Rainfall

Recording Rainfall is an easy function to setup and maintain in Adviser/Manager.

File	Home	Farm	Rotations	Analysis	Rainfall	Cash Flow	Livestock	Inventory	Reports	Mapping

Gauges

1. Setting Up Gauge(s)

1. Setup Rain Gauge> Click Rain Gauge button.

File	Home	Farm	Rotations	Analysis	Rainf	all	Cash Flo	w	Livestoc	c Ir	nventory	/ R	eports	Map	oping			
Drint																		
Plint																		
Print																		
Navigatio	on			q														
Rainfa	dl 🛛				1	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	-
1	Rain Gaug	e	*			2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	
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2. Click Add button>Enter a new name for Rain Gauge 2 (as desired). Enter in more details as desired.

Rainfall Collection Site	es		
Eile Record			
▶ ₩ ▲ ▼ ⊘			
Site Name	Northing or Lat	Easting or Long	Paddock Where Rain Gauge Located. For Multiple Sites Allocate Paddocks to Sites in Farm Section
Rain Gauge			
Rain Gauge 2			

3. To allocate Rain Gauges to specific Farms/Paddocks>Got to Farm Tab>Click Rainfall Sites button>In Rain Site column, select Rain Gauge as appropriate.

	File	Ho	me	Farm	Rotati	ons	Analysis	Rainfall	Cash F	low Li	vestock	Inventory	Reports	Mapping	
	•		A	.*	-	10	V Qui	ck Entry Mode			Avo	nlea			
1	Move Up	Move Down	Z 🖢 Sort	Add New	Insert New	Delete	Restruc	ture Paddocks	Print	Copy To Clipboard	Edit	Farms		Rainfall Sites	Maps N
					Paddock	s			E	oprt		Multi-Fa	rm		View
	Ĭ	Exclude	Padd	ock Name		An	ea (ha)	Arable (ha)	Arable %	Soil Detail	s	1	Rain Site	Prod. Syste	em (def.)
•	1		A 01				139	135	97%				Rain Gauge	- Broadacre	
	2		A 02				133	126	95%				Rain Gauge	Broadacre	
	3		A 03				80	80	100%				Rain Gauge 2	Broadacre	
_	4		A 04				49	49	100%				Rain Gauge	Broadacre	
	5		Horse	s:			234	219	94%				Rain Gauge	Broadacre	

Navigation

1. Calendar

Use the calendar to move around the months and years.

Rainfall								
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	28	29 5	30 6	31	2	2	3 10	
Teday	+	ĥ		-			10	
Today	्रर			٢.			>	/

1. Click on the day desired within the Month or click Today button.



2. Using the Arrows either side of the month name will scroll through the Months and years.

	May 2012	►	J
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3. Click on the Single arrows to jump a year either way from that date OR Click on the Double to jump five years either way from that date.



2. Yearly View

1. To view all months in the calendar year>Click Year View in Tables section.

Rainfall		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*
📋 🛃 Rain Gauge 👻		2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	201.	
	12											<u> </u>		
	13													
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Year View	31													
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3. Monthly View

1. To view only a month at a time>In the Table section click Month view.



Note: Month View is helpful for viewing Rainfall Charts and Deciles.

Finding Rainfall Data

Daily and Monthly rainfall data is available on the Bureau of Metrology (BOM) Website. Simply find the closest active BOM site to your farm(s) and load data.

1. BOM Monthly Rainfall

1. Open Internet Explorer>Type in http://www.bom.gov.au/climate/data/ into address bar. The BOM Climate Data Online page will appear.

Tip: Add BOM Climate Data Online to Favourites.

Type in name of closest town to your farm (Step 2 of BOM site)>Click Find button.
Select using Text || Select using Map |

				U Help
1: Selected: D	aily rainfall			
Data about	Rainfall		-	Daily rainfall data and graphs for
Type of data	Observations	Statistics		for one or all years.
	Daily Omega Monthly	Daily OMONTHIN		
2: Select a wea	ther station in the area	of interest		
narrandera		Find		OR - search by Position

S. Links

3. Select from Nearest Bureau Stations.

Nearest Bureau stations (click one to select it) Conly show open stations (may no longer report all data types) More information: Narrandera Golf Club NSW (2.1km away for the selected station 074148 Narrandera Airport NSW (6.0km away) Ε (opens new window) 074197 Narrandera (Trigger Vale) NSW (11.3km away) 074037 Yanco Agricultural Institute NSW (17.7km away) 074050 Grong Grong (Junee St) NSW (21.2km away) Data available for the selected station 100% 0% 1900 1950 1850 2000

Note: The Data for selection station table below tells you what data is available and how recent it is.

