Yield Maps

Contour User Guide October 2022





RHIZA

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Uploading Yield Maps



Select 'Upload' button in Yield Map panel of Maps and Analysis

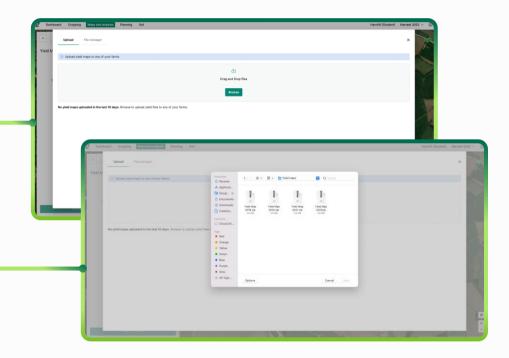
To upload yield maps into Contour, click 'Select imagery' > 'Yield Map' in Maps and Analysis and then select the upload button.

NOTE: This is also how to access the file manager tab and see the status of previous uploads.





Upload tab - Browse for files to upload



The upload tab is where you add new files to the system.

Browse your computer to select your yield map files, then click 'Open'.

NOTE: Files should be contained in a zipped folder for upload.

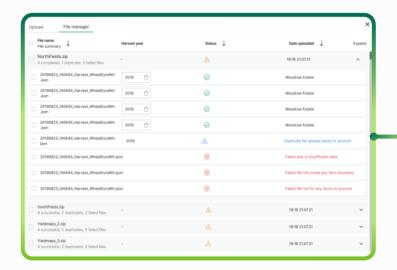


Upload tab- Ease of use

The upload process is designed to do all the hard work, instead of the user.

Contour detects each file contained within the uploaded .zip folder, whether historic or current, and sorts the yield files from any ancillary files. It uses each file's spatial data to identify a match with any boundary in the account, even across different field groups. It also identifies the correct harvest year from each file's stamp.

Regardless of whether multiple combines have been working in a field, or the same combine on different days, Contour seamlessly stitches the yield files together into one map.





Upload tab - Processing uploads

ashboard Cropping Maps and analysis	Planning Soil		Bendysh Hall 🗸	Harvest 2022
Upload File manager				×
① You can close your browser whilst files of	ontinue to process in the background.			
Drag and drop more files Browse				
File name	Status	Uploaded		
2020 yield (1).zip	Processing	02:30 07.07.2022		

Each file shows its status while it is uploading and then processing.

Once each file has processed successfully it is moved to file manager automatically.

NOTE: Once status has changed to 'Processing', users can safely navigate away from the page and come back later to check progress. Large files can take up to an hour to process.



Upload tab - Failed uploads

Upload processing can fail if files are invalid, incompatible, corrupted or a duplicate of others on the system.

Failed uploads will be visible in the upload tab for 10 days so the reason for failure can be examined. After 10 days the failed uploads are removed from view.

Upload File manager		×
 Upload failed. Please try again or contact your and 	ccount manager if you require a	ssistance.
Drag and drop more files Browse		
File name	Status	Uploaded
yieldmap.zip	Failed A	10:35 06.07.2022
20210922_043609_Harvest_Barley.json	8	Failed file not inside any farm boundary
20210922_043614_Harvest_Barley.json	۲	Failed file not inside any farm boundary
20210925_064626_Harvest_Barley.json	\otimes	Failed file not inside any farm boundary
20210927_055716_Harvest_Barley.json	۲	Failed file not inside any farm boundary



File manager tab - View successfully processed uploads

Uplo	File manager				×
0	File name File summary	Harvest year	Status	Date	Expand
10	CLARO0145 - 2 yield files diff manufact. 77 successful, 80 duplicates, 49 failed files		Contains files with errors	05:42 29.06.2022	~

Files that have processed successfully are visible in file manager.

