



# Enhanced Area Selection

## HELP NOTE

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### PAM 8.0.0, PAM MTE & EE 12.6.8

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HINT If you find that this list will never need to be used (which is quite likely to be the case for most people most of the time) ... you can choose to hide it completely by choosing that option on the “Un-Cropped Areas” tab. If you ever need to display it again, simply switch the option back on. ....	7
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# Background...

## Many PAM users grow 2 or more crops in a production unit (Block, Field, Paddock) in a season.

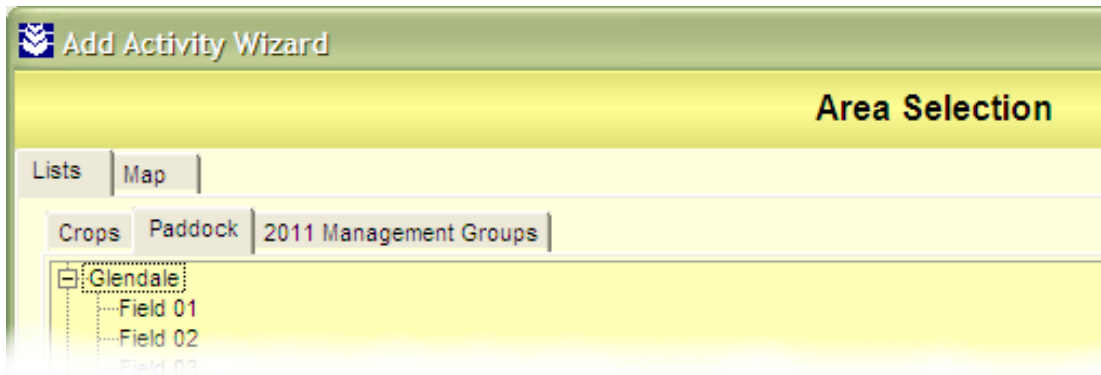
PAM has always enabled you to grow multiple crops in a production unit in a season, but

- Made no attempt to make it easy to see the events for each crop separately on the Season Summary Screen.
- Made it possible to easily enter data against the entire production unit when the intention (or the appropriate thing to do) was to enter data against one or more of the crops.

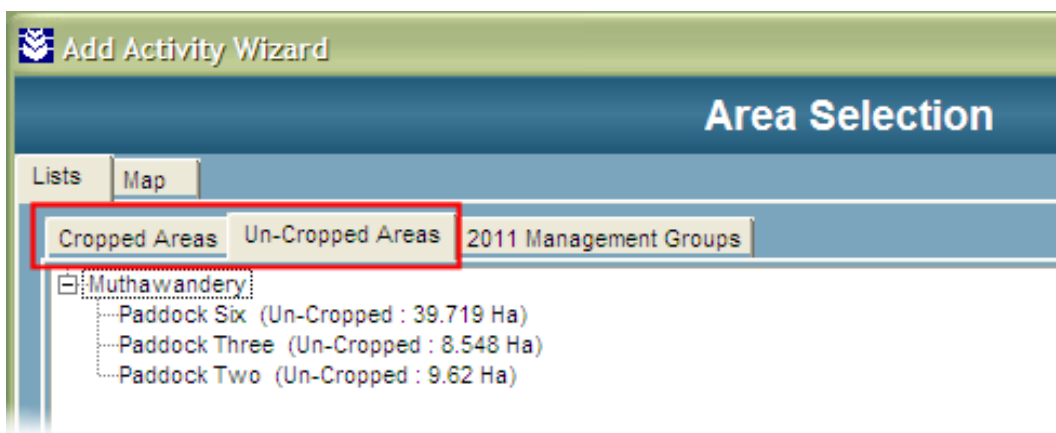
Due to the lack of formality surrounding the data entry of jobs in production units where more than one crop was growing, it was easy to enter a job against the entire production unit instead of one or more of the areas in crop. Data entered in this way was difficult to use when reporting on a cropped area in isolation.

## Change 1 - Selecting the area in the “Add Wizard”

You will notice that the Tab labels have changed from this



To this ... “Cropped Areas” | “Un-Cropped Areas”



When you record a planting event, you will only see the “Un-Cropped Areas” list. Previously, you would only see the “Paddock” tab, so not much has changed

#### Except

If a part of a production unit (Filed 01) is already cropped, say 40Ha is already under crop out of a 100Ha production unit, the list will display “Filed 01 (Un-Cropped : 60.00 Ha)”

Re-Planting, Re-Seeding, Under Sowing, Planting a Cover Crop between orchard or vineyard rows

## Change 2 – Catering for Re-Planting, Under Sowing

When you select a Cropped Area for a Planting Event PAM will know that you are entering one of these events ... Re-Planting, Re-Seeding, Under Sowing, Planting a Cover Crop between orchard or vineyard rows.