4. Select Year from drop down.

Select year	r
2012	

5. Click Get Data button (Step 3 of BOM site)

3: Get the data			
Station number	074221	Get Data (Opens in new window)	Save Clear
On't clear this numb	er Note, mos	t stations do not collect all data types. Searching w	vill ensure relevant stations.

6. Scroll to the bottom of the Rainfall table to see the Monthly totals>Manually type monthly rainfall totals in the 28th row of every month in Adviser/Manager Rainfall Table. See Entering Rainfall Data – Manually for more information.

<u>Bureau Home > Clima</u>	ate > <u>Climate</u>	Data Onlin	ie > Daily	Rainfall								
Daily rainfall												
Narrandera Golf C	lub											
About this page									1 year of	data Ally	ears of da	ta PDF
Observations of Daily of precipiation that re	rainfall are n ach the groun	ominally m id, such as	ade at 9 a rain, driz:	am local clo zle, hail an	ock time ar d snow. <u>At</u>	d record	the total fo all data	or the prev	ious 24 ho	urs. Rainfa	II includes	all forms
Station: Narrandera	Golf Club			Number: Lat: 34.7	74221 73° S	Opener Lon: 1	d: 1969 46.56° E	Now: Elevat	Open ion: 173 r	n		Details
Show in table 💌					Key:	Units = m	im 123 = 1	Not quality	controlled	. ↓ = Part	of accumul	ated tota
BOOK STORE STORE		1.00000	diam'r	2536	28.0	wove n	iouse over	raiman to	tar to view	ine penou	or accumu	anon.
2012	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Graph	da	the	dif	ala	<u>ula</u>	<u>th</u>	dif	dit	dit	dit	<u>thi</u>	<u>du</u>
1st	0	0	16.6	0	0							
2nd	0	0	7.6	1.4	4.6							
3rd	0	0	1.2	0	0.8							
4th	0	0		0	0							
5th	0	0	0.2	0	0							
6th	0	0	0	0	0							
	-						-					
29th	0	29.0	0	0								
30th	42.0		0	0								
3151	13.4		U									
Highest Daily	42.0	29.0	16.6	7.5	4.6							
Monthly Total	69.0	67.3	50.6	14.5								
Internet and a second	SILVE	Ann	ual total to	Apr this y	ear = 201.	4 mm	ΠV	iew all mo	nthly data	hial 1	Plot year of	í daily c

2. BOM Rainfall History

1. To get all recorded Historical data> Click on All Years of Data.

Bureau Home > Climate Daily rainfall Narrandera Golf Clu About this page Observations of Daily ra of precipitation that reac	<u>> Climate</u> b ainfall are ۱ h the grou	<u>Data Onli</u> nominally r nd, such a	<u>ne</u> > Daily nade at 9 s rain, driz	Rainfall am local cl zle, hail ar	lock time a nd snow. <u>A</u>	nd record i bout rainfa	the total fo all data	r the previo	1 year of o ous 24 hou	lata All y ırs. Rainfa	ears of da	all forms
Station: Narrandera G	olf Club			Number Lat: 34.	: 74221 .73° S	Opened Lon: 14	l: 1969 46.56° E	Now: (Elevati	Open on: 173 m	ı		Details
Show in table 💌					Key: 1 28.0	Units = m Move m	m 12.3 = 1 ouse over	Vot quality rainfall tot	controlled. al to view t	↓ = Part o he period	of accumul of accumu	ated total lation.
2012 💌	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Graph	<u>di</u>	ilit	ilit	<u>ili</u>	ilii	<u>ili</u>	dit	<u>du</u>	<u>du</u>	du	dit	dit.
1st	0	0	16.6	0	0							

- 2. Click Save As>Rename Zip Folder to location name>Choose Desktop to save to.
- Open Zip folder on Decktop>Click through several folders C:\Users\xxxx\Desktop\rainfall.zip\web\htdocs\tmp\cdio> Reach a file with a name similar to this IDCJAC0001_074221_Data12.csv> If required, double click on the second of the two files listed which will open in Excel.
- 4. Save as the file> Rename it>Save as a CSV Comma Delimited File>Save to Desktop>Click Yes to saving in that format question>Click Close>Click Save (again)>Click Yes (again). Ready for Importing data from .csv excel spread sheet.

