

**Data Entry - Saving Chemical, Fertiliser and Machinery Mixes**

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**Introduction**

This document explains the process of saving chemical , fertliser, and machinery mixes during data entry for the purpose of saving time.

For example, you are commonly using 2,4-D @ 3L / Ha + Atrazine at 2 kg / Ha + Wetter on a regular basis. You are able to save this mix so that you can select it from a list of mixes and not have to reselect the consumables and re-enter the rates every time you run through the activity wizard.

Software includes:

- PAM QA Plus
- PAM UltraCrop
- PAM AusVit

The saving of mixes is available for:

- Chemical Activities
- Fertiliser Activities
- Machinery Operations

## Activation

There is no need to activate this feature as it is a default function in available software.

## Saving Mixes

### Chemical Applications

During a chemical application in the Add Activity Wizard on the Chemical Applications page, select the 'Tools' button, you will then find the option for 'Save entered Chemicals as a Mix'

The screenshot shows the 'Add Activity Wizard' window with the following sections:

### Spray Conditions

Water Rate: 50 L / Ha    Tank Volume: 1000    Total Water: 0 L    Band (%): 100  
Ground Speed: 7    Plant Vigour:    Nozzle:    Configuration (%): 100  
Growth Stage:    Pressure:

Start Time	Stop Time	Temp	Cloud %	Humidity %	Wind Dir.	Wind Speed
		0 °C				0.00 Km/Hr

### Chemical Applications

Chemical	Units per Ha	% of Water	Total Units	Total to deduct from Inventory	Cost per Unit	Targets
24D Amine	2 L	4.00%	58.96 L	58.96 L	\$5.30/L	(space)
Atrazine	3 Kg	N/A	88.44 Kg	88.44 Kg	\$7.95/Kg	(space)
LI 700	0.05 L	0.10%	1.474 L	147.4 L	\$7.93/L	N/A

Tools menu options:

- Save entered Chemicals as a Mix
- Browse/Rename/Delete Mixes...
- Allocate costs to future...
- Insert a pre-saved Mix
- New Chemical...
- Browse Chemicals...
- Edit Growth Stages...
- Clear All

Total Cost / Ha : \$34.85

Navigation buttons: Back (F5), Next (F8), Finish, Cancel

After selecting 'Save entered Chemicals as a Mix', you are then able to nominate the name for this particular mix. Within this screen, you are also able to Delete or Rename existing mixes.



## Fertiliser Applications

During a chemical application in the Add Activity Wizard on the Chemical Applications page, select the 'Tools' button, you will then find the option for 'Save entered fertilisers as a Mix'

The screenshot shows the 'Add Activity Wizard' window. At the top, there is a 'Tips' section with the following text:

Select one or more fertilisers and enter their application details in turn into the grid below. You can enter either the total fertiliser applied (Total Units) or the application rate (Units Per Ha). Check the "Tools" button options to do the following :

- To add a new fertiliser to the fertiliser pick-list;
- To create a special nutrient blend;
- To create a fertiliser mix or to use a previously created fertiliser mix;

Below the tips is a table titled 'Fertiliser Applications':

Fertiliser	Units per Ha	Total Units	Batch # and Location	Cost per Unit	Total Cost	Cost per Ha
Urea	125 Kg	3.685 T		\$332.00/T	\$1,223.42	\$41.50
DAP + 2% Zn	125 Kg	3.685 T		\$503.00/T	\$1,853.56	\$62.88

At the bottom of the window, there is a 'Tools' dropdown menu. The 'Tools' menu is open, showing the following options:

- Pre-saved Mixes
- Save entered fertilisers as a Mix...
- New Fertiliser...
- New Special Blend...
- Browse Fertilisers...
- Browse Special Blends...
- Browse/Rename/Delete Mixes...
- Allocate costs to future...
- Clear All
- ✓ Show Tips

Below the 'Tools' menu, there are buttons for '+', '-', a checkmark, and a cross. To the right of these buttons, the text 'Total Cost / Ha : \$104.38' is displayed. At the bottom of the window, there are buttons for 'Back (F5)', 'Next (F8)', 'Finish', and 'Cancel'.

After selecting 'Save entered fertilisers as a Mix', you are then able to nominate the name for this particular mix. Within this screen, you are also able to Delete or Rename existing mixes.



