

# Mechanisms to store details of Crops per farmer and per field

The "FarmFields" data-table details the fields that are being cultivated by a farmer. When an inspection is carried out multiple data-records (one for each distinct field owned / farmed by the farmer) can be added as children to the inspection record, to store details of the farmer's fields.

## The Farm-Fields Edit Form

Data for: Emelia Bruwaa 2015-06-17

**FarmFields data**

FarmFields: data ID: 22,242,375

PlotCode: 1

InspectionsID: View Farm Inspection Form 2013 Emelia Bruwaa 2015-06-17

MainCropID: View Oil Palm (1)

InterCropsIDList: No records ... click to add (2)

BoundariesIDList: No records ... click to add

DateLastInputs: 02/03/2011

SourcePlantingMaterialsID: View OPRI + GOPDC

InspectorID: View Meimuna Ibrahim

MajorSeasonYield: 1,709.859375 MinorSeasonYield: 1,139.90625

LandTenureID: View Share Cropped (3)

Size: (4) 3.5

NumTrees: 210

TreeAvgAge: 15

TreesPer: 60

BunchesHarvestedOnOffer: 0

YieldEstPerTree: 13.5703125

YieldEstimate: 2,849.765625

TheoreticalYieldEst: 18,900

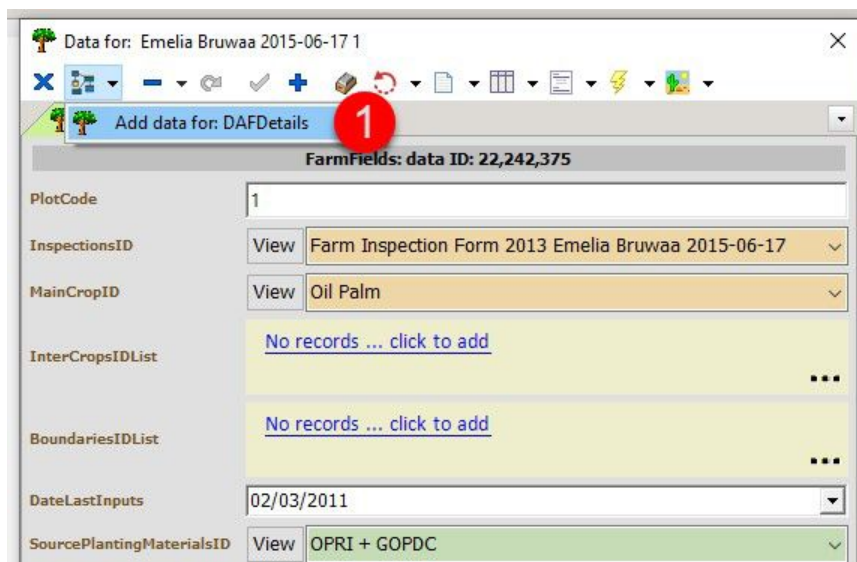
AuthorID: Meimuna Ibrahim

DateCreated: 30/06/2015 15:10:56 Complete ☒ Current ☒

FarmFields Edit Form

1. If the plot has a "main crop" (traditional agriculture) this can be selected here. If the plot is a DAF plot with no main crop, leave this blank.
2. If there are non-DAF "inter-crops" which need to be recorded for the inspection, record them here.
3. Detail of the form of land tenure can be recorded.
4. The size of the plot should also be recorded.
5. Several fields can be used to detail the tree-planting (for a main crop, for a DAF field these do not need to be entered).

## Adding DAF-Details to a Farm-Fields record



Data for: Emelia Bruwaa 2015-06-17 1

**Add data for: DAFDetails** 1

**FarmFields: data ID: 22,242,375**

PlotCode: 1

InspectionsID: View Farm Inspection Form 2013 Emelia Bruwaa 2015-06-17

MainCropID: View Oil Palm

InterCropsIDList: No records ... click to add


BoundariesIDList: No records ... click to add

DateLastInputs: 02/03/2011

SourcePlantingMaterialsID: View OPRI + GOPDC

#### Adding DAFDetails

1. From the "Add Extension" button, select "Add data for: DAFDetails" and a DAFDetails record will be created and associated with the current Farm-fields record.



