

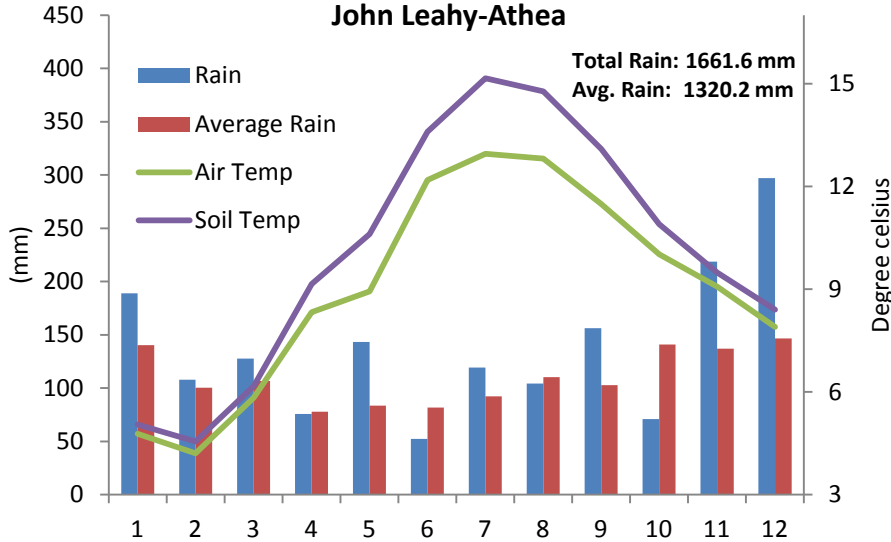
Teagasc Heavy Soils Programme

2015: Summary of weather data
across programme farms

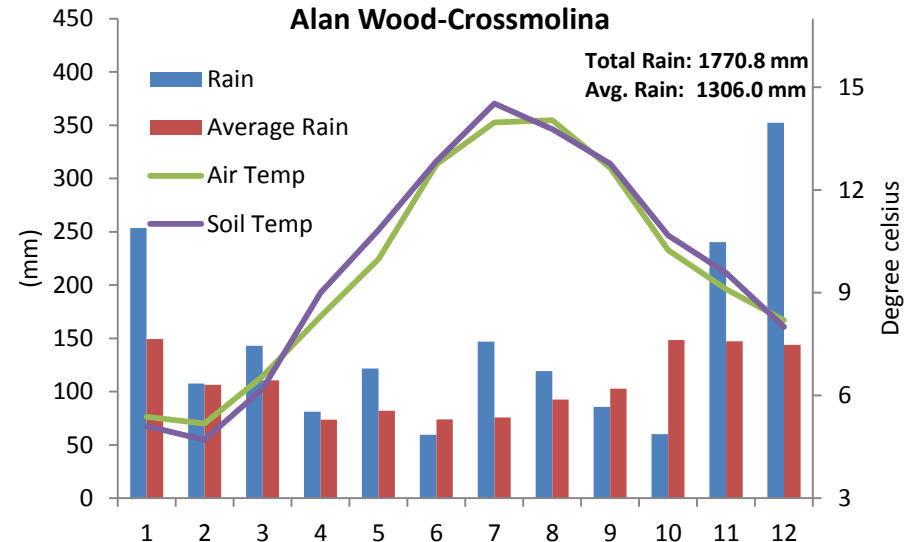
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2015 Weather Summaries

