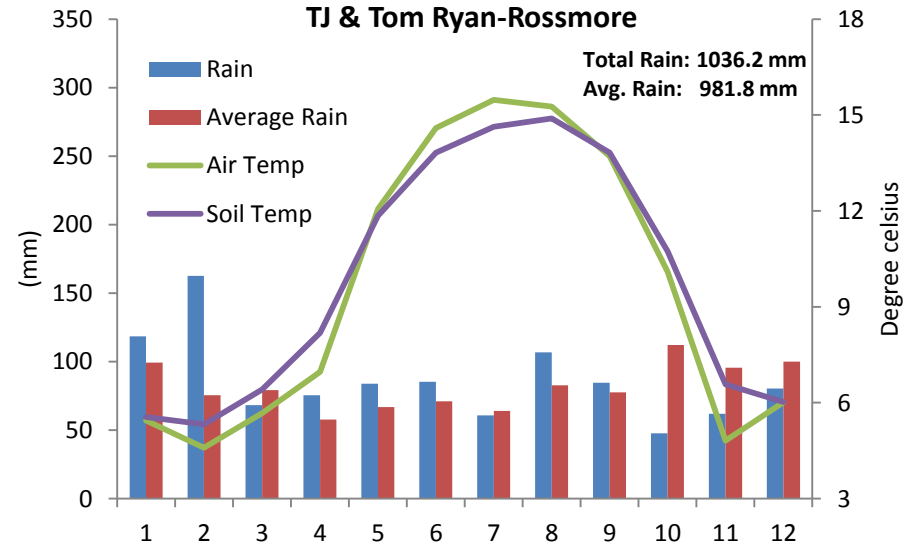
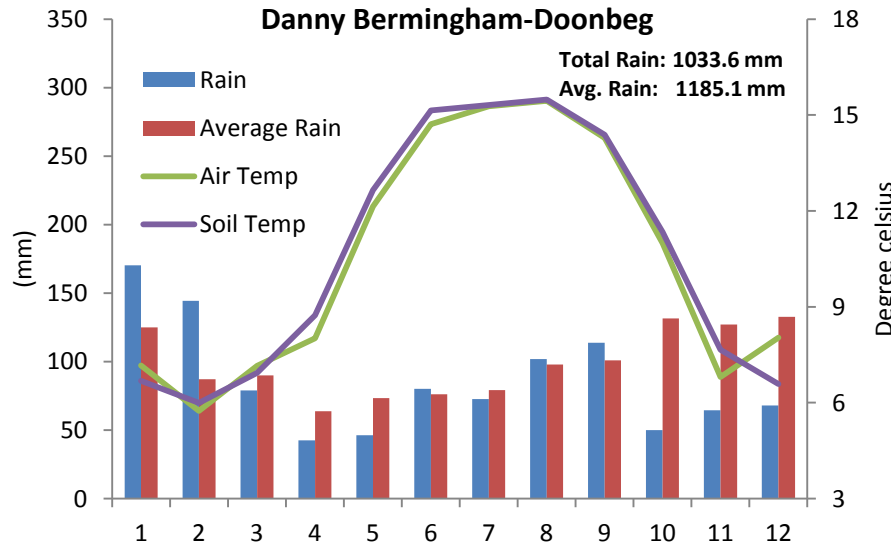
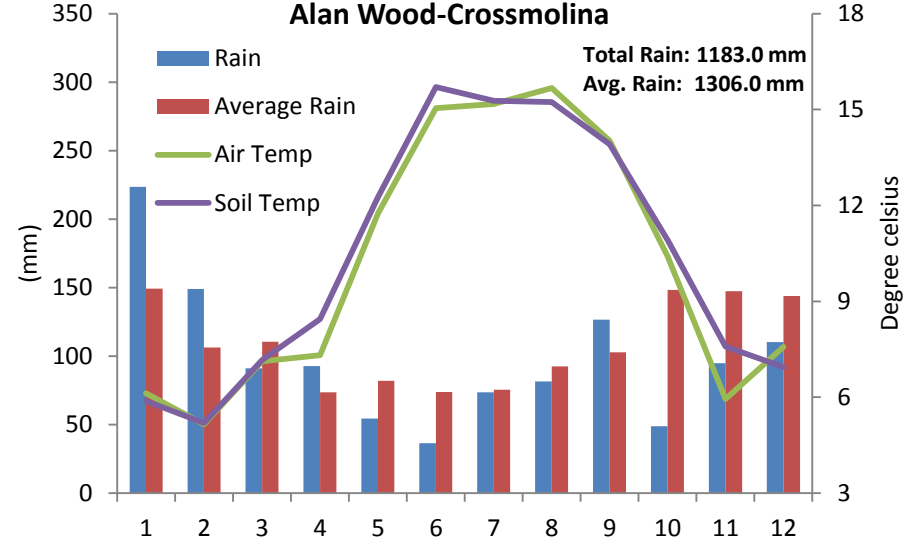
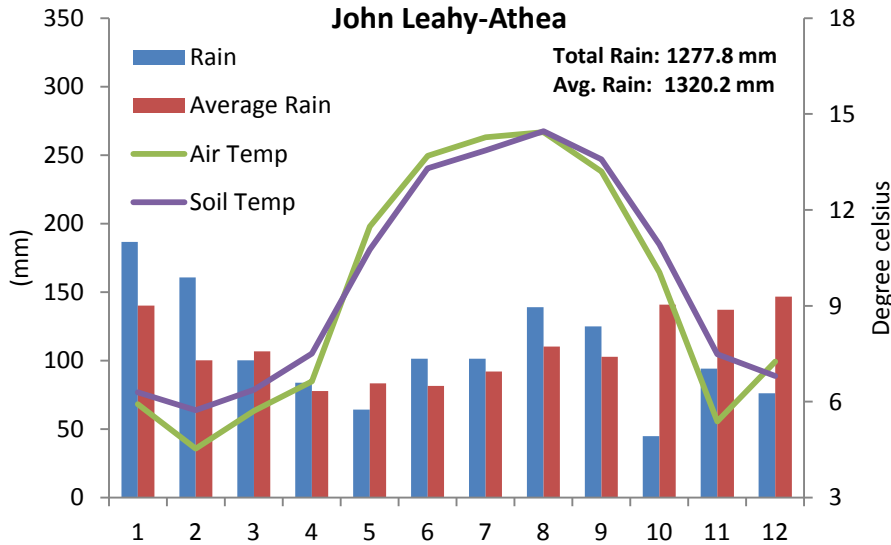