Data for: Emelia Bruwaa 2015-06-17 1

**FarmFields data** **DAFDetails data**

**DAFDetails: data ID: 22,242,375**

DateLastPruning:

TopographyID: View

FieldDesignID: View

FallowPeriodID: View

ShapeOfCanopiesID: View

NumberOfShadeTrees: 0

**Constraints**

**Recommendations**

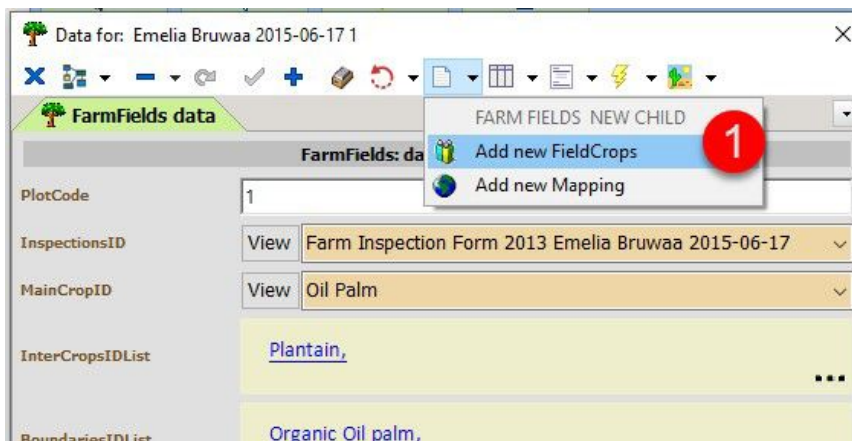
**Testimonies**

DateCreated: 10/08/2021 14:26:16

#### DAF Details Edit Form

Once added the DAFDetails Edit Form will show, with multiple fields for data-entry. Each of the Green "types" edits contain lists of options that the ICS officer can pick.