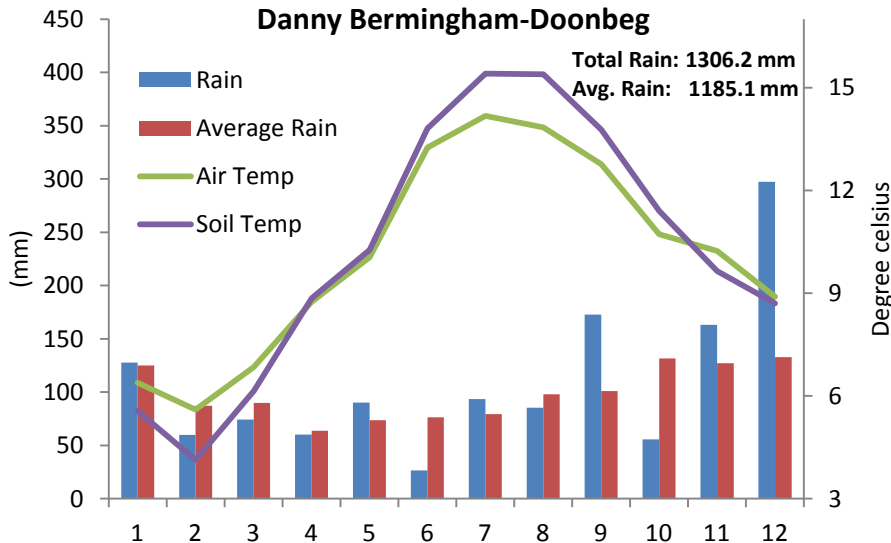
John Leahy-Athea



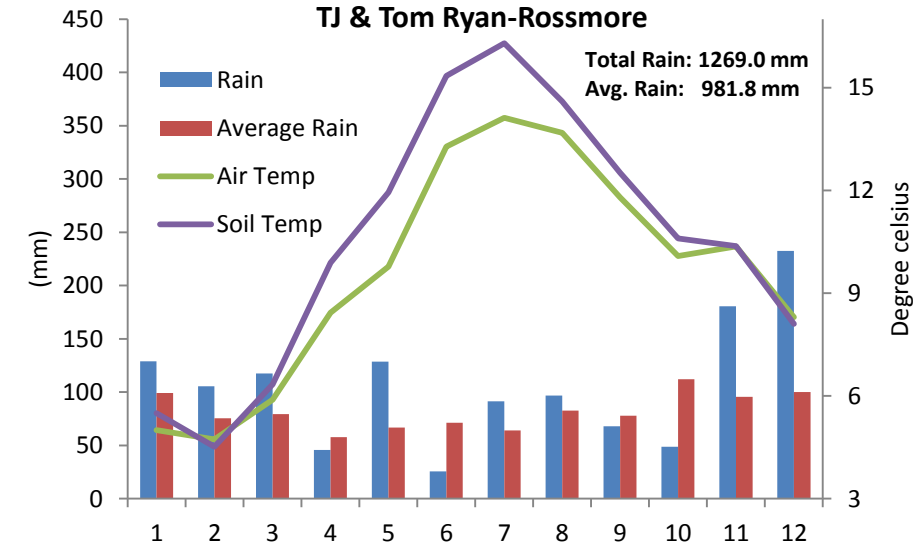