The overview of each upload shows the overall upload 'file name' (i.e. the name of the uploaded .zip folder), overall processing status, date of upload, a button to expand and examine the individual yield map files in the upload, and a breakdown of each individual yield map's status.



File manager tab - View individual yield maps within processed uploads

Contour automatically detects the correct field and harvest year for each individual yield map in an upload.

Expanding the overview of an upload in file manager shows the name, harvest year (which can be modified), status, and farm for each individual yield map in that upload.

File name File summary	Harvest year	Status	Date	Expa
CLAR00145 - 2 yield files diff manufact. 77 successful, 80 duplicates, 49 failed files			05:42 29.06.2022	^
20190828_080239_Harvest_Beans- Field.json	2019 🗸	\odot	Bendysh hall	
20190827_215601_Harvest_Beans- Field.json	2019 🗸	\odot	Bendysh hall	
20190828_092349_Harvest_Beans- Field.json	2019 🗸	\odot	Bendysh hall	



File manager tab - Status of individual yield maps

CLARO0145 - 2 yield files diff manufact 77 successful, 80 duplicates, 49 failed - files	1		05:42 29.06.2022	^
20190729_171246_Harvest_Oilseed.json	2019 🗸	C All yield files successfully uploaded	Little Biggens	
CLARO0145 - 2 yield files diff manufact 77 successful, 80 duplicates, 49 failed - files	6		05:42 29.06.2022	^

T	20190722_124213_Harvest_Barley- Winter.json		Duplicate file already exists in account
	20190723_105826_Harvest_Barley-	Duplicate file already exists in account	Dunlicate file already exists in account

	77 successful, 80 duplicates, 49 failed - files	Δ	05:42 29.06.2022	^
• 3	20190823_100844_Harvest_Wheat- Winter.json	8	Failed file not inside any farm boundary	0
C	20190826_142803_Harvest_Wheat.json	Failed file not inside any farm boundary	Failed due to insufficient data	

Individual yield maps will show as successfully uploaded, rejected as a duplicate, or failed for a reason given in their status.



File manager tab - Delete successfully processed files

Whole uploads and/or individual yield maps can be deleted by selecting them with the checkbox on the left side of the file manager and clicking the delete button. Users are prompted to confirm, since deletion cannot be undone.

Upload File manager				
- 1 File selected Delete	Harvest year	Status	Date	Expa
 CLAR00145 - 2 yield files diff manufact. 77 successful, 80 duplicates, 49 failed files 		٨	05:42 29.06.2022	^
20190901_160812_Harvest_Oats.json	2019 🗸	\oslash	Meesdenbury Hall	
20190902_145533_Harvest_Oats.json	2019 🗸	ø	Meesdenbury Hall	
20190731_140449_Harvest_RapeSeed son	j	۸	Duplicate file already exists in accou	int
20190731_195254_Harvest_RapeSeed. son	j	۸	Duplicate file already exists in accou	int
20190722_124206_Harvest_Wheat- Winter.json		۸	Duplicate file already exists in accou	int
20190723_105821_Harvest_RapeSeed. son	j	۵	Duplicate file already exists in accou	int
20100723 194459 Harvest Barley-				

