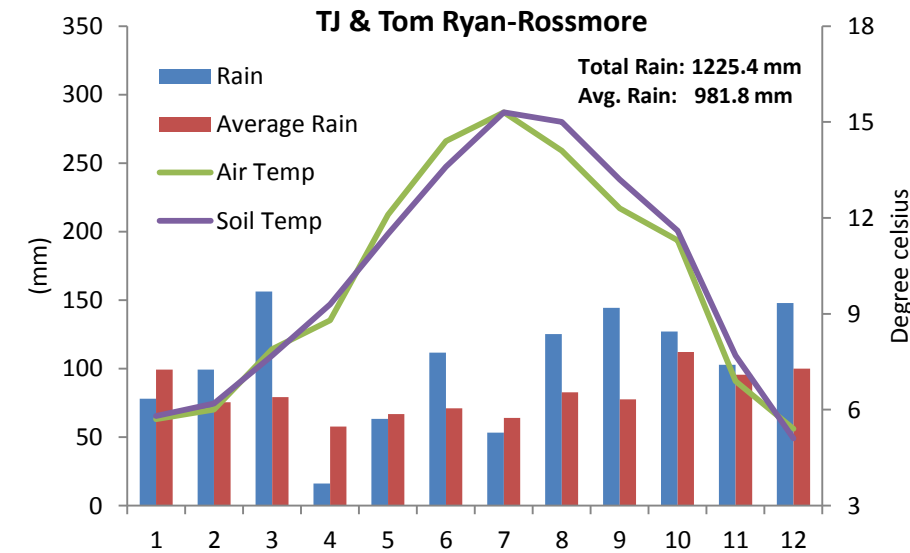
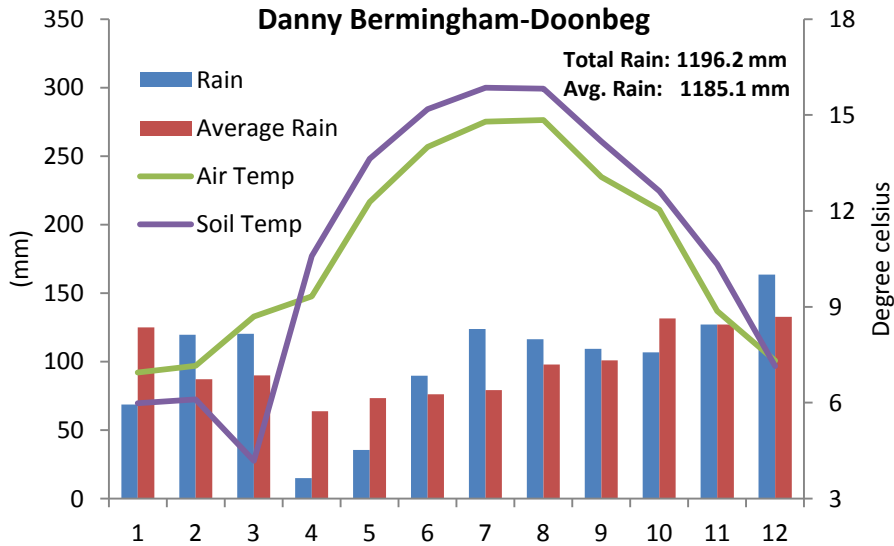
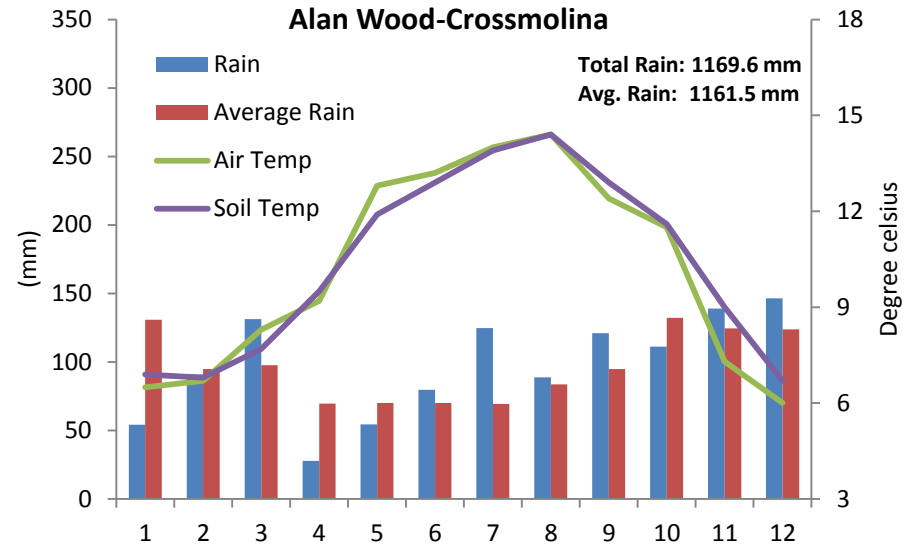
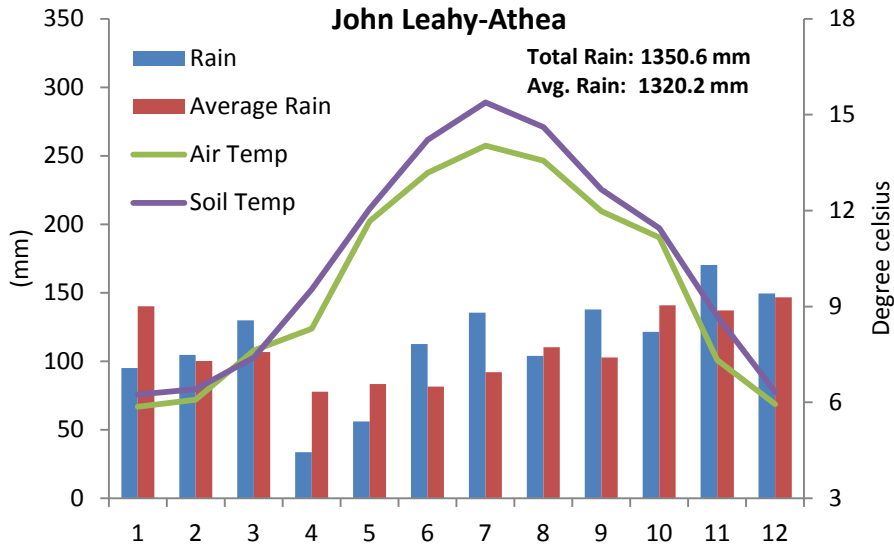