Alan Wood-Crossmolina



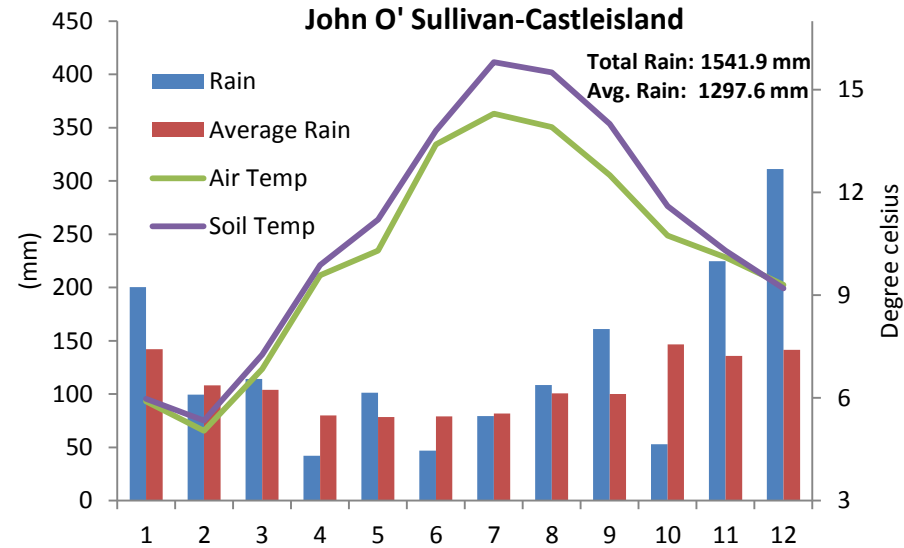
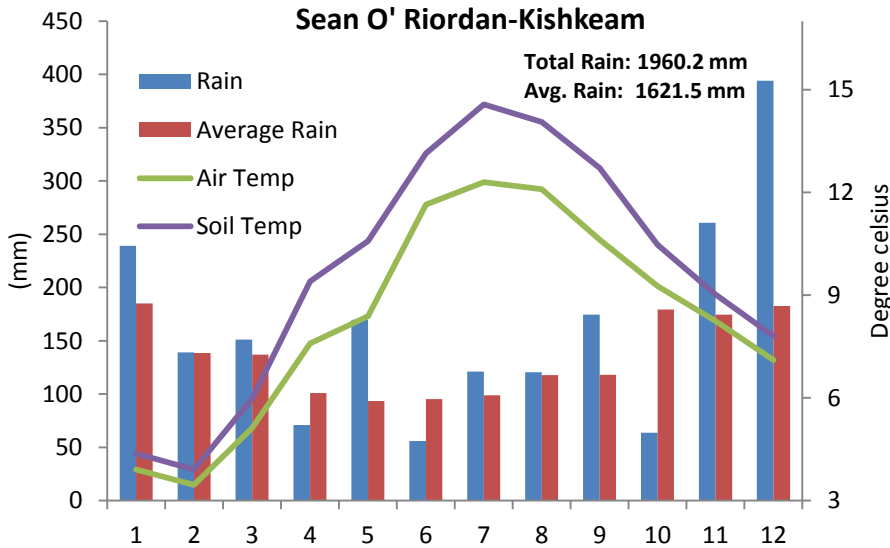