## Machinery Operations

During a chemical application in the Add Activity Wizard on the Chemical Applications page, select the 'Tools' button, you will then find the option for 'Save entered Machines as a Mix'

**Add Activity Wizard**

### Tips

Choose the operation from the list then... select one or more machines and enter their cost details. You can enter the staff or contractor details by clicking on the [...] button in the Labour column. Check the "Tools" button options to do the following :  
To add a new machine to the pick-list, create a new or select an existing combination  
To allocate costs of the current job to future seasons;

### Machinery Operation

Operation : Any Operation

Machine or Operation	Hours	Machinery (\$ / Ha)	Fuel (\$ / Ha)	Contract (\$ / Ha)	Labour (\$ / Ha)	Cost (\$ / Ha)	Total Cost
Fiat	2	\$12.00	\$0.00	\$0.00	\$0.00	\$12.00	\$353.76
Slasher	2	\$1.00	\$0.00	\$0.00	\$0.00	\$1.00	\$29.48

Tools ▾ + - ✓ ✕ Total Cost / Ha : \$13.00

- Pre-Saved Machinery Mixes
- Save entered Machines as a Mix...**
- New/Edit Machines...
- New/Edit Machine Operations...
- Browse/Rename/Delete Mixes...
- Allocate costs to future...
- Clear All
- ✓ Show Tips

← Back (F5) Next (F8) → ✓ Finish ✕ Cancel

After selecting 'Save entered Machines as a Mix', you are then able to nominate the name for this particular mix. Within this screen, you are also able to Delete or Rename existing mixes.



## Using Saved Mixes

### Chemical Applications

During a chemical application in the Add Activity Wizard on the Chemical Applications page, select the 'Tools' button, you will then find the option for 'Insert a pre-saved Mix'

The screenshot shows the 'Add Activity Wizard' window with the following sections:

- Spray Conditions:** Includes input fields for Water Rate (50 L / Ha), Tank Volume (1000), Total Water (0 L), Band (%) (100), Ground Speed, Plant Vigour, Nozzle, Configuration (%) (100), Growth Stage, and Pressure.
- Chemical Applications:** A table with columns: Chemical, Units per Ha (0 ?), % of Water (N/A), Total Units (0 ?), Total to deduct from Inventory (0 ?), Cost per Unit (\$0.00/?), and Targets.
- Tools:** A dropdown menu is open, showing options: Save entered Chemicals as a Mix, Browse/Rename/Delete Mixes..., Allocate costs to future..., **Insert a pre-saved Mix** (highlighted), New Chemical..., Browse Chemicals..., Edit Growth Stages..., and Clear All.
- Sub-menu for 'Insert a pre-saved Mix':** Shows options: 2,4-D / Atrazine (highlighted), No 1, and No 2.
- Bottom Bar:** Includes 'Back (F5)', 'Next (F8)', 'Finish', and 'Cancel' buttons, along with a 'Total Cost / Ha : \$0.00' display.

The chemical list is then automatically populated with the saved chemicals, including rates.

**Add Activity Wizard** ✖

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### Spray Conditions

Water Rate  Tank Volume  Total Water  Band (%)   
 Ground Speed  Plant Vigour  Nozzle  Configuration (%)   
    Growth Stage  Pressure

Start Time	Stop Time	Temp	Cloud %	Humidity %	Wind Dir.	Wind Speed
		0 °C				0.00 Km/Hr

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### Chemical Applications

Chemical	Units per Ha	% of Water	Total Units	Total to deduct from Inventory	Cost per Unit	Targets
LI 700	0.05 L	0.10%	1.474 L	1.474 L	\$7.93/L	N/A
Atrazine	3 Kg	N/A	88.44 Kg	88.44 Kg	\$7.95/Kg	(space)
24D Amine	2 L	4.00%	58.96 L	58.96 L	\$5.30/L	(space)

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Total Cost / Ha : \$34.85

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## Fertiliser Applications

During a Fertiliser application in the Add Activity Wizard on the Fertiliser Applications page, select the 'Tools' button, you will then find the option for 'Pre-saved Mixes

The screenshot shows the 'Add Activity Wizard' window with a 'Tips' section and a 'Fertiliser Applications' table. The 'Tools' menu is open, showing options like 'Pre-saved Mixes', 'New Fertiliser...', and 'Browse Fertilisers...'. The table has columns for Fertiliser, Units per Ha, Total Units, Batch # and Location, Cost per Unit, Total Cost, and Cost per Ha. The 'Tools' menu is open, showing options like 'Pre-saved Mixes', 'New Fertiliser...', 'New Special Blend...', 'Browse Fertilisers...', 'Browse Special Blends...', 'Browse/Rename/Delete Mixes...', 'Allocate costs to future...', 'Clear All', and 'Show Tips'.

**Add Activity Wizard**

### Tips

Select one or more fertilisers and enter their application details in turn into the grid below.  
You can enter either the total fertiliser applied (Total Units) or the application rate (Units Per Ha).  
Check the "Tools" button options to do the following :  
To add a new fertiliser to the fertiliser pick-list;  
To create a special nutrient blend;  
To create a fertiliser mix or to use a previously created fertiliser mix;

### Fertiliser Applications

Fertiliser	Units per Ha	Total Units	Batch # and Location	Cost per Unit	Total Cost	Cost per Ha
	0 ?	0 ?		\$0.00/?		