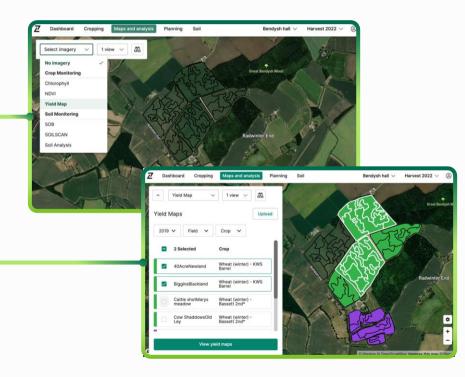
Uplo	ad File manager						×
•	1 File selected Delete	Harvest	year	Status		Date	Expand
•	CLARO0145 - 2 yield files diff manufact 77 successful, 80 duplicates, 49 failed files		Delete 1 yield file?		×	05-42 29.06.2022	^
	20190901_160812_Harvest_Oats.json	201	20190731_140449_Harvest_F	apeSeed.json		Meesdenbury Hall	
	20190902_145533_Harvest_Oats.json	201				Meesdenbury Hall	
	20190731_140449_Harvest_RapeSeed. son	1	This action cannot be undon	B.		Duplicate file already exists in acc	ount
	20190731_195254_Harvest_RapeSeed. son	i		Cancel	Delete files	Duplicate file already exists in acc	ount
	20190722_124206_Harvest_Wheat- Winter.json		-	۵		Duplicate file already exists in acc	ount
	20190723_105821_Harvest_RapeSeed, son	i				Duplicate file already exists in acc	ount
	20100722 198850 Harvort Barlov-						



Field Analysis



Navigate to yield maps in Maps & Analysis



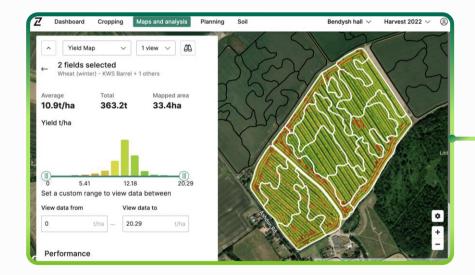
Select yield maps in Maps & Analysis, then select fields of interest and click 'View yield maps'.

This will load yield maps from the selected harvest year for the fields selected.



View yield maps

Average yield, total yield, mapped area and yield distribution for selected fields are shown in the left-hand panel, with a map displayed on the right. This offers a quick, top line overview of performance for the area selected.

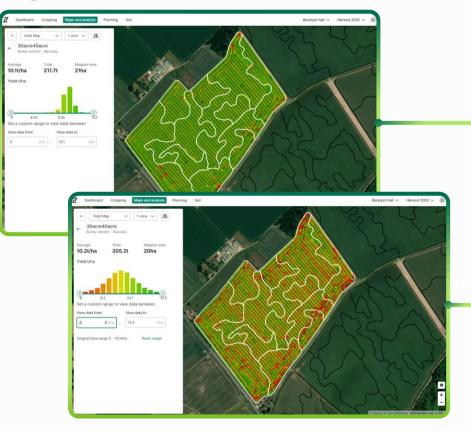




View data only within a custom range

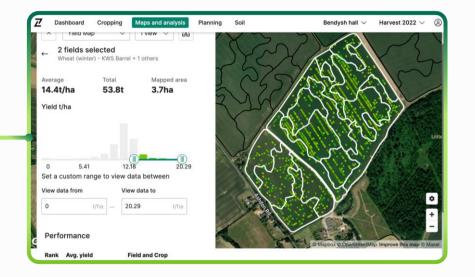
Setting a custom range tells Contour to ignore data outside the selected limits, meaning yield distribution and colour scale are re-calculated for the remaining data.

Users can then examine variations within a smaller range in greater detail, and/or remove outliers and skews in the data. Use the input boxes to set upper and lower limits. Users can reset the range with the button below the set range controls.





View specific parts of the data but maintain colour scale



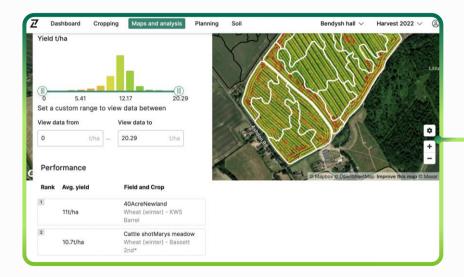
Users can focus on certain parts of the data they are viewing (e.g. high-yielding areas only), while preserving the colour scale used in the full data range by moving the sliders on the distribution histogram. Use this to focus on areas of interest by removing datapoints that aren't relevant.



Selected fields are ranked by yield

The yield and crop in each field is listed in a table below the range controls.