You will notice the screen labels display as shown here

The screenshot shows the 'Add Activity Wizard' window. The 'Seed Details' section includes input fields for 'Required establishment Rate', 'Seeds / Sq. Metres', 'Seed weight', 'Germination %', 'Expected field loss %', 'Sow Rate required', 'Soil Moisture at Planting', 'Seed Graded', and 'Innoculation'. The 'Under Sowing or Re-Planting the Main Crop (Wheat Banks)' section features a table with columns: Variety, Seed/Plant Cost, Sow/Plant Rate, Total Units, Batch # and Location, Seed Dressings, Sow Depth, Row Spacing, Main Crop, and Cost Per Ha. The 'Main Crop' column is currently set to 'Un-Ticked'. At the bottom, there are buttons for 'Tools', '+', '-', 'undo', 'redo', 'Back (F5)', 'Next (F8)', 'Finish', and 'Cancel'. The 'Total Cost / Ha' is displayed as '\$0.00'.

Variety	Seed/Plant Cost	Sow/Plant Rate	Total Units	Batch # and Location	Seed Dressings	Sow Depth	Row Spacing	Main Crop	Cost Per Ha
								<input type="checkbox"/>	

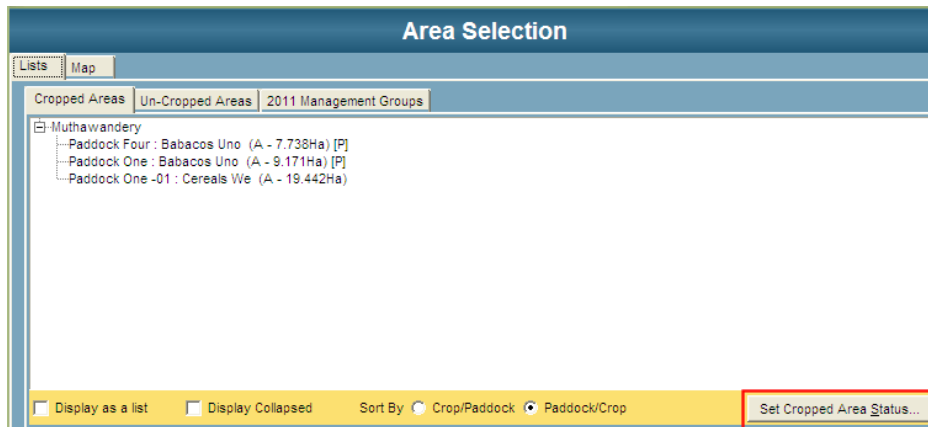
The “Main Crop” column will be set to “Un-Ticked” and you will not be able to set that to “Ticked” ... this will stop you from accidentally creating a new main crop.

What if you are wanting to plant a new Main Crop for an area that has had a crop in it already this season? (For example, you are planting a winter crop having harvested the summer crop)... You must tell PAM that the first crop is finished. PAM cannot determine this by itself as you can enter multiple harvesting events for a crop. So to tell PAM that a crop is no longer there, see below:

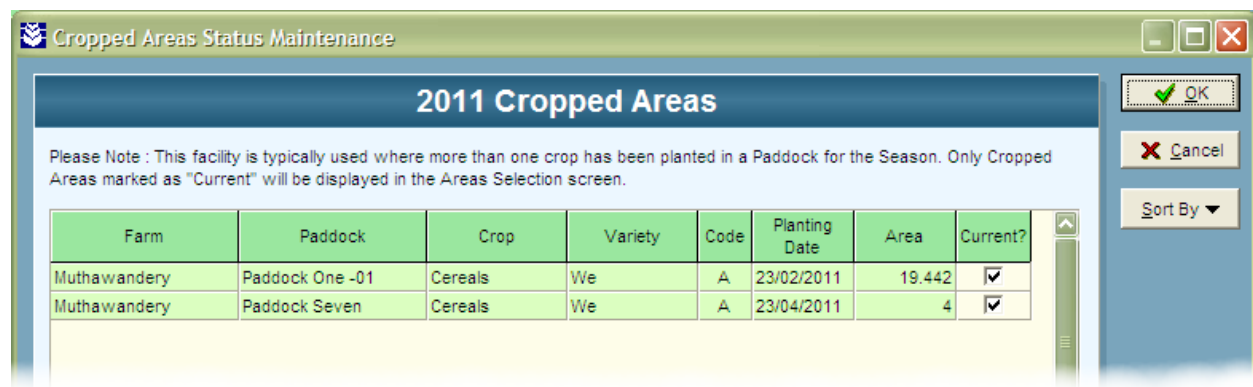
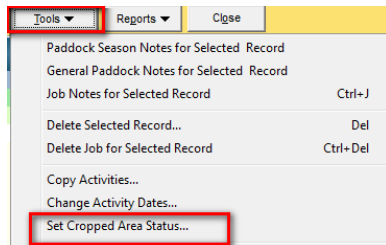
## Change 3 – Switching off a crop