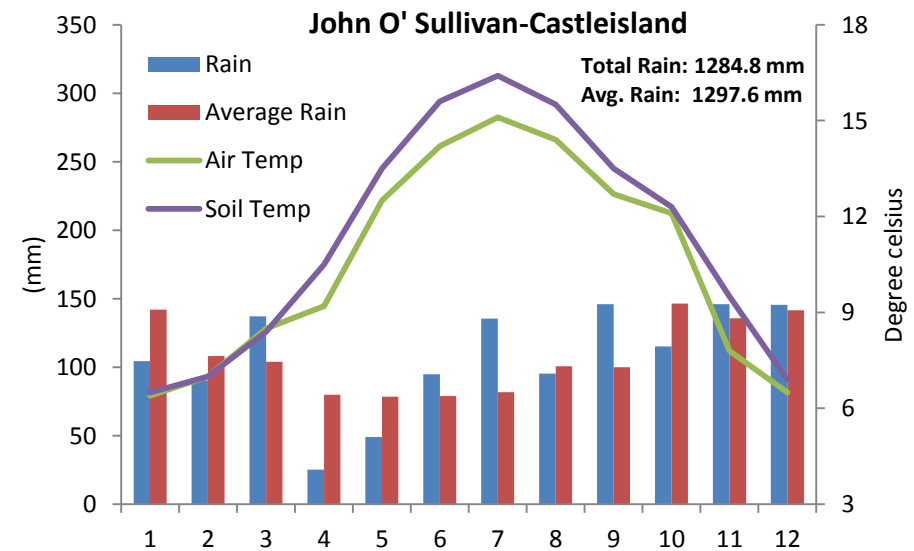
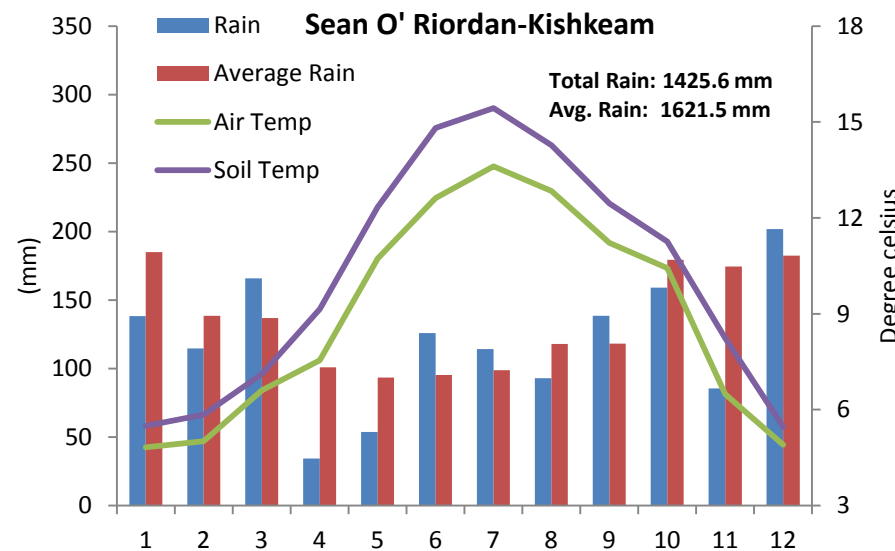