Tools ▾ + - ✓ ✕ Total Cost / Ha : \$0.00

- Pre-saved Mixes ▸ Urea / Super
- Save entered fertilisers as a Mix...
- New Fertiliser...
- New Special Blend...
- Browse Fertilisers...
- Browse Special Blends...
- Browse/Rename/Delete Mixes...
- Allocate costs to future...
- Clear All
- ✓ Show Tips

← Back (F5) → Next (F8) ✓ Finish ✕ Cancel

The fertiliser list is then automatically populated with the saved fertilisers, including rates.

**Add Activity Wizard**

### Tips

Select one or more fertilisers and enter their application details in turn into the grid below. You can enter either the total fertiliser applied (Total Units) or the application rate (Units Per Ha). Check the "Tools" button options to do the following :

- To add a new fertiliser to the fertiliser pick-list;
- To create a special nutrient blend;
- To create a fertiliser mix or to use a previously created fertiliser mix;

### Fertiliser Applications

Fertiliser	Units per Ha	Total Units	Batch # and Location	Cost per Unit	Total Cost	Cost per Ha
DAP + 2% Zn	125 Kg	3.685 T		\$503.00/T	\$1,853.56	\$62.88
Urea	125 Kg	3.685 T		\$332.00/T	\$1,223.42	\$41.50

Tools ▾   +   -   ↶   ✕

Total Cost / Ha : \$104.38

Help (F1)   Job Notes   ← Back (F5)   → Next (F8)   ✓ Finish   ✕ Cancel

## Machinery Operations

During a Machinery operation in the Add Activity Wizard on the Machinery Operations page, select the 'Tools' button, you will then find the option for 'Pre-saved Machinery Mixes'

The screenshot shows the 'Add Activity Wizard' window. At the top, there is a 'Tips' section with the following text: 'Choose the operation from the list then... select one or more machines and enter their cost details. You can enter the staff or contractor details by clicking on the [...] button in the Labour column. Check the "Tools" button options to do the following : To add a new machine to the pick-list, create a new or select an existing combination To allocate costs of the current job to future seasons;'. Below this is the 'Machinery Operation' section, which includes a dropdown menu for 'Operation' set to 'Any Operation'. A table with the following columns is displayed: 'Machine or Operation', 'Hours', 'Machinery (\$ / Ha)', 'Fuel (\$ / Ha)', 'Contract (\$ / Ha)', 'Labour (\$ / Ha)', 'Cost (\$ / Ha)', and 'Total Cost'. The table is currently empty. At the bottom right of the table area, it says 'Total Cost / Ha : \$0.00'. Below the table is a 'Tools' dropdown menu that is open, showing the following options: 'Pre-Saved Machinery Mixes' (highlighted), 'Save entered Machines as a Mix...', 'New/Edit Machines...', 'New/Edit Machine Operations...', 'Browse/Rename/Delete Mixes...', 'Allocate costs to future...', 'Clear All', and 'Show Tips'. To the right of the 'Tools' menu are buttons for '+', '-', a checkmark, and an 'X'. Below these are buttons for 'Back (F5)', 'Next (F8)', 'Finish', and 'Cancel'.

**Add Activity Wizard**

### Tips

Choose the operation from the list then... select one or more machines and enter their cost details. You can enter the staff or contractor details by clicking on the [...] button in the Labour column. Check the "Tools" button options to do the following :  
To add a new machine to the pick-list, create a new or select an existing combination  
To allocate costs of the current job to future seasons;

### Machinery Operation

Operation : Any Operation

Machine or Operation	Hours	Machinery (\$ / Ha)	Fuel (\$ / Ha)	Contract (\$ / Ha)	Labour (\$ / Ha)	Cost (\$ / Ha)	Total Cost

Total Cost / Ha : \$0.00

**Tools** ▼

- Pre-Saved Machinery Mixes ▶ Fiat / Slasher
- Save entered Machines as a Mix...
- New/Edit Machines...
- New/Edit Machine Operations...
- Browse/Rename/Delete Mixes...
- Allocate costs to future...
- Clear All
- ✓ Show Tips

Back (F5) Next (F8) Finish Cancel

The machinery list is then automatically populated with the saved machines in the mix.

**Add Activity Wizard** ✕

Tips

Choose the operation from the list then... select one or more machines and enter their cost details. You can enter the staff or contractor details by clicking on the [...] button in the Labour column. Check the "Tools" button options to do the following :

To add a new machine to the pick-list, create a new or select an existing combination

To allocate costs of the current job to future seasons;

Machinery Operation

Operation : Any Operation

Machine or Operation	Hours	Machinery (\$ / Ha)	Fuel (\$ / Ha)	Contract (\$ / Ha)	Labour (\$ / Ha)	Cost (\$ / Ha)	Total Cost
Slasher		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Fiat		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Tools ▾
+
-
↶
↷

Total Cost / Ha : \$0.00

Help (F1)
◆ Job Notes
⬅ Back (F5)
➡ Next (F8)
✓ Finish
✕ Cancel