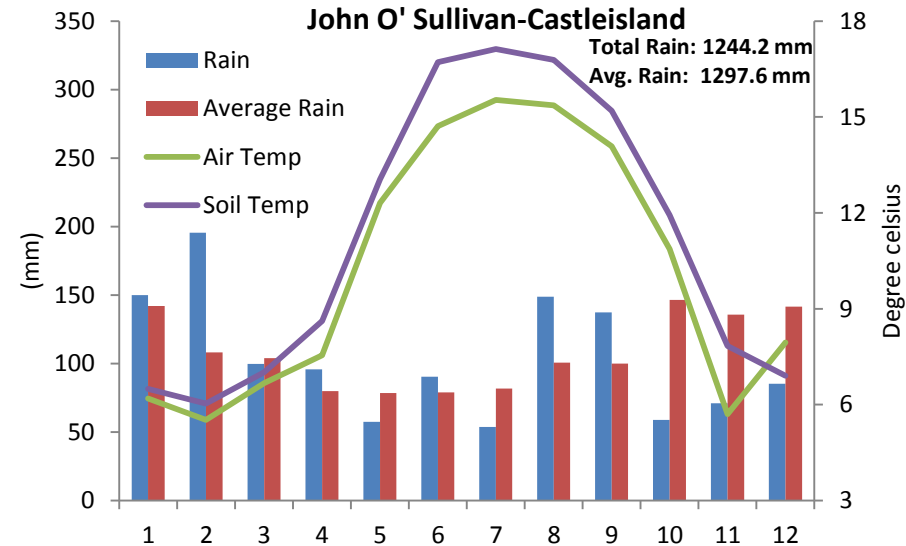
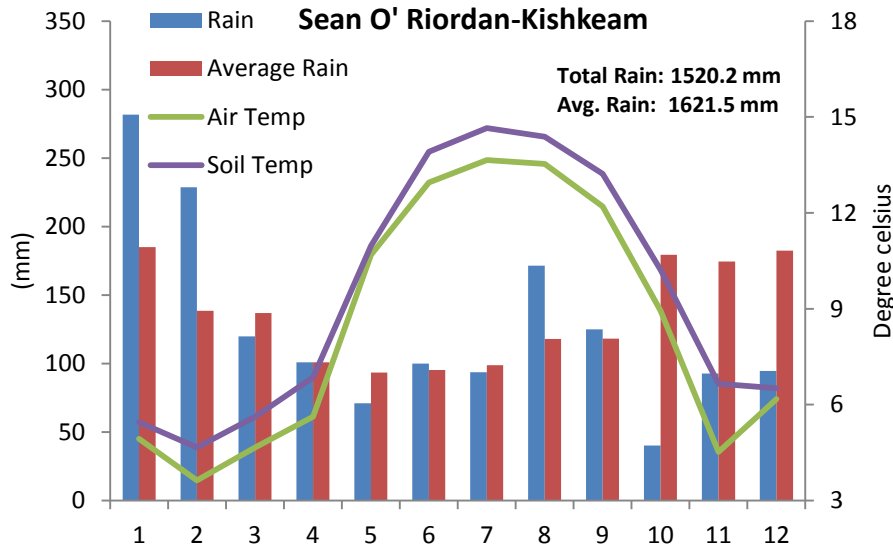