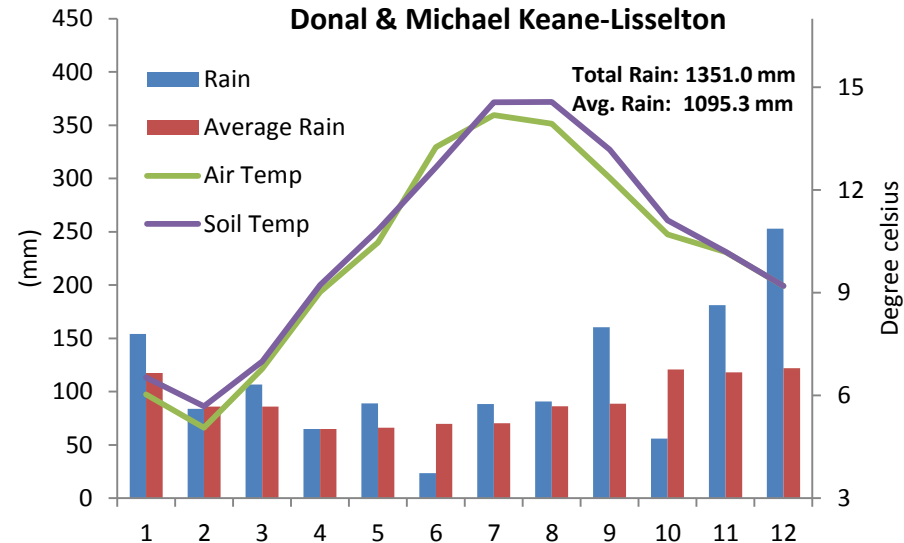
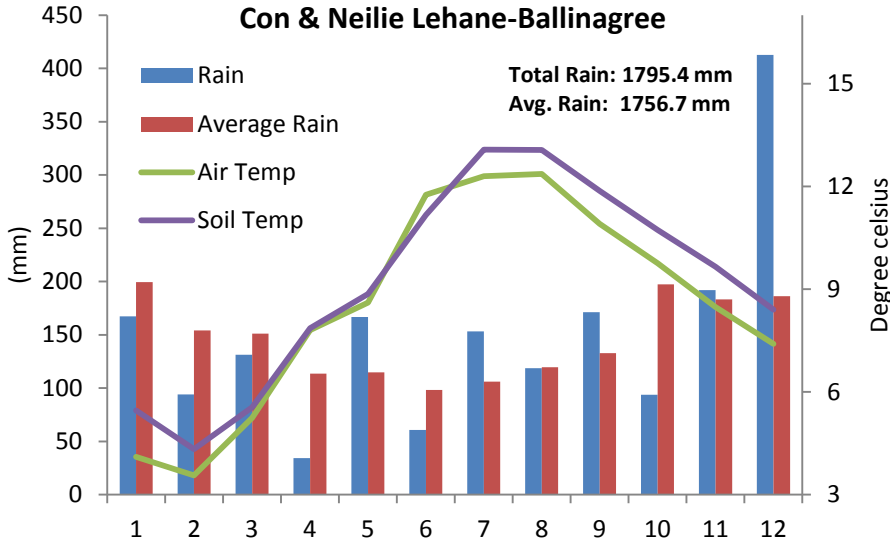
Danny Bermingham-Doonbeg