This lets users identify their best performing fields at a glance.





Supported file formats



Supported file formats

Brand	Format name	Yield	File Extensions	File upload help descriptions
AGCO	FieldStar II	1	TaskData.XML, TLG#####.bin, TLG#####.xml	This is a multi-file ISO11783 compliant format. You must upload a zip file which contains the TaskData.XML file as well as all of the TLG#####.BIN and TLG#####.XML files from the same directory.
AgLeader	YM2000	√	*.YLD	This is a single-file format. You may upload an individual YLD file or a zip file containing multiple YLD files.
AgLeader	PF3000 / PF Advantage	✓ *.PFL This is a single-file format. You may upload an individual PFL file or a zip file containing m		This is a single-file format. You may upload an individual PFL file or a zip file containing multiple PFL files.
AgLeader	Insight	√	*.ILF	This is a single-file format. You may upload an individual ILF file or a zip file containing multiple ILF files.
AgLeader	Integra	~	*.AGDATA or *.AGSETUP	This is a single-file format. You may upload an individual AGDATA/AGSETUP file or a zip file containing multiple AGDATA/AGSETUP files.
AgLeader	Compass	~	*.AGDATA or *.AGSETUP	This is a single-file format. You may upload an individual AGDATA/AGSETUP file or a zip file containing multiple AGDATA/AGSETUP files.
AgLeader	InCommand	~	*.AGDATA or *.AGSETUP	This is a single-file format. You may upload an individual AGDATA/AGSETUP file or a zip file containing multiple AGDATA/AGSETUP files.
AgLeader	SMS Advanced export	√	*.TXT	This is a single-file format. You may upload an individual TXT file or a zip file containing multiple TXT files.
AgLeader	SMS Basic export	√	*.TXT	This is a single-file format. You may upload an individual TXT file or a zip file containing multiple TXT files.
AgLeader	SMS Shape Export	√	*.SHP, *.SHX, *.DBF	This is a shape file format. You must upload a zip file which contains the SHP, SHX, and DBF files which make up the shapefile. You may include multiple shapefiles in the same zip as long as all of the companion SHP, SHX, and DBF files are present.
Case IH / New Holland	Voyager 1	√	*.HLL, *.FLS	This is a multi-file format. You must upload a zip which contains one or more HLL files as well as any FLS files from the same directory. Since the folder structure is very complex it is recommended that you zip and send your entire *.CNH directory.
Case IH / New Holland	Voyager 2	~	*.TLH, *.TLO, *.TSH, *.TSO, *.TLC, *.TLA, *.T**	This is a multi-file format which uses a set of TLH, TSH, TLC, TSC, TLA, TSA, TLO, TSG, and TSO files. Since the folder structure is very complex it is recommended that you zip and send your entire *.CN1 directory.
CLAAS	CEBIS/Lexion	√	*.AFT	This is a single-file format. You may upload an individual .aft file or a zip file containing multiple .aft files.
CLAAS	CEBIS 2/Jaguar	√	TaskData.XML, TLG#####.bin, TLG#####.xml	This is a multi-file ISO11783 compliant format. You must upload a zip file which contains the TaskData.XML file as well as all of the TLG#####.BIN and TLG#####.XML files from the same directory.
Deere	Original GreenStar	~	*.GSY, *.GSD	This is a single-file format and depending on your monitor setup you may have either GSD or GSY files. You may upload an individual GSD or GSY file or a zip file containing multiple GSD and GSY files.
Deere	GreenStar 2 (2600)	1	*.FDD, *.FDL	This is a multi-file format which uses pairs of FDD and FDL files. You must upload a zip file which contains one or more pairs of FDD and FDL files. If either file is missing from the pair then the file will not be processed. These files can be found in the RCD directory of your GS2 card.