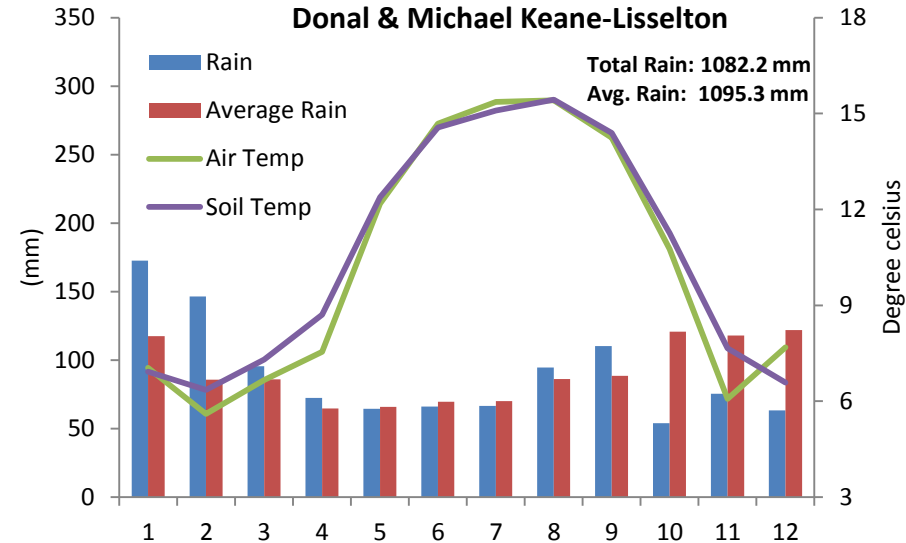
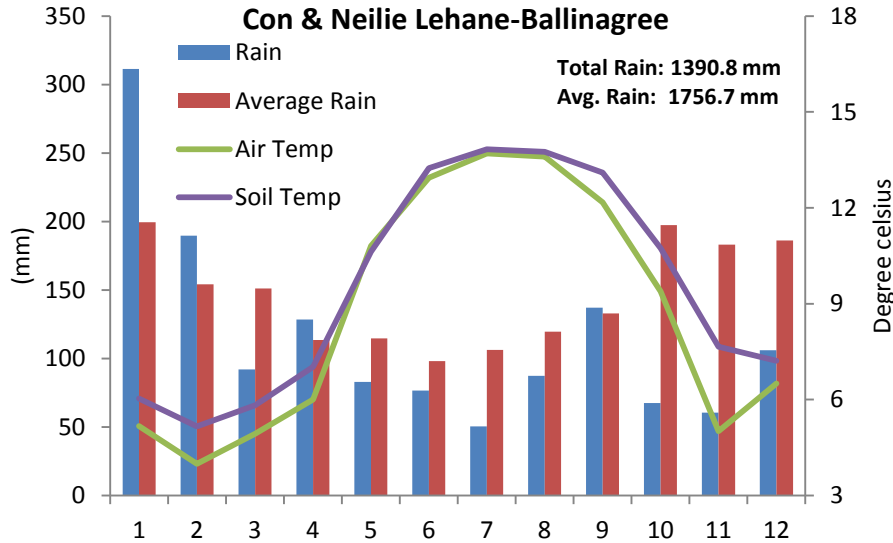
Teagasc Heavy Soils Programme