### How do you tell PAM that a crop is finished?

On the “Cropped Areas” tab you will find a new button as shown here. Clicking on the “Set Cropped Areas Status” button. This is also available from the Tools Menu in Paddock Activities Diary & Season Summary Screen



Or



## What happens when you make a cropped area's status Non-Current?

### *Non-Perennial Crops*

By making a cropped area non-current you will see the cropped area disappear from the "Cropped Areas" list and the area reappear on the "Un-Cropped Areas" tab.

### *Perennial Crops*

By making a cropped area non-current you will see the cropped area disappear from the "Cropped Areas" list and the area reappear on the "Un-Cropped Areas" tab ... and also, the perennial crop will be "retired". Retiring a perennial crop means that it will no longer automatically re-appear in your Cropped Areas list at the beginning of the next season.

## What happens when you make a cropped area's status Current?

### *Non-Perennial Crops*

By making a cropped area current again, you will see the cropped area re-appear on the "Cropped Areas" list and the area disappear from the "Un-Cropped Areas" tab.

### *Perennial Crops*

By making a cropped area current again you will see the cropped area re-appear on the "Cropped Areas" list and the area disappear from the "Un-Cropped Areas" tab ... and also, the retiring of the perennial crop will be undone.

## Can I enter an activity against a production unit (as opposed to the cropped area) when it's in crop?

There may be some circumstances when you do not want to record an activity against a crop at all. (E.g. Spraying non-production areas or a machinery event which should not be allocated to a crop growing in the production unit.)

At the beginning of a season, if you don't have any perennial crops, you will see that all your Paddock or Blocks are listed in the "Un-Cropped Areas" tab.

There may be activities that need to be recorded prior to planting a crop that will need to be allocated to the crop when it is planted.

### *Jobs entered prior to planting the Main Crop*

For example, you may

- Deep Rip a paddock prior to planting a crop and you want to record this against the paddock only ... not associate the cost of this to the crop.
- Apply chemicals and/or fertilizers that you do want to associate with the crop that is to be planted in that area.

Under these circumstances, as you record the planting event, you will be offered the chance to assign the event to the crop or not.

In the example below, I have deep ripped the 8Ha block, sprayed it and applied fertilizer to it... then I planted Wheat in 4 Ha of it... PAM displays this form ... I have de-select the deep ripping event, but left the chemical and fertilizer events associated to the crop.

Associate Costs with this Crop...

### Associate Crop Costs - 2011

Listed are prior Activities that have been recorded for the same Paddocks and season you are currently seeding/planting.

PAM will associate the Activities you select to the new seeding/planting. (All Activities are selected by default)

Any unselected Activities will not be processed.

If there is any remaining area for an Activity after allocation, PAM will allocate the remainder to the Paddock.

Date	Paddock	Activity	Item	Area	Allocated	Remaining
23/02/2011	Paddock Seven	Machinery Operations	Deep Ripper	8 Ha	4 Ha	4 Ha
23/02/2011	Paddock Seven	Chemical Applications	Amitrole T	8 Ha	4 Ha	4 Ha
23/02/2011	Paddock Seven	Fertiliser Applications	15% Potash Super Nitro	8 Ha	4 Ha	4 Ha