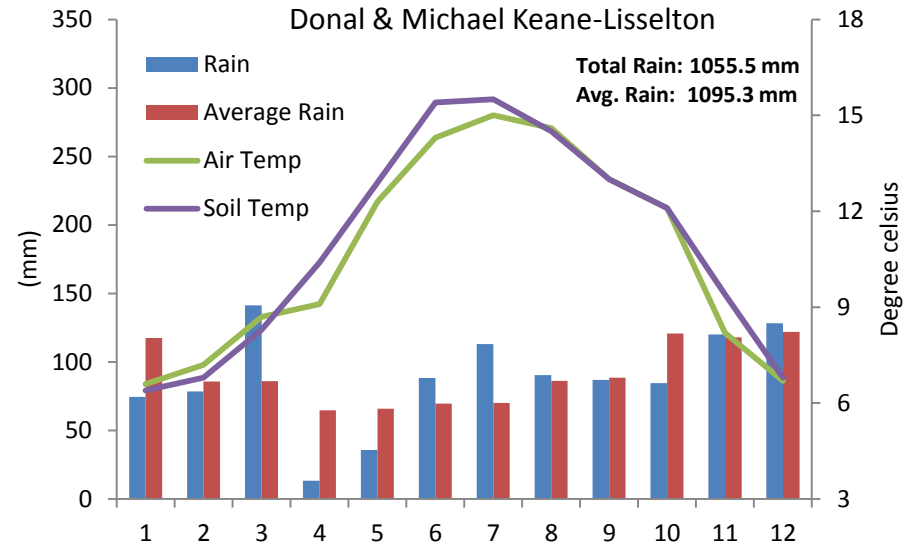
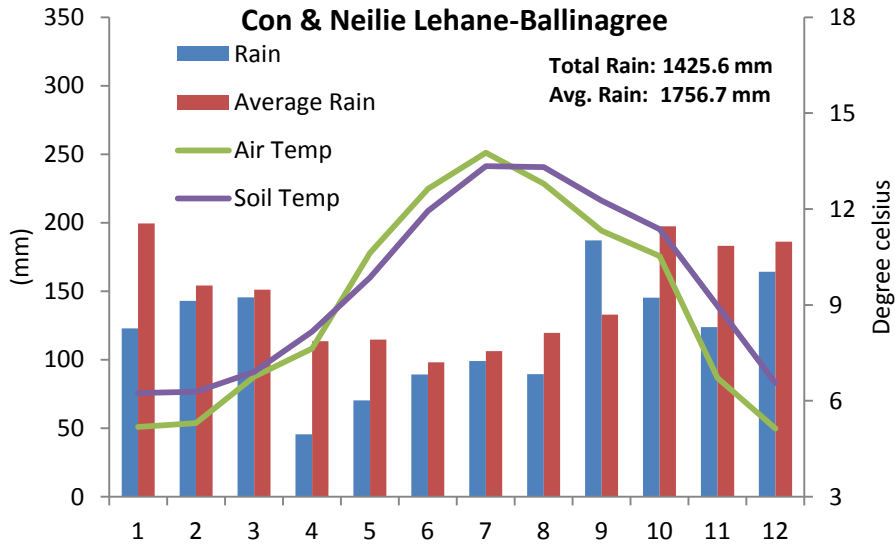
Teagasc Heavy Soils Programme