2016: Summary of weather data
across programme farms

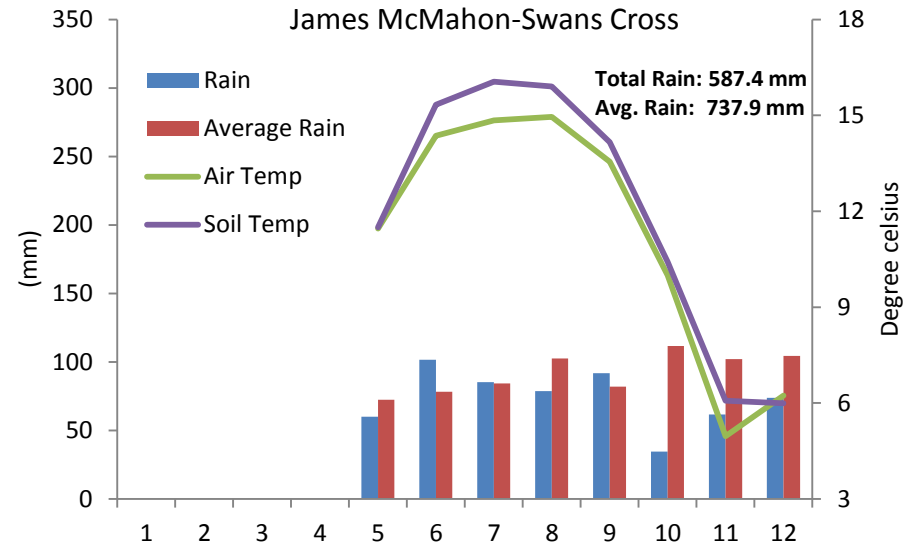
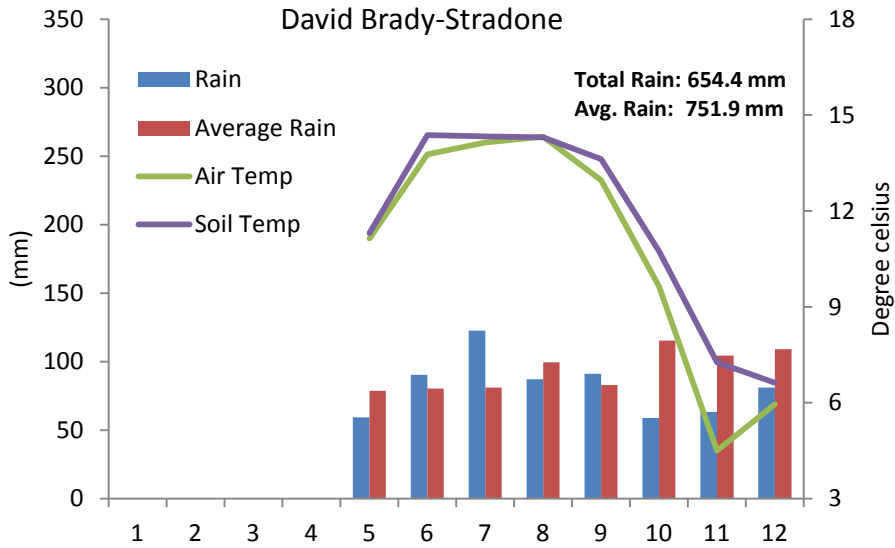
2016 Weather Summaries