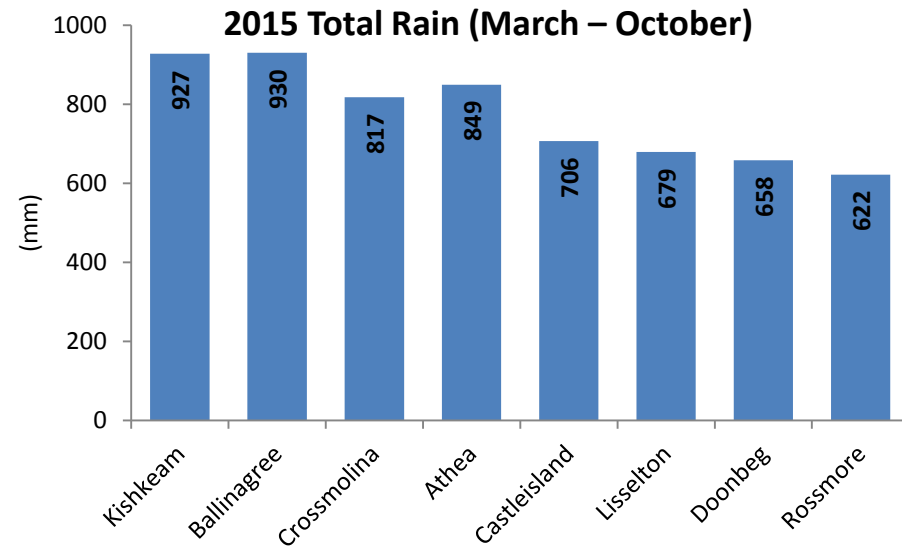
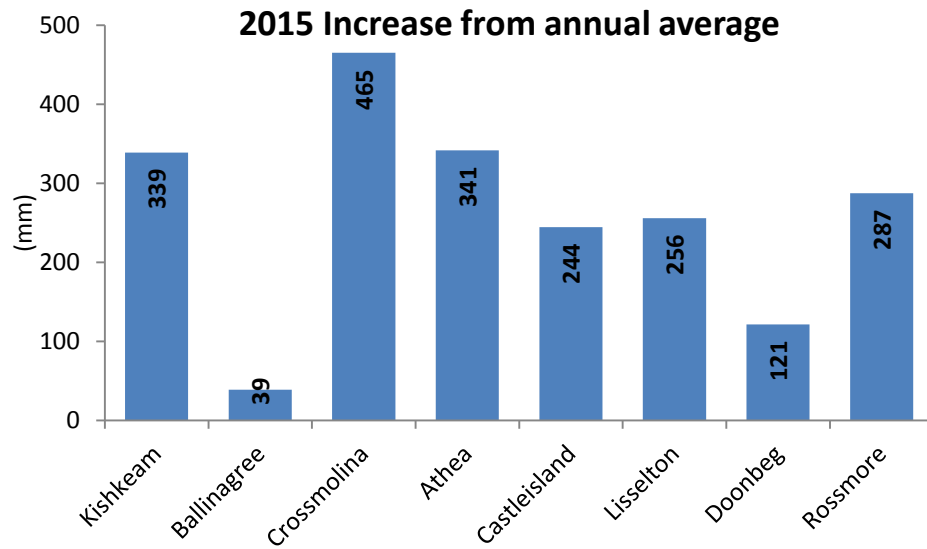
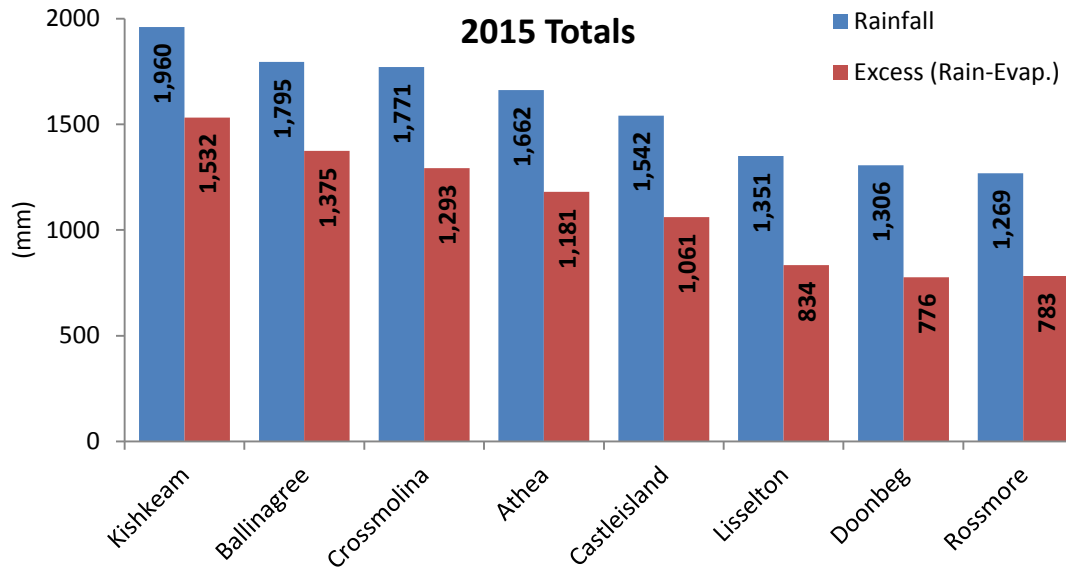
TJ & Tom Ryan-Rossmore