2017: Summary of weather data
across programme farms

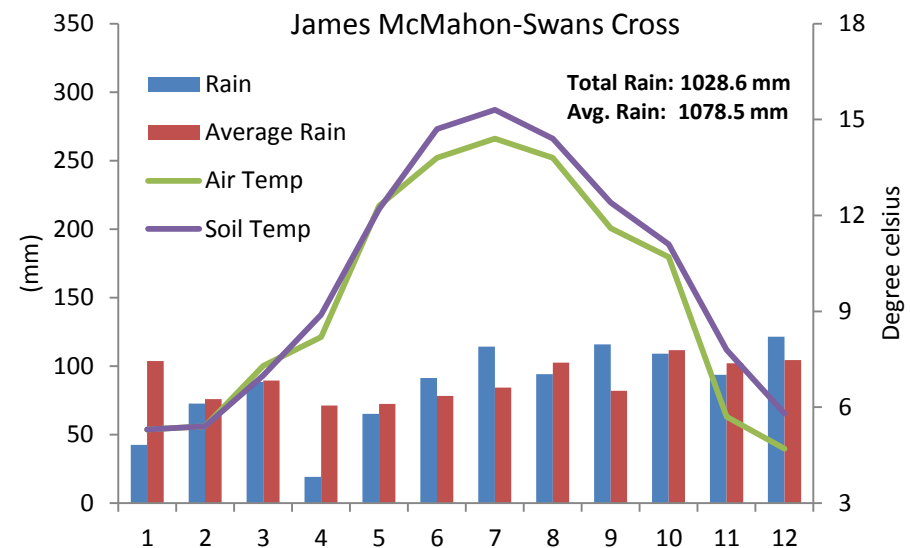
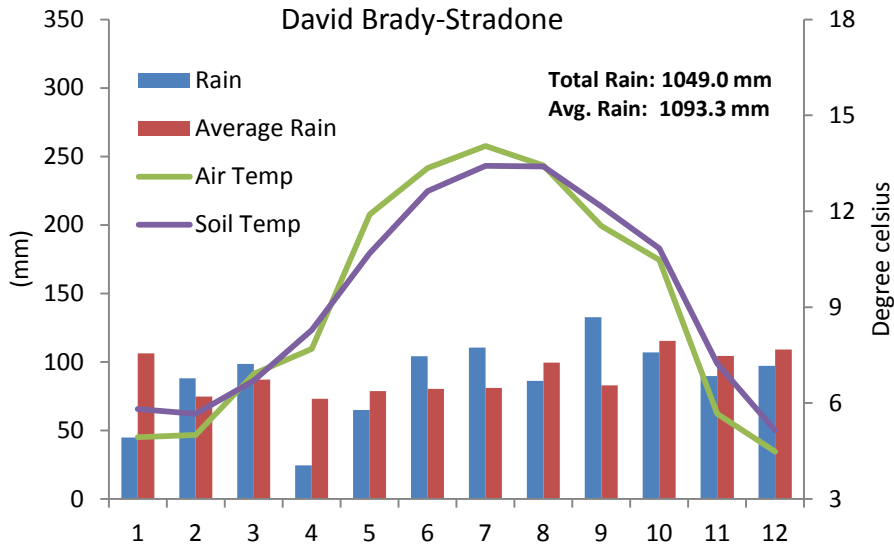
2017 Weather Summaries