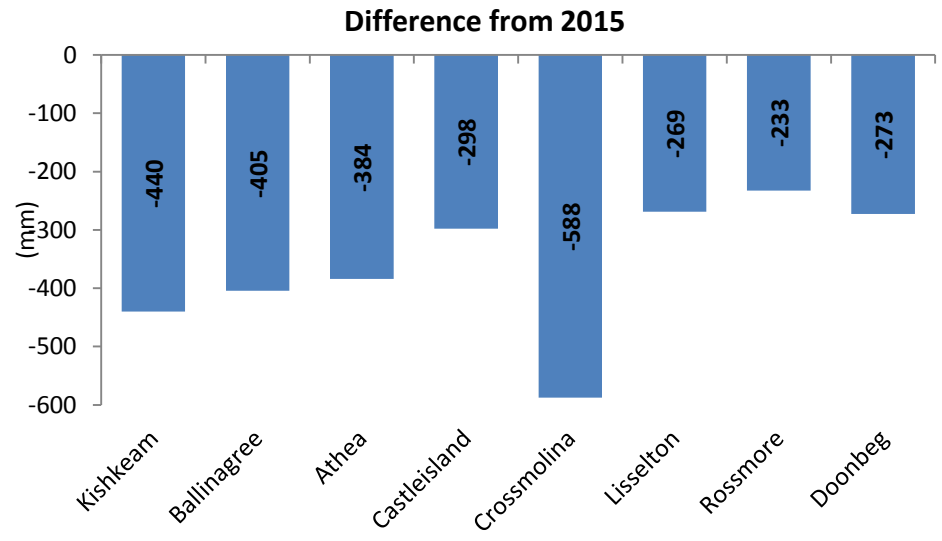
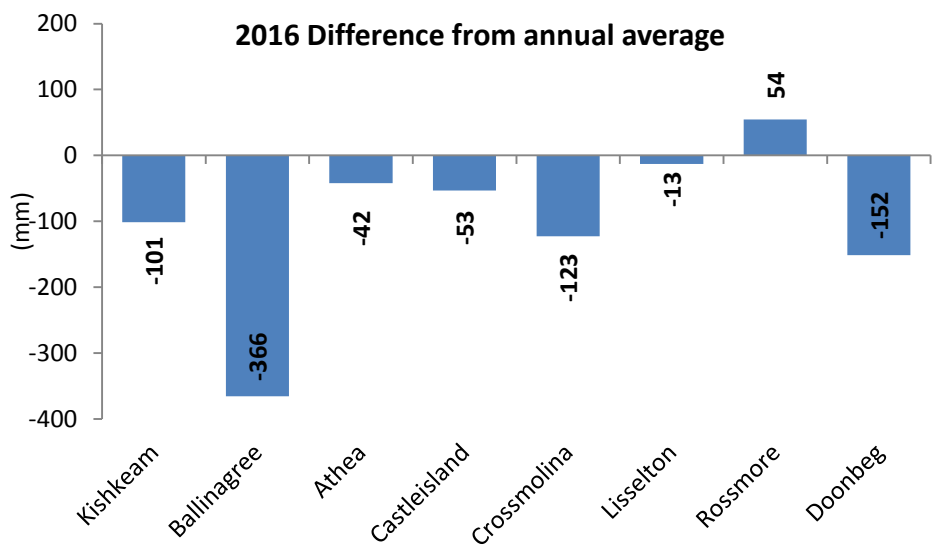
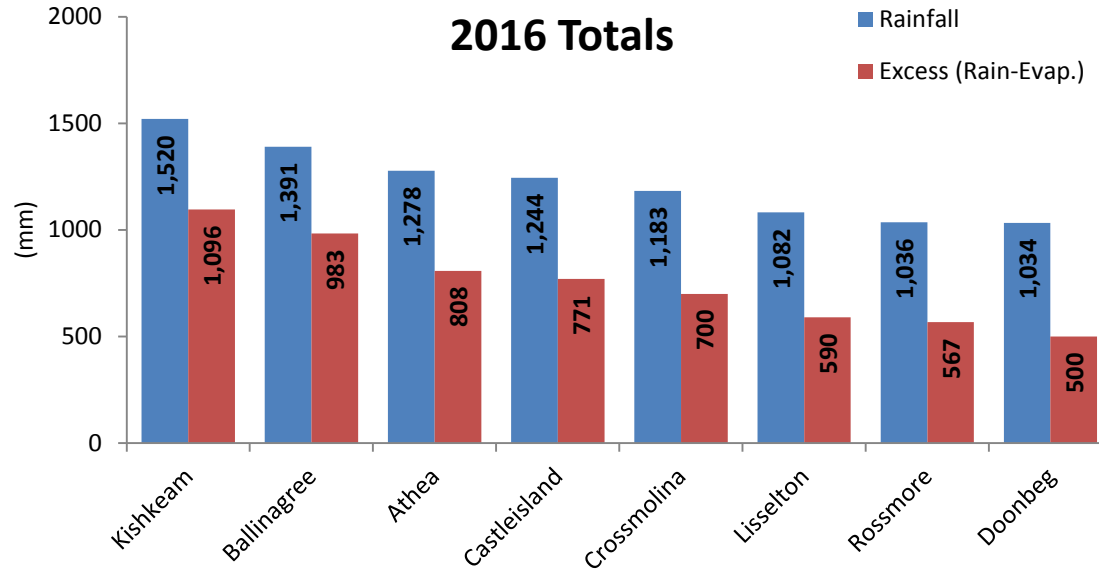
2016 Weather Summaries