2015 Weather Summaries



2015 Weather Summaries



Athea						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	188.8	17.2	4.8	5.0		140.2
Feb	107.8	18.0	4.2	4.5		100.3
Mar	127.6	38.1	5.8	6.2		106.8
Apr	75.8	64.0	8.3	9.1		77.8
May	143.2	52.3	8.9	10.6		83.5
Jun	52.2	66.7	12.2	13.6		81.6
Jul	119.2	59.9	12.9	15.2		92.1
Aug	104.2	56.6	12.8	14.8		110.3
Sep	156.2	45.0	11.5	13.1		102.9
Oct	71.0	30.8	10.0	10.9		140.9
Nov	218.6	18.4	9.1	9.5		137.1
Dec	297.0	13.7	7.9	8.4		146.7
Total	1661.6	480.7				1320.2

Crossmolina						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	253.6	12.8	5.4	5.1		149.2
Feb	107.6	18.1	5.2	4.7		106.4
Mar	143.0	40.1	6.6	6.2		110.5
Apr	81.2	58.5	8.3	9.0		73.6
May	121.8	58.6	10.0	10.8		82.0
Jun	59.4	70.2	12.7	12.8		73.8
Jul	146.8	61.8	14.0	14.5		75.6
Aug	119.4	56.6	14.0	13.8		92.6
Sep	85.6	44.4	12.6	12.8		102.9
Oct	60.0	27.9	10.2	10.7		148.3
Nov	240.2	15.7	9.1	9.6		147.3
Dec	352.2	13.7	8.2	8.0		143.8
Total	1770.8	478.3				1306.0

Doonbeg						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	127.8	26.8	6.4	5.6		124.9
Feb	59.8	22.4	5.6	4.1		87.2
Mar	74.2	44.7	6.8	6.1		89.9
Apr	60.0	65.7	8.7	8.8		63.7
May	90.0	43.4	10.0	10.3		73.5
Jun	26.6	66.4	13.2	13.8		76.3
Jul	93.6	70.7	14.2	15.4		79.2
Aug	85.2	63.0	13.8	15.4		98.0
Sep	172.8	51.1	12.8	13.8		101.0
Oct	55.6	34.0	10.7	11.4		131.5
Nov	163.2	24.7	10.2	9.6		127.2
Dec	297.4	17.1	8.9	8.7		132.7
Total	1306.2	530.1				1185.1

Rossmore						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	129.0	14.0	5.0	5.5		99.2
Feb	105.4	15.1	4.7	4.5		75.4
Mar	117.4	39.3	5.9	6.3		79.3
Apr	45.8	60.2	8.4	9.9		57.7
May	128.6	58.2	9.8	11.9		66.8
Jun	25.6	75.9	13.3	15.3		71.1
Jul	91.2	67.7	14.1	16.3		64.1
Aug	96.8	62.5	13.7	14.6		82.7
Sep	67.8	43.0	11.8	12.5		77.7
Oct	48.6	27.6	10.1	10.6		112.2
Nov	180.4	10.3	10.4	10.4		95.5
Dec	232.4	12.0	8.3	8.1		100.1
Total	1269.0	485.7				981.8

Ballinagree						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	167.2	12.3	4.1	5.5		199.5
Feb	94.0	15.8	3.6	4.3		154.1
Mar	131.2	33.2	5.2	5.6		151.2
Apr	34.2	57.6	7.8	7.9		113.6
May	166.8	50.7	8.6	8.9		114.8
Jun	60.8	64.4	11.8	11.2		98.2
Jul	153.2	50.2	12.3	13.1		106.2
Aug	118.6	52.2	12.4	13.1		119.7
Sep	171.2	39.7	10.9	11.9		132.9
Oct	93.8	26.2	9.8	10.7		197.3
Nov	191.8	11.7	8.5	9.7		183.1
Dec	412.6	6.3	7.4	8.4		186.1
Total	1795.4	420.3				1756.7

Lisselton						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	154.2	20.9	6.0	6.5		117.5
Feb	83.8	19.7	5.1	5.7		85.8
Mar	106.8	41.1	6.8	7.0		85.9
Apr	64.8	63.5	9.0	9.2		64.8
May	88.8	59.7	10.5	10.8		66.0
Jun	23.6	69.5	13.3	12.7		69.6
Jul	88.2	64.7	14.2	14.6		70.2
Aug	90.6	61.6	13.9	14.6		86.2
Sep	160.4	45.9	12.4	13.2		88.5
Oct	55.8	32.3	10.7	11.1		120.8
Nov	181.0	21.2	10.2	10.2		118.0
Dec	253.0	16.7	9.2	9.2		122.0
Total	1351.0	516.6				1095.3