Supported file formats

Brand	Format name	Yield	File Extensions	File upload help descriptions
Deere	GreenStar 3 (2630)	1	*.FDD, *.FDL	This is a multi-file format which uses pairs of FDD and FDL files. You must upload a zip file which contains one or more pairs of FDD and FDL files. If either file is missing from the pair then the file will not be processed. These files can be found under the GS3_2630/ <profile>/RCD/EIC/Documentation directory of your GS3 card. It is recommended that you zip and send the entire Documentation directory for simplicity.</profile>
Deere	GreenStar 4 (4600)	√	*.JDL	This is a single-file format. You may upload an individual *.jdl files or a zip file containing multiple *.jdl files.
Deere	APEX Shape Export	√	*.SHP, *.SHX, *.DBF	This is a shape file format. You must upload a zip file which contains the SHP, SHX, and DBF files which make up the shapefile. You may include multiple shapefiles in the same zip as long as all of the companion SHP, SHX, and DBF files are present.
Loup	8000i Yield	~	*.X##	This is a single file format. Loup yield files are named with a numeric date and an extension that begins with ".X". Example: 20140925.X05. You may upload an individual .X## file or a zip file containing multiple .X## files.
Loup	Loup Elite	√	*.LoupElite	This is a single-file format. You may upload an individual .LoupElite file or a zip file containing multiple .LoupElite files.
Mapshots	AgStudio export	√	*.SHP, *.SHX, *.DBF, *.MCD	This is a shape file format. You must upload a zip file which contains the SHP, SHX, DBF, and MCD files which make up the shapefile. You may include multiple shapefiles in the same zip as long as all of the companion SHP, SHX, DBF, and MCD files are present.
Precision	Precision 20/20 .dat	√	harvest_*.dat, field_map_*.dat, liquid_map_*.dat	This is a single-file format but planting operations are usually a zip file containing all of the *.DAT files. Precision 20/20 planting file names start with "field_map" Example: field_map_2012_03_12_000.dat. Precision 20/20 yield file names start with "harvest" Example: harvest_1_Corn_2013_09_17_000.dat.
Precision	Precision 20/20 .2020	√	*.2020	This is a single-file format. You may upload an individual *.2020 files or a zip file containing multiple *.2020 files.
Raven	ADV	√	*.adv, *.adv.zip	This is a single-file format. You may upload an individual *.adv files or a zip file containing multiple *.adv files.
Raven	RAD file	√	*.jdf, *.jdp, *.jdp.zip	This is a single-file format. You may upload an individual *.JDP.ZIP files or a zip file containing multiple *.JDP.ZIP files.
Raven	Slinghsot export	✓	*.SHP, *.SHX, *.DBF	This is a shape file format. You must upload a zip file which contains the SHP, SHX, and DBF files which make up the shapefile. You may include multiple shapefiles in the same zip as long as all of the companion SHP, SHX, and DBF files are present.
Topcon	Topcon X30	√	*.CSV, *.INI	This is a multiple-file format. We suggest zipping the entire folder structure for best results.
Trimble	FMX (Shapefile)	√	*.SHP, *.SHX, *.DBF	This is a shape file format. You must upload a zip file which contains the Coverage.SHP, Coverage.SHX, and Coverage. DBF files which make up the shapefile. You may include multiple shapefiles in the same zip as long as all of the companion SHP, SHX, and DBF files are present.
Trimble	FMX (ISOXML)	√	TaskData.XML, TLG#####.bin, TLG#####.xml	This is a multi-file ISO11783 compliant format. You must upload a zip file which contains the TaskData.XML file as well as all of the TLG####.BIN and TLG#####.XML files from the same directory.
Trimble	FMD	√	*.SHP, *.SHX, *.DBF	This is a shape file format. You must upload a zip file which contains the Coverage.SHP, Coverage.SHX, and Coverage. DBF files which make up the shapefile. You may include multiple shapefiles in the same zip as long as all of the companion SHP, SHX, and DBF files are present.

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