2016 Weather Summaries



2016 Weather Summaries



Athea						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	186.6	12.5	5.9	6.3		140.2
Feb	160.8	19.3	4.5	5.7		100.3
Mar	100.2	34.4	5.7	6.4		106.8
Apr	84.0	50.0	6.6	7.5		77.8
May	64.2	66.1	11.5	10.8		83.5
Jun	101.4	63.6	13.7	13.3		81.6
Jul	101.4	59.3	14.3	13.9		92.1
Aug	139.0	55.6	14.4	14.5		110.3
Sep	125.0	41.8	13.2	13.6		102.9
Oct	44.8	32.7	10.1	10.9		140.9
Nov	94.2	17.9	5.4	7.5		137.1
Dec	76.2	16.1	7.3	6.8		146.7
	1277.8	469.4	9.4	9.8		1320.2

Crossmolina						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	223.6	12.6	6.1	5.9		149.2
Feb	149.0	20.7	5.2	5.2		106.4
Mar	91.2	37.0	7.1	7.2		110.5
Apr	92.8	48.0	7.3	8.5		73.6
May	54.4	71.6	11.7	12.3		82.0
Jun	36.4	72.5	15.0	15.7		73.8
Jul	73.6	64.0	15.2	15.3		75.6
Aug	81.6	56.4	15.7	15.2		92.6
Sep	126.6	43.3	14.0	13.9		102.9
Oct	48.8	27.9	10.4	10.9		148.3
Nov	94.8	15.7	5.9	7.6		147.3
Dec	110.2	13.5	7.6	7.0		143.8
	1183.0	483.2	10.1	10.4		1306.0

Doonbeg						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	170.2	17.9	7.2	6.7		124.9
Feb	144.4	25.3	5.7	6.0		87.2
Mar	79.0	43.0	7.2	6.9		89.9
Apr	42.6	58.1	8.0	8.7		63.7
May	46.4	74.6	12.1	12.6		73.5
Jun	80.2	72.9	14.7	15.1		76.3
Jul	72.8	65.4	15.3	15.3		79.2
Aug	101.8	59.3	15.4	15.5		98.0
Sep	113.8	44.9	14.3	14.4		101.0
Oct	50.0	33.8	11.0	11.3		131.5
Nov	64.4	21.5	6.8	7.7		127.2
Dec	68.0	16.8	8.0	6.6		132.7
	1033.6	533.6	10.5	10.6		1185.1