## Adding Data for individual crops to the Farm-fields data

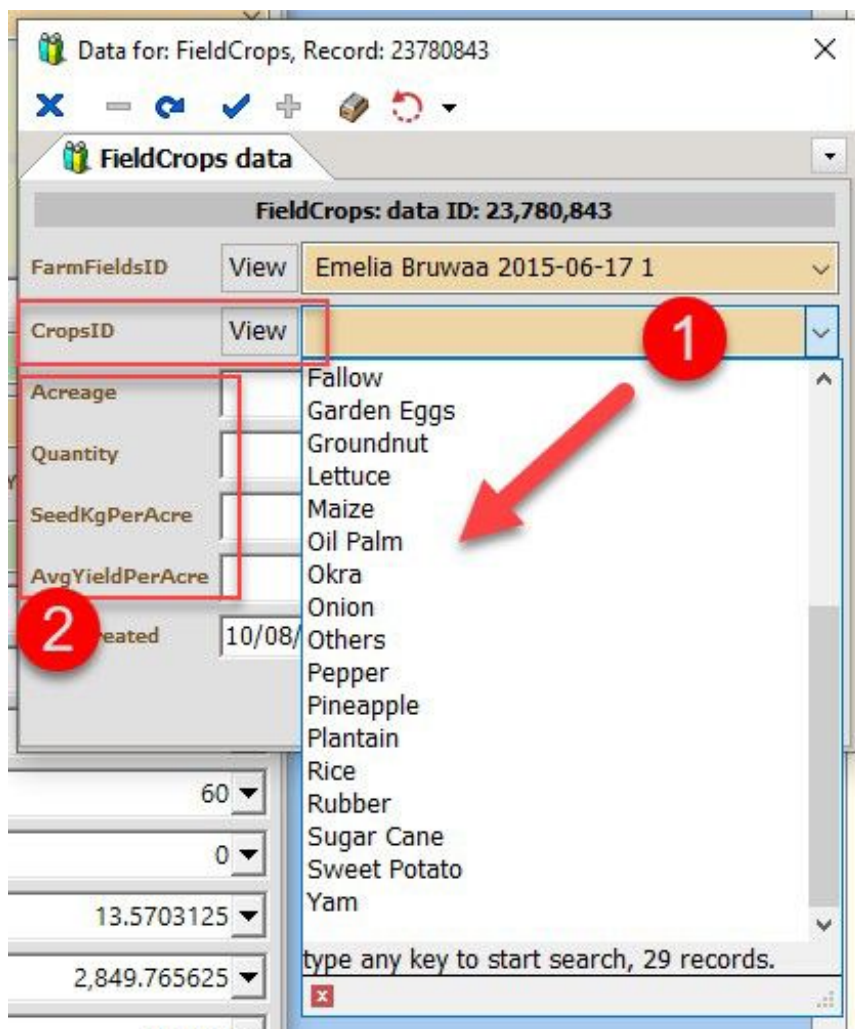


The screenshot shows the 'FarmFields data' form for 'Emelia Bruwaa 2015-06-17 1'. The 'FARM FIELDS NEW CHILD' menu is open, showing options: 'Add new FieldCrops' (highlighted with a red circle and arrow) and 'Add new Mapping'. The form fields include: PlotCode (1), InspectionsID (View Farm Inspection Form 2013 Emelia Bruwaa 2015-06-17), MainCropID (View Oil Palm), InterCropsIDList (Plantain, ...), and BoundariesIDList (Organic Oil palm, ...).

Adding Farm Fields data

1. In the Farm Fields Edit Form, click the "New Child" button, and click "Add new Fielddrops"

## Individual Crop "FieldCrop" Edit Form



The screenshot shows the 'FieldCrops data' form for 'FieldCrops, Record: 23780843'. The 'FieldCrops: data ID: 23,780,843' is displayed. The 'FarmFieldsID' is 'Emelia Bruwaa 2015-06-17 1'. The 'CropsID' dropdown is open, showing a list of crops: Fallow, Garden Eggs, Groundnut, Lettuce, Maize, Oil Palm, Okra, Onion, Others, Pepper, Pineapple, Plantain, Rice, Rubber, Sugar Cane, Sweet Potato, and Yam. A red circle and arrow point to the 'Plantain' option. The 'Acreage' field is highlighted with a red box and a red circle with the number '2'. The 'Created' date is '10/08/2015'.

Entering Field-Crops data

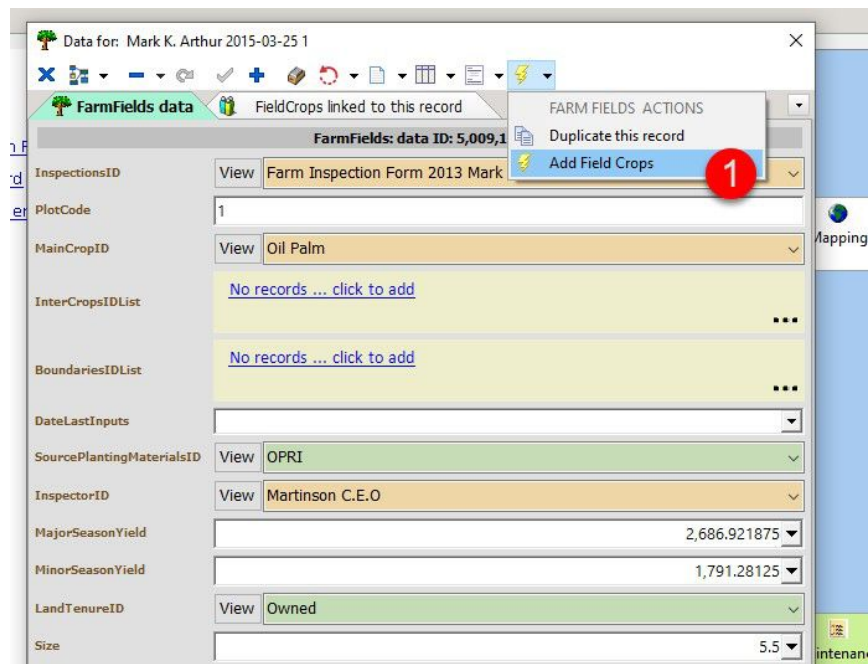
1. Once the "FieldCrops" record has been added and linked to the Farm-Fields record, select the Crop from the drop-down list.
2. Other data such as Acreage etc., can then also be added to the record as needed by the Inspection process.