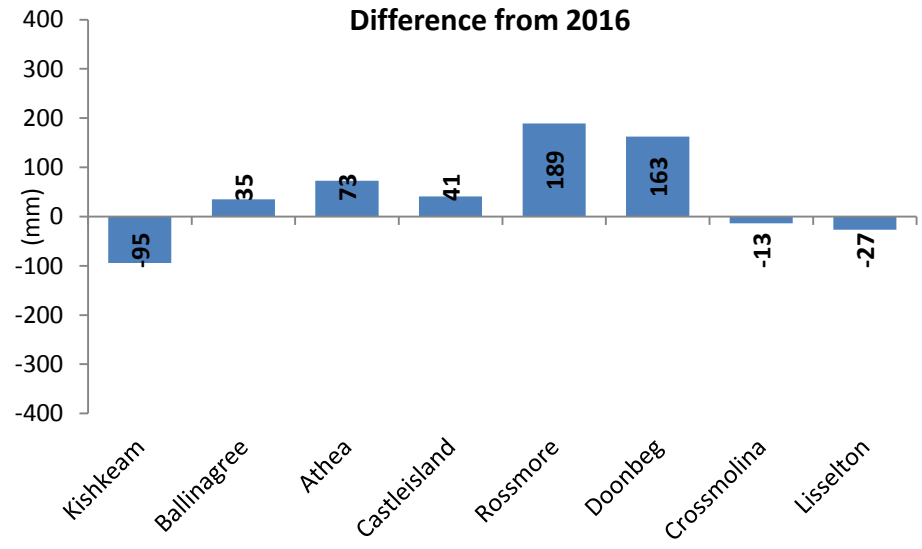
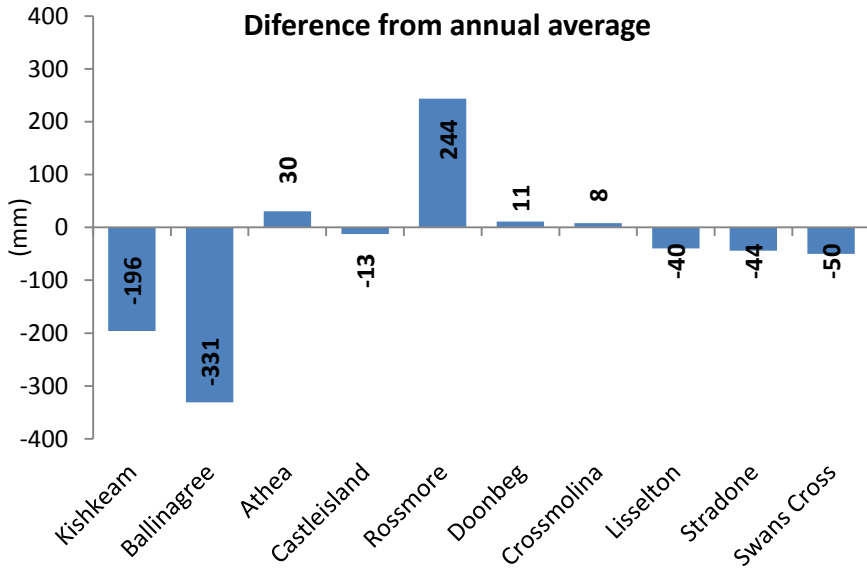
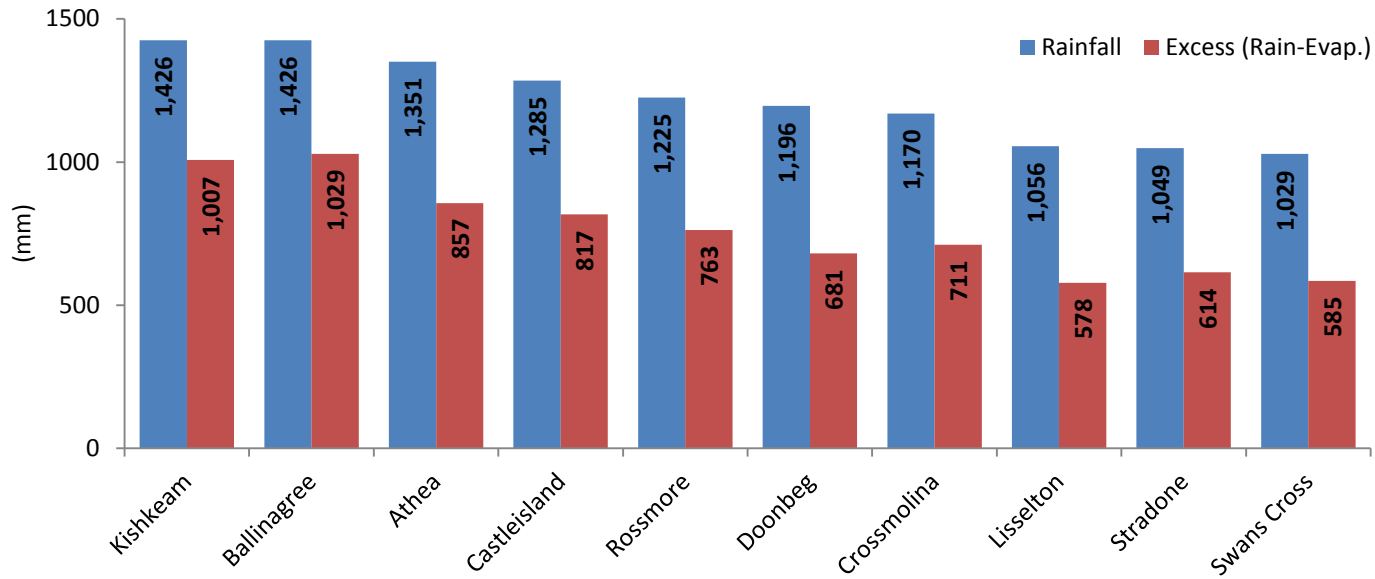
2017 Weather Summaries