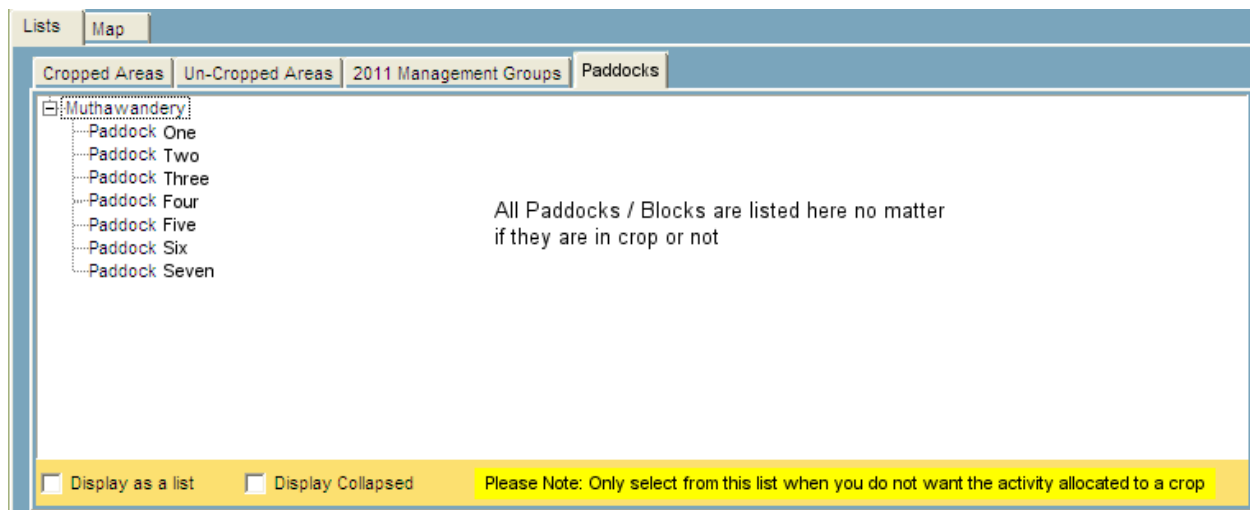
Buttons: OK, Cancel, De-Select All, Help

## Change 4 – recording activities that not to be associated to a crop

***When (or if) you have one or more cropped areas in your “Cropped Areas” list, a new list will appear on a new tab with the label “Paddocks” or “Blocks” (or whatever you have named your production units). This list is displayed solely for the purpose of recording events that are not to be associated with a crop.***

### *Jobs entered after planting one or more Main Crops*

To enter an activity which needs to be recorded against the production unit, but not against a crop (for example, spraying non-production areas) into a production unit which has one or more cropped areas ... select from the tab shown here:



[Please Note: this tab/list will not appear if you choose the activities:

- Planting/Seeding
- Harvesting
- Crop, Pest, Disease monitoring]

### HINT

If you find that this list will never need to be used (which is quite likely to be the case for most people most of the time) ... you can choose to hide it completely by choosing that option on the “Un-Cropped Areas” tab. If you ever need to display it again, simply switch the option back on.

## Fixing things that go wrong

If for some reason you accidentally allocate an activity to the Paddock or Block instead of the one or more of the cropped areas or vice versa, you can rectify this problem in one of two ways.

- 1) Edit the record in the Diary or Season Summary screen... Double click on the job or click on the "Edit" button in the Diary or Season Summary screen. Then click on the "Areas" button (indicated below by the red arrow) ... and de-select the incorrect area, select the correct area, re-save the record.

**Editing Existing Activity...**

**Fertiliser Applications**

Job Date: 23/02/2011

Fertiliser	Units per Ha	Total Units	Batch # and Location	Cost per Unit	Total Cost	Cost per Ha
15% Potash Super Nitro	200 Kg	1.6 T		\$5,000.00/T	\$8,000.00	\$1,000.00

Tools: + - ✓ ✗ Total Cost / Ha : \$1,000.00

Buttons: ? Areas... Back (F5) Next (F8) Save (F10) Cancel

- 2) Using the Right-Click menu in the Season Summary Screen ... Right click on the record that needs fixing, then choose "Manually Apportion job Costs..." ... choose the appropriate area

**2011 Muthawandery : Paddock Sev**

Actual and Planned Events

Planting	Yield	BE Yld	Pot Yld	Avg Price
We Cereals	0T/Ha	0T/Ha	0T/Ha	
Chemical		Crop		
Amitrole T				
Fertiliser		Crop		
15% Potash				
Machine O				
Deep Rippe				

Right-click context menu options:

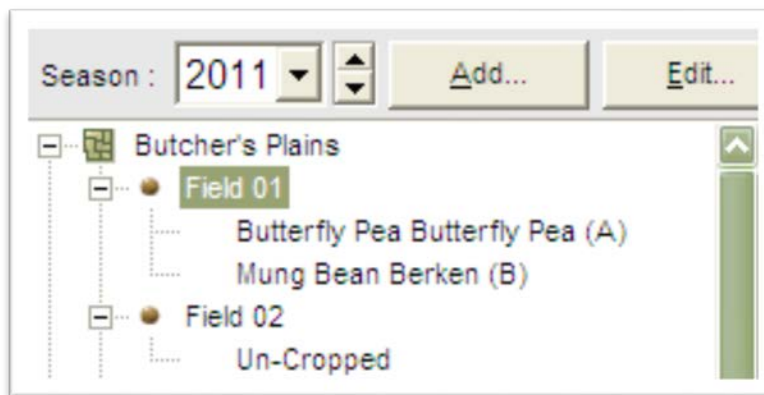
- Paddock Season Notes
- General Paddock Notes
- Job Notes for Selected Record
- Manually Apportion Job Costs... (Sub-menu open)
  - Apportion Costs to the Paddock only
  - Cereals We (A) 4 Ha
- Copy Activities...
- Copy Actuals activities to Budget for the selected Paddock...
- Change Activities Date/Season...
- Create New Paddock/Season...
- Season Costs and Income...
- ✓ Show Actuals