# FarmFields FieldCrops Rapid Entry Grid

When a Field is audited the crops being grown should be added. For most fields this will just be one "main-crop" which can be selected directly in the FieldCrops Edit Form. However some farmers are adopting "DAF" growing practices, which means they grow many different crops. In these cases "FieldCrops" records should be added to monitor the presence of these crops.

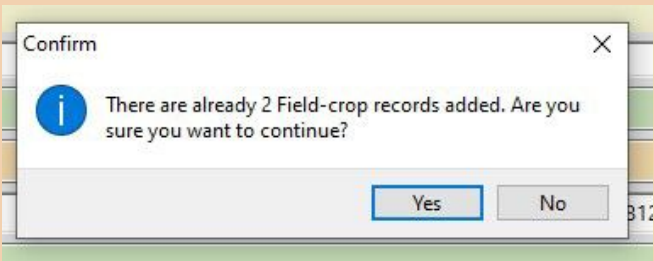
To speed up data-entry a Rapid Entry Grid has been added.

## Adding Multiple FieldCrops to a FarmFields Record

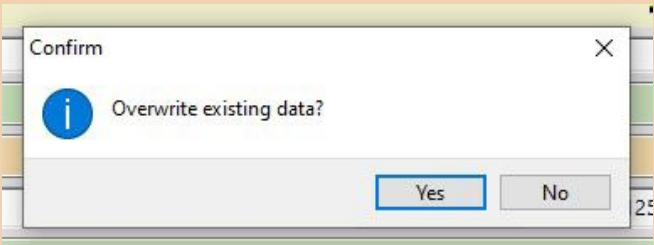


FarmFields Edit Form with "Add Field Crops" action visible

- If the field is being used to grow one main crop, select this crop from the "MainCropID" list.
- If there are a few "InterCrops" added with one main crop, add these in the "InterCropsIDList" Field, by clicking on the link, and selecting the items which appear.
- If the field is a DAF field, with multiple harvested crops, click "Add Field Crops" as shown at 1., above.



Basic Check to continue



Overwrite existing data?

The system will check whether there are already "Field Crop" records linked to this FarmFields record, and give the user the option either cancel, or keep the existing records or over-write them with new ones.

Field Crops Entry grid

Close Post Post Single Record

ID	Crop	CountPerHa	Quantity	Hectareage
20004980	unknown	0	0	0
22140466	Banana	0	100	0.5
547	Cabbages	0	0	0
20003614	Cassava	0	0	0
543	Citrus	0	0	0
539	Cocoa	0	200	0.75
22140468	Coconut	0	0	0
20003626	Cocoyam	0	0	0
22139356	Cola	0	0	0
22905389	DAF	0	0	0
22007216	Fallow	0	0	0
20003641	Garden Eggs	0	0	0
22139350	Groundnut	0	0	0
20003630	Lettuce	0	20	0
20003617	Mace	0	0	0
553	Oil Palm	0	0	0
10010211	Okra	0	0	0
20003632	Onion	0	0	0
22140470	Others	0	0	0
27		0	320	1.25

14 of 27

FieldCrops Rapid Entry Grid

Once the Rapid Entry Grid is open:

1. Scroll through the grid and enter data for the Quantity of the crop and the size of the holding.
2. Click "Post" to add all these records to the database.
3. You can also click "Post Single Record" to add just one row at a time.

**Note that the "Post" and "Post Single Record" buttons will only become active when the user has entered data.**

Data for: Mark K. Arthur 2015-03-25 1

FarmFields data FieldCrops linked to this record

Drag a column header here to group by that column

ID	DateDone	Farmer	PlotCode	Crops	Hectareage	Quantity	DateCreated
23780486	25/03/2015	Mark K. Arthur	1	Banana	0.5	200	14/07/2021 1
23780487	25/03/2015	Mark K. Arthur	1	Cassava	0.5	1	14/07/2021 1
23780488	25/03/2015	Mark K. Arthur	1	Coconut	2	400	14/07/2021 1

Newly entered data in the FieldCrops table

Once entry is complete you can see that the data has been added to the database, linked to the current "FarmFields" record.