2017 Weather Summaries



2017 Weather Summaries



Athea						
	Rain	Evap.	Air Temp	Soil Temp		Long term average rain
Jan	95.2	16.3	5.9	6.2		140.2
Feb	104.6	21.9	6.1	6.4		100.3
Mar	129.8	38.0	7.6	7.4		106.8
Apr	33.8	50.0	8.3	9.5		77.8
May	56.0	70.9	11.7	12.1		83.5
Jun	112.6	66.7	13.2	14.2		81.6
Jul	135.4	63.4	14.0	15.4		92.1
Aug	104.0	55.9	13.6	14.6		110.3
Sep	137.8	50.1	12.0	12.7		102.9
Oct	121.4	29.4	11.2	11.5		140.9
Nov	170.4	17.9	7.3	8.7		137.1
Dec	149.6	13.2	5.9	6.3		146.7
	1350.6	493.7	9.7	10.4		1320.2

Crossmolina						
	Rain	Evap.	Air Temp	Soil Temp		Long term average rain
Jan	54.2	13.8	6.5	6.9		130.8
Feb	91	18.2	6.7	6.8		94.8
Mar	131.4	40.2	8.3	7.7		97.7
Apr	27.8	40.7	9.2	9.5		69.7
May	54.4	78.1	12.8	11.9		70.0
Jun	79.7	64.2	13.2	12.9		70.1
Jul	124.7	61.4	14	13.9		69.3
Aug	88.8	56.2	14.4	14.4		83.6
Sep	121	39.6	12.4	12.9		94.9
Oct	111.2	23.6	11.5	11.6		132.2
Nov	139	13	7.3	9		124.5
Dec	146.4	9.3	6	6.7		123.9
	1169.6	458.3	10.2	10.4		1161.5