Kishkeam						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	239.0	11.0	3.9	4.4		185.0
Feb	139.2	16.7	3.5	3.9		138.5
Mar	151.0	34.0	5.1	6.0		136.9
Apr	71.0	56.2	7.6	9.4		101.0
May	169.6	52.5	8.4	10.6		93.4
Jun	55.8	59.6	11.6	13.1		95.3
Jul	121.2	57.6	12.3	14.6		98.8
Aug	120.6	54.0	12.1	14.1		117.9
Sep	174.4	40.0	10.6	12.7		118.2
Oct	63.8	26.6	9.3	10.5		179.4
Nov	260.6	13.1	8.2	9.0		174.6
Dec	394.0	7.0	7.1	7.8		182.5
Total	1960.2	428.3				1621.5

Castleisland						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	200.2	18.4	5.9	6.0		142.0
Feb	99.6	19.4	5.0	5.3		108.1
Mar	114.2	39.4	6.8	7.3		103.9
Apr	42.0	57.2	9.6	9.9		80.0
May	101.2	59.2	10.5	11.4		78.5
Jun	47.0	68.3	14.5	14.7		78.9
Jul	79.2	61.0	13.9	15.6		81.7
Aug	108.6	58.5	13.5	15.4		100.6
Sep	161.1	40.2	12.3	13.5		100.0
Oct	53.0	29.1	10.7	11.3		146.5
Nov	224.6	18.4	10.0	10.0		135.8
Dec	311.2	16.7	9.3	9.2		141.6
Total	1541.9	480.8				1297.6

2015 Monthly Rainfall summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kishkeam	239.0	139.2	151.0	71.0	169.6	55.8	121.2	120.6	174.4	63.8	260.6	394.0	1960.2
Ballinagree	167.2	94.0	131.2	34.2	166.8	60.8	153.2	118.6	171.2	93.8	191.8	412.6	1795.4
Crossmolina	253.6	107.6	143.0	81.2	121.8	59.4	146.8	119.4	85.6	60.0	240.2	352.2	1770.8
Athea	188.8	107.8	127.6	75.8	143.2	52.2	119.2	104.2	156.2	71.0	218.6	297.0	1661.6
Castleisland	200.2	99.6	114.2	42.0	101.2	47.0	79.2	108.6	161.1	53.0	224.6	311.2	1541.9
Lisselton	154.2	83.8	106.8	64.8	88.8	23.6	88.2	90.6	160.4	55.8	181.0	253.0	1351.0
Doonbeg	127.8	59.8	74.2	60.0	90.0	26.6	93.6	85.2	172.8	55.6	163.2	297.4	1306.2
Rossmore	129.0	105.4	117.4	45.8	128.6	25.6	91.2	96.8	67.8	48.6	180.4	232.4	1269.0
Average	182.5	99.6	120.7	59.3	126.2	43.9	111.6	105.5	143.7	62.7	207.5	318.7	1582.0

2015 Totals summary

	Rainfall	Evap.	Excess (Rain-Evap)	Total March-Oct.	Long Term Average	Increase on LTA
Kishkeam	1960.2	428.3	1531.9	927.4	1621.5	338.7
Ballinagree	1795.4	420.2	1375.2	929.8	1756.7	38.7
Crossmolina	1770.8	478.3	1292.5	817.2	1306.0	464.8
Athea	1661.6	480.7	1180.9	849.4	1320.2	341.4
Castleisland	1541.9	480.8	1061.1	706.3	1297.6	244.3
Lisselton	1351.0	516.6	834.4	679.0	1095.3	255.7
Doonbeg	1306.2	530.1	776.1	658.0	1185.1	121.1
Rossmore	1269.0	485.7	783.3	621.8	981.8	287.2
Average	1582.0	477.6	1104.4	773.6	1320.5	261.5

Site details

Site	Northing	Westing	Elevation (m) ASL
Kishkeam	52°12'	09°08'	233
Ballinagree	51°59'	08°56'	231
Crossmolina	54°06'	09°17'	15
Athea	52°27'	09°19'	139
Castleisland	52°13'	09°28'	36
Lisselton	52°28'	09°33'	8
Doonbeg	52°44'	09°30'	9
Rossmore	52°36'	08°01'	105

Note: ASL = above sea level