## Change 5 – A new look Season View

The “old” way of displaying data in the Season View made it difficult to distinguish between jobs done in the same Block/Field/Paddock when more than one crop was grown within the one season.

The new layout now displays a “tree” as shown here...



### The whole Paddock/Block/Field

Backwards compatibility ... By choosing the Block/Field/Paddock name on the tree (as shown above), you will see the main section of the screen laid out exactly as it has been in the past. All records for a Block/Field/Paddock for a Season appearing together.

In the bottom left corner of the screen you will see the Gross Margin and Rainfall figures for the entire Block/Field/Paddock

TIP : If you click your left mouse on the Gross Margin section of this information panel, your Incomes and Costs details window for the chosen paddock/block/field will be displayed

Costs and Income	
Expenses :	\$1,103.65 / Ha
Income :	\$0.00 / Ha
Net :	<b>-\$1,103.65 / Ha</b>
Rainfall : "Butchers"	
2008 G.S.R. :	25.5 mm.
2008 Total :	232 mm.

TIP : If you click your left mouse on the Available Water section of this information panel, your rainfall information for the chosen paddock/block/field will be displayed

However ...

## Displaying data for a Cropped Area

When you click on a Crop name / variety Name on the "Tree" you will see just those records relating to the chosen crop listed in the main section of the screen and the bottom right corner of the screen will display the gross margin values for the chosen crop.

TIP : If you click your left mouse on the Gross Margin section of this information panel, your Incomes and Costs details window for the chosen crop will be displayed

Instead of the rainfall information below the gross margin values, you will see the Available Water information for your chosen crop.

The "Rain – Loss" value relates to your water use efficiency settings for the chosen crop.

Expenses :	\$1,310.37 / Ha
Income :	\$0.00 / Ha
Net :	<b>-\$1,310.37 / Ha</b>
<b>Available Water : 601 mm.</b>	
Rain - Loss :	251 mm.
Irrigation :	350 mm.
Moisture :	0 mm.

TIP : If you click your left mouse on the Available Water section of this information panel, your water use efficiency settings for the chosen crop will be displayed

## What about the “Un-Cropped” data ...?

On the “tree”, you will notice the label “Un-Cropped”. Selecting this item will display any records you may have entered that were not allocated to a crop. The screen shot below is a good example...

This paddock I have chosen has had 3 crops growing in it, but as you can see, some of the records have been entered against the paddock, not a crop.

It has to be said though that this data was entered prior to the changes that these help notes are referring to , so the chances of getting records into PAM that don't relate to a crop are now much reduced !

The screenshot shows the PAM software interface. The left-hand tree view displays a hierarchy of fields and crops. The main data entry table is titled "2008 Butcher's Plains : Field B1 : Un-Cropped" and contains two sections: "Actual and Planned Events" and "Machine Operation".

Chemical	Crop	Date	Area	Rate	Cost/Ha	Total Cost	Plan#
Dropp Liquid		17/04/2008	19.3	200	\$34.80	\$671.64	84
Canopy Spray Oil		17/04/2008	19.3	500	\$0.00	\$0.00	84
Prep 720		17/04/2008	19.3	2	\$19.28	\$372.10	84
Pegasus		18/02/2008	19.3	.6	\$47.58	\$918.29	61

Machine Operation	Crop	Date	Area	Hours	Cost/Ha	Total Cost	Plan#
Aerial Spray		17/04/2008	19.3		\$16.00	\$308.80	84
Aerial Spray		18/02/2008	19.3		\$16.00	\$308.80	61
Mulching		1/05/2007	23.6		\$25.00	\$590.00	

Expenses : \$25.00 / Ha  
Income : \$0.00 / Ha  
Net : -\$25.00 / Ha  
Rainfall : "Butchers"  
2008 G.S.R. : 25.5 mm.  
2008 Total : 232 mm

If you find that you have records allocated to the “Un-Cropped” area, you can assign them to a cropped area by right clicking on the records and choosing ... “Manually Apportion job-Coss”