Doonbeg						
	Rain	Evap.	Air Temp	Soil Temp		Long term average rain
Jan	68.8	17.3	7.0	6.0		124.9
Feb	119.6	20.5	7.2	6.1		87.2
Mar	120.4	40.3	8.7	4.2		89.9
Apr	15.0	56.3	9.3	10.6		63.7
May	35.6	73.6	12.3	13.6		73.5
Jun	89.8	66.8	14.0	15.2		76.3
Jul	123.8	64.9	14.8	15.9		79.2
Aug	116.4	61.3	14.8	15.8		98.0
Sep	109.4	47.8	13.1	14.2		101.0
Oct	106.8	28.0	12.0	12.6		131.5
Nov	127.0	21.4	8.9	10.3		127.2
Dec	163.6	17.0	7.3	7.1		132.7
	1169.6	458.3	10.2	10.4		1185.1

Rossmore						
	Rain	Evap.	Air Temp	Soil Temp		Long term average rain
Jan	78.0	13.7	5.7	5.8		99.2
Feb	99.2	15.9	6.0	6.2		75.4
Mar	156.4	34.7	7.9	7.7		79.3
Apr	16.2	44.3	8.8	9.3		57.7
May	63.4	65.6	12.1	11.5		66.8
Jun	111.6	69.6	14.4	13.6		71.1
Jul	53.4	72.7	15.3	15.3		64.1
Aug	125.2	53.3	14.1	15		82.7
Sep	144.4	41.7	12.3	13.2		77.7
Oct	127	25.6	11.3	11.6		112.2
Nov	102.8	15.1	6.9	7.7		95.5
Dec	147.8	10.4	5.4	5.1		100.1
	1225.4	462.6	10.0	10.2		981.8

Ballinagree						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	122.8	11.0	5.2	6.2		199.5
Feb	143.0	14.2	5.3	6.3		154.1
Mar	145.6	30.8	6.8	6.9		151.2
Apr	45.6	42.9	7.6	8.2		113.6
May	70.4	56.3	10.6	9.9		114.8
Jun	89.2	58.3	12.6	11.9		98.2
Jul	99.0	61.2	13.8	13.3		106.2
Aug	89.6	46.2	12.8	13.3		119.7
Sep	187.0	35.2	11.3	12.3		132.9
Oct	145.4	18.2	10.5	11.4		197.3
Nov	123.8	13.2	6.7	9.0		183.1
Dec	164.2	9.1	5.1	6.6		186.1
	1425.6	396.7	9.0	9.6		1756.7

Lisselton						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	74.6	14.8	6.6	6.4		117.5
Feb	78.6	21.4	7.2	6.8		85.8
Mar	141.3	38	8.7	8.3		85.9
Apr	13.4	51.9	9.1	10.4		64.8
May	35.8	67.7	12.3	12.9		66.0
Jun	88.4	67.2	14.3	15.4		69.6
Jul	113	63.7	15	15.5		70.2
Aug	90.4	56.8	14.6	14.5		86.2
Sep	87	43.2	13	13		88.5
Oct	84.6	25.3	12.1	12.1		120.8
Nov	120.2	14.3	8.2	9.4		118.0
Dec	128.2	12.9	6.7	6.8		122.0
	1055.5	477.2	10.7	11.0		1095.3

