



**DroneAG**<sup>®</sup>   
FARMERS WHO KNOW DRONES

# Using Your Farm Drone

COURSE DETAILS AND JOINING INSTRUCTIONS

## Using Your Farm Drone

Our 2 day course is designed and built by a team of drone experts and farmers to teach you how unlock the power of your drone as a useful farm tool.

- Schedule:
1. Mapping Basics
  2. Crop Scouting and GAI
  3. Measurement Tools
  4. Livestock Monitoring

*NOTE: Schedule subject to be moved around depending on weather!  
Drone systems used should be DJI Mavic series, Phantom 3, 4 or 5 series, Inspire series or Matrice series.*



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## Before the Course

If you own a DJI drone, please bring it along with batteries charged and ready to go. If not, don't worry, we can provide one for you to use.

*Please note that we do not teach you how to fly a drone manually on this course, while we can teach the basics to a level where you can begin mapping, we do recommend getting tuition and experience flying manually if you haven't already!*

Please bring a smart phone or, preferably a tablet (we like iPads!). And install the following apps:

- DJI GO 4
- DroneDeploy

If you don't have accounts, launch both apps and sign up for a free account.

Please let us know your Dronedeploy account email so that we can share relevant maps with you for the course.

As part of the course, we offer a discount of £50 if you wish to subscribe to a paid DroneDeploy account. Please ask for more details, or use the code 'UYFD50' when purchasing DroneDeploy through our online store.

## Accommodation

If you haven't yet booked accommodation, please ask as we may have space in our catered cottage. This is booked on a first-come, first-served basis and is exclusive to one company/booking at £100 per person.

Otherwise, we highly recommend the Percy Arms in Chatton, 5 mins away. It is a great pub with nice rooms and good food.

<http://percyarmschatton.co.uk/>

There is a great B and B in the town of Wooler 10 mins away, called The Old Courthouse.

<http://www.theoldcourthousewooler.co.uk/>

A little further away in the town of Alnwick. The Hogs Head Inn is a great larger hotel, or the newly opened Cookie Jar is highly recommended if you are looking for somewhere extra nice to stay.

<http://www.hogsheadinnalnwick.co.uk/>  
<http://www.cookiejaralnwick.com/>

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## Travel

Training takes place at the Drone Aerial Ops base at East Lilburn Farm.

We are roughly 45mins north of Newcastle, and 15mins north-west of the town of Alnwick.

The post code NE66 4ED should take you almost directly to our location with Sat Nav.

Driving (from the South): Take the A1 north after Newcastle, then after Morpeth (25mins) take the A697 towards Coldstream, after going through the village of Powburn (20mins) continue north towards Wooler and take the third turning right (five miles south of Wooler) signposted to East Lilburn. Two miles along here turn right towards the farm. You will find The Steadings on your right after some large sheds, with parking sign-posted.

Driving (from the North): Head towards the town of Wooler (either South on the A697 or A1). Drive through Wooler and continue south on the A697 for 2 miles, after a small bridge turn left towards Lilburn, follow this road around to the right, up a hill, left and down the hill to the farm, you will find The Steadings on your right after some large sheds, with parking sign-posted.

Train/Flying:

Our closest Train stations are Alnmouth and Berwick-upon-tweed, we are happy to collect you from either should you wish, please let us know in advance. Our closest Airport is Newcastle (NCL). We can offer collection from here at extra cost.

## Arrival

Unless otherwise agreed, training will run from 09.30 – 16.30 both days.

There will be breaks at appropriate points during the day for refreshments and a sandwich lunch will be provided both days

Please let us know of any specific dietary requirements if you have not already.

## Weather

*What if its raining, or too windy to fly?*

Don't worry! While its not ideal, we almost always find some break in the weather to fly. We can also use a simulator for the actual drone flying bit, and venture out into the fields for planning and analysis.

So se sure to bring suitable clothing - as we will be out even in the rain/snow/ or sunshine (hopefully!)

## Course Contents



### DRONE BASICS

- Safety Briefing
- System Capabilities
- Best Practices

### MAPPING

- Automated Flight
- Software Options
- Process Overview
- Flight Planning
- Prep
- Pre Flight
- Flight
- Post Flight
- Error Scenarios
- Site Survey Form

### ANALYSIS

- Image Processing
- Data Upload
- Navigation
- Viewing the Data
- Scout Markers
- Elevation Map
- Targeted Scouting
- Zones and Vari N
- Vari N Final Steps

### MEASUREMENT TOOLS

- Applications
- Tools Overview
- CS / RPA
- Damage Evaluation
- Buildings & Yards
- Flood Defence
  
- Livestock

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