Rossmore						
						Long term average Rain
	Rain	Evap.	Air Temp	Soil Temp		
Jan	118.4	12.0	5.4	5.5		99.2
Feb	162.6	18.3	4.6	5.3		75.4
Mar	68.2	33.8	5.7	6.4		79.3
Apr	75.6	49.3	7.0	8.2		57.7
May	83.8	67.4	12.1	11.8		66.8
Jun	85.4	70.4	14.6	13.8		71.1
Jul	60.8	67.2	15.5	14.6		64.1
Aug	106.8	60.0	15.3	14.9		82.7
Sep	84.6	40.9	13.7	13.8		77.7
Oct	47.6	30.7	10.1	10.7		112.2
Nov	62.0	8.6	4.8	6.6		95.5
Dec	80.4	10.1	6.0	6.0		100.1
	1036.2	468.8	9.6	9.8		981.8

Ballinagree						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	311.4	8.0	5.2	6.0		199.5
Feb	189.8	17.6	4.0	5.2		154.1
Mar	92.0	29.7	4.9	5.8		151.2
Apr	128.6	43.7	6.0	7.0		113.6
May	83.0	59.8	10.8	10.6		114.8
Jun	76.6	61.6	12.9	13.2		98.2
Jul	50.6	56.2	13.7	13.8		106.2
Aug	87.4	49.3	13.6	13.7		119.7
Sep	137.2	30.8	12.2	13.1		132.9
Oct	67.6	25.2	9.4	10.7		197.3
Nov	60.6	17.7	5.0	7.7		183.1
Dec	106.0	7.9	6.5	7.2		186.1
	1390.8	407.5	8.7	9.5		1756.7

Lisselton						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	172.6	14.9	7.0	6.9		117.5
Feb	146.4	21.7	5.6	6.4		85.8
Mar	95.6	37.3	6.7	7.3		85.9
Apr	72.4	53.1	7.5	8.7		64.8
May	64.6	68.8	12.2	12.4		66.0
Jun	66.2	68.6	14.7	14.6		69.6
Jul	66.6	65.4	15.4	15.1		70.2
Aug	94.6	56.6	15.4	15.4		86.2
Sep	110.2	43.3	14.2	14.4		88.5
Oct	54.0	30.9	10.8	11.3		120.8
Nov	75.6	17.4	6.1	7.7		118.0
Dec	63.4	14.2	7.7	6.6		122.0
	1082.2	492.3	10.3	10.6		1095.3

Kishkeam						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	281.8	9.1	4.9	5.5		185.0
Feb	228.8	17.3	3.6	4.7		138.5
Mar	119.8	31.4	4.7	5.6		136.9
Apr	101.0	42.8	5.6	6.9		101.0
May	71.0	60.7	10.7	11.0		93.4
Jun	100.0	64.0	13.0	13.9		95.3
Jul	93.8	58.5	13.7	14.7		98.8
Aug	171.4	52.5	13.5	14.4		117.9
Sep	125.0	37.7	12.2	13.2		118.2
Oct	40.2	27.2	8.9	10.2		179.4
Nov	92.8	14.5	4.5	6.7		174.6
Dec	94.6	8.6	6.2	6.5		182.5
	1520.2	424.3	8.5	9.4		1621.5

Castleisland						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	150.0	8.2	6.2	6.5		142.0
Feb	195.6	21.3	5.5	6.0		108.1
Mar	99.8	37.1	6.7	7.0		103.9
Apr	95.8	50.9	7.5	8.6		80.0
May	57.4	67.2	12.3	13.0		78.5
Jun	90.4	65.8	14.7	16.7		78.9
Jul	53.8	60.3	15.5	17.1		81.7
Aug	148.8	57.5	15.4	16.8		100.6
Sep	137.4	41.9	14.1	15.2		100.0
Oct	58.8	33.0	10.9	11.9		146.5
Nov	71.0	16.8	5.7	7.8		135.8
Dec	85.4	13.8	7.9	6.9		141.6
	1244.2	473.7	10.2	11.1		1297.6

