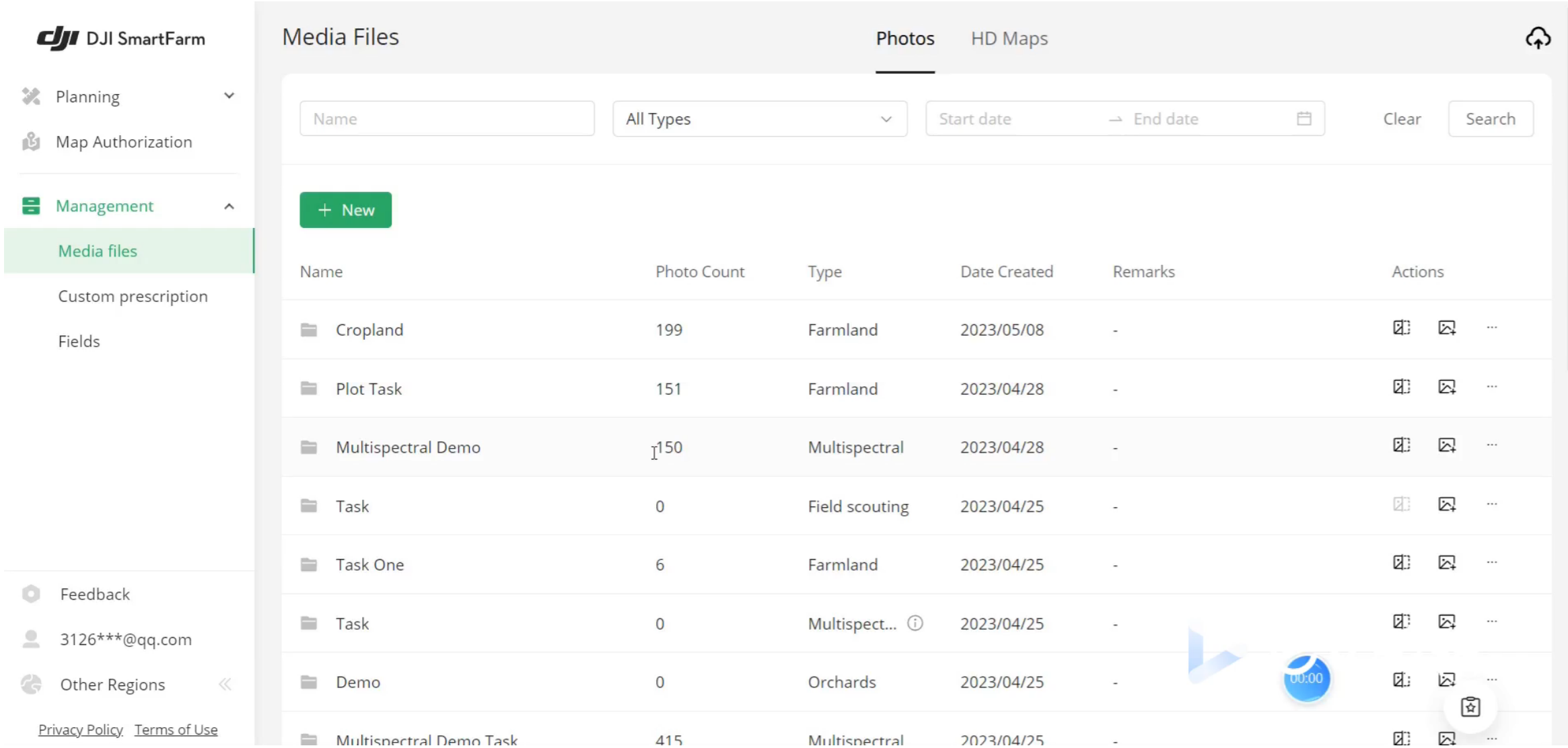
Workflow Guide – Orchard Mission Planning

AGRICULTURE

Better Growth, Better Life

Workflow Guide – Multispectral & Variable Rate Prescription

DJI AGRICULTURE



Workflow Guide – Multispectral & Variable Rate Prescription

DJI AGRICULTURE

Better Growth, Better Life

Supported Drone Models

Module	Feature	Supported drone model
Image processing	RGB orthomosaic image reconstruction and orchard 3D model reconstruction	M3M, M3E, P4M, P4R
Image processing	Multispectral image processing	M3M, P4M
High resolution basemap	Use processed RGB orthomosaic image as basemap on AGRAS app and SmartFarm App	T40, T20P, T30, T10
Orchard mission	Send orchard mission to AGRAS drone to do orchard mode spraying	T40, T20P, T30, T10
Variable Rate Prescription	Send variable rate prescription map to AGRAS drone to do variable rate spraying/spreading	T40, T20P

DJI SmartFarm Benefits

DJI AGRICULTURE

- **Spraying Service Providers**

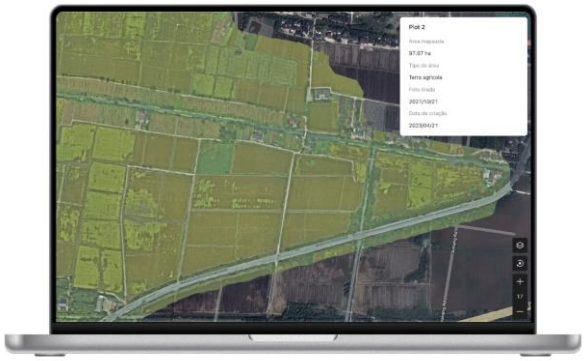
- **Commercial farm managers**

- **Agriculture consultants**

- **All-in-one platform for multiple tasks**
- **Cloud computing, data storage, and auto-sync**
- **Stay connected with teammates and clients**
- **Access anytime anywhere**

SmartFarm App

- Mobile app
- Spraying management – operation data tracking, team management, device management, field management



SmartFarm Web

- Web app
- Image processing and spraying mission planning

Free Trial for 1 year with M3M or AGRAS purchase
Submit trail application at www.djiag.com, approval in 24 hours

Mavic 3 Multispectral

DJI SmartFarm Web

DJI AGRAS

DJI SmartFarm Web: www.djiag.com