Entering Rainfall Data

1. Manually

- 1. Click on Year view in Table section under the calendar. Ensure the year is correct.
- 2. Click on the cell where to add desired numbers>Type numbers>Click on (or arrow to) next cell.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	٠
	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	
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201.4 mm	69	67.3	50.6	14.5	0	0	0	0	0	0	0	0	Ŧ

Note: Total automatically calculates at the bottom of the month.

2. Importing data from .csv Excel spreadsheet

1. Import data from BOM .csv spread sheet>Click Import Rainfall Data Button>Click Folder to find/open .csv file.

Daladall		
Kaintali		
🗄 🛃 Rain Gauge	*	
<u> </u>		
Import Rainfall Data		
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2. Find .csv spread sheet file saved to desktop on your computer>Click on File name>Click Open.

CUMMINS (TUMBY BAY ROAD)	2/04/2012 1:46 PM	Microsoft Excel Comma Separated Values File	1 KB	
GLENREATH) CUMMINS (GLENREATH)	2/04/2012 1:46 PM 2/04/2012 1:45 PM	Microsoft Excel Comma Separated Values File Microsoft Excel Comma Separated Values File	7 KB 6 KB	
NARRANDERA GOLF CLUB	19/03/2012 4:13 PM	Microsoft Excel Comma Separated Values File	3 КВ	
MUNGLINUP STATION	6/09/2011 1:20 PM	Microsoft Excel Comma Separated Values File	2 KB	
MUNGLINUP MELALEUCA	6/09/2011 1:20 PM	Microsoft Excel Comma Separated Values File	3 KB	

Note: Ensure it is a Comma Separated Variable format (.csv)

3. Once file open and data is visible>Click Green Arrow to import data to Client File>View will close and automatically revert back to rainfall year view.

ile					
Table is Read on	ly - Check data Befor	e Importing to Client Fi	le		
Year	January	February	March	April	May
2012	69	67.3			
2011	74.1	149.9	50.5	21	41.5
2010	2.8	52.1	74.3	26.7	64.8
2009	0.8	4.8	11.4	55.7	5.6
2008	35	19.5	14.6	14.4	5.5
2007	17.8	35.8	29.9	25,1	52
2006	15.8	5	20.7	10.9	1.5
2005	25.3	52.6	3,4	6.2	5.4
2004	21.9	2.7	0	15.1	16.6
2003	5.5	98.1	1	14	16.1
2002	19.8	139.3	29.7	21.5	21.9
2001	19.3	27.2	26.5	17.5	8.2
2000	35	46.4	22	27.6	81.2
1999	51.2	52.6	88.3	22.2	42.6
1998	8.8	13.6	0	44.6	16.8
1997	27.4	5	30.1	2	36.6
1996	90	33.8	48.2	7.6	24.8
1995	146.2	5.2	0	23.8	112.
1994	18	116.8	40.1	8.4	3
1993	50	19.4	51	0.9	26.2
1992	14	44	2.4	84.4	32.6
1991	26.8	0	8.6	11.8	41
1990	21.6	40.8	10.2	116	57.4

Note: This will physically add all monthly data to the rainfall year for every year that it has data for. This could add data for the past 100 years. This data is what is used to compare recent rainfall with historical data in the deciles chart.

Rainfall Chart and Deciles

1. To chart the rainfall view>In Tables, Click Month View>Tick Show Rainfall Chart.



2. To show deciles to compare monthly rainfall with historical data>Tick Show Deciles.



Note: This displays the monthly total against 10 decile bands – the highest rainfall being the lightest pink band and the lowest rainfall being in the darkest red band. This is dependent on how many years data is entered into the calendar. See BOM Rainfall website to get more historical data.