Stradone						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan						106.2
Feb						74.9
Mar						87.2
Apr						73.1
May	59.4	73.4	11.1	11.3		78.7
Jun	90.4	62.5	13.8	14.4		80.4
Jul	122.6	62.8	14.1	14.3		81.2
Aug	87.2	55.9	14.3	14.3		99.6
Sep	91.2	38.0	13.0	13.6		83.0
Oct	59.0	28.8	9.6	10.7		115.5
Nov	63.4	13.3	4.5	7.3		104.5
Dec	81.2	8.9	6.0	6.6		109.0
	654.4	343.7	10.8	11.6		1093.3

Swans Cross						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan						103.8
Feb						76.0
Mar						89.5
Apr						71.3
May	60.0	71.1	11.5	11.5		72.4
Jun	101.6	65.4	14.4	15.3		78.2
Jul	85.2	66.4	14.8	16.0		84.4
Aug	78.8	56.6	14.9	15.9		102.6
Sep	91.8	39.6	13.5	14.2		82.0
Oct	34.6	26.5	10.0	10.4		111.7
Nov	61.6	12.9	5.0	6.1		102.2
Dec	73.8	8.7	6.2	6.0		104.4
	587.4	347.2	11.3	11.9		1078.5

2016 Monthly Rainfall summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kishkeam	281.8	228.8	119.8	101.0	71.0	100.0	93.8	171.4	125.0	40.2	92.8	94.6	1520.2
Ballinagree	311.4	189.8	92.0	128.6	83.0	76.6	50.6	87.4	137.2	67.6	60.6	106.0	1390.8
Athea	186.6	160.8	100.2	84.0	64.2	101.4	101.4	139.0	125.0	44.8	94.2	76.2	1277.8
Castleisland	150.0	195.6	99.8	95.8	57.4	90.4	53.8	148.8	137.4	58.8	71.0	85.4	1244.2
Crossmolina	223.6	149.0	91.2	92.8	54.4	36.4	73.6	81.6	126.6	48.8	94.8	110.2	1183.0
Lisselton	172.6	146.4	95.6	72.4	64.6	66.2	66.6	94.6	110.2	54.0	75.6	63.4	1082.2
Rossmore	118.4	162.6	68.2	75.6	83.8	85.4	60.8	106.8	84.6	47.6	62.0	80.4	1036.2
Doonbeg	170.2	144.4	79.0	42.6	46.4	80.2	72.8	101.8	113.8	50.0	64.4	68.0	1033.6
<i>Stradone</i>					59.4	90.4	122.6	87.2	91.2	59.0	63.4	81.2	
<i>Swans Cross</i>					60.0	101.6	85.2	78.8	91.8	34.6	61.6	73.8	
Average	201.8	172.2	93.2	86.6	64.4	82.9	78.1	109.7	114.3	50.5	74.0	83.9	1221.0

2016 Totals summary

	Rainfall (mm)	Evap. (mm)	Excess (Rain-Evap)	Long Term Average (mm)	Difference from LTA (mm)
Kishkeam	1520.2	424.3	1095.9	1621.5	-101.3
Ballinagree	1390.8	407.5	983.3	1756.7	-365.9
Athea	1277.8	469.4	808.4	1320.2	-42.4
Castleisland	1244.2	473.7	770.5	1297.6	-53.4
Crossmolina	1183.0	483.2	699.8	1306.0	-123.0
Lisselton	1082.2	492.3	589.9	1095.3	-13.1
Rossmore	1036.2	468.8	567.4	981.8	+54.4
Doonbeg	1033.6	533.6	500.0	1185.1	-151.5
Mean	1221.0	469.1	751.9	1320.5	-99.5
<i>Stradone</i>	654.4	343.7	310.7		
<i>Swans Cross</i>	587.4	347.2	240.2		

Site details

Site	Northing	Westing	Elevation (m) ASL
Kishkeam	52°12'	09°08'	233
Ballinagree	51°59'	08°56'	231
Athea	52°27'	09°19'	139
Castleisland	52°13'	09°28'	36
Crossmolina	54°06'	09°17'	15
Lisselton	52°28'	09°33'	8
Rossmore	52°36'	08°01'	105
Doonbeg	52°44'	09°30'	9
<i>Stradone</i>	53°57'	07°11'	180
<i>Swans Cross</i>	54°09'	07°02'	115

Note: ASL = above sea level