Kishkeam						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	138.4	10.6	4.8	5.5		185.0
Feb	114.8	15.0	5.0	5.8		138.5
Mar	165.8	31.5	6.6	7.1		136.9
Apr	34.4	44.8	7.5	9.1		101.0
May	53.8	61.0	10.7	12.3		93.4
Jun	126.0	60.0	12.6	14.8		95.3
Jul	114.2	61.5	13.6	15.4		98.8
Aug	93.0	52.3	12.8	14.3		117.9
Sep	138.6	37.9	11.2	12.5		118.2
Oct	159.2	22.0	10.4	11.3		179.4
Nov	85.6	13.2	6.5	8.2		174.6
Dec	201.8	8.6	4.9	5.5		182.5
	1425.6	418.4	8.9	10.2		1621.5

Castleisland						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	104.4	14.1	6.4	6.5		142.0
Feb	90.4	19	7	7		108.1
Mar	137.2	36.3	8.5	8.4		103.9
Apr	25.2	50	9.2	10.5		80.0
May	49.2	69.9	12.5	13.5		78.5
Jun	94.8	65.3	14.2	15.6		78.9
Jul	135.4	63.5	15.1	16.4		81.7
Aug	95.4	55	14.4	15.5		100.6
Sep	146	42.4	12.7	13.5		100.0
Oct	115.2	25.6	12.1	12.3		146.5
Nov	146	14.3	7.8	9.5		135.8
Dec	145.6	12.2	6.5	6.9		141.6
	1284.8	467.6	10.5	11.3		1297.6

Stradone						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	45.0	10.2	4.9	5.8		106.2
Feb	88.2	12.1	5.0	5.7		74.9
Mar	98.6	33.8	6.9	6.7		87.2
Apr	24.6	42.6	7.7	8.3		73.1
May	65.0	75.5	11.9	10.7		78.7
Jun	104.2	64.2	13.3	12.6		80.4
Jul	110.4	63.9	14.0	13.4		81.2
Aug	86.2	52.6	13.4	13.4		99.6
Sep	132.8	38.7	11.5	12.1		83.0
Oct	107.0	22.2	10.5	10.8		115.5
Nov	89.8	12.1	5.7	7.2		104.5
Dec	97.2	6.6	4.5	5.1		109.0
	1049.0	434.6	9.1	9.3		1093.3

Swans Cross						
	Rain	Evap.	Air Temp	Soil Temp		Long term average Rain
Jan	42.6	10.4	5.3	5.3		103.8
Feb	72.8	14.1	5.4	5.4		76.0
Mar	88.6	34.8	7.3	7		89.5
Apr	19.2	44.5	8.2	8.9		71.3
May	65.2	75.8	12.3	12.2		72.4
Jun	91.4	65.2	13.8	14.7		78.2
Jul	114.2	66.8	14.4	15.3		84.4
Aug	94.2	54.9	13.8	14.4		102.6
Sep	116	36.6	11.6	12.4		82.0
Oct	109.2	22.7	10.7	11.1		111.7
Nov	93.6	11.2	5.7	7.8		102.2
Dec	121.6	6.8	4.7	5.8		104.4
	1028.6	443.8	9.4	10.0		1078.5

2017 Monthly Rainfall summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kishkeam	138.4	114.8	165.8	34.4	53.8	126.0	114.2	93.0	138.6	159.2	85.6	201.8	1425.6
Ballinagree	122.8	143.0	145.6	45.6	70.4	89.2	99.0	89.6	187.0	145.4	123.8	164.2	1425.6
Athea	95.2	104.6	129.8	33.8	56.0	112.6	135.4	104.0	137.8	121.4	170.4	149.6	1350.6
Castleisland	104.4	90.4	137.2	25.2	49.2	94.8	135.4	95.4	146.0	115.2	146.0	145.6	1284.8
Rossmore	78.0	99.2	156.4	16.2	63.4	111.6	53.4	125.2	144.4	127	102.8	147.8	1225.4
Doonbeg	68.8	119.6	120.4	15.0	35.6	89.8	123.8	116.4	109.4	106.8	127.0	163.6	1196.2
Crossmolina	54.2	91.0	131.4	27.8	54.4	79.7	124.7	88.8	121.0	111.2	139	146.4	1169.6
Lisselton	74.6	78.6	141.3	13.4	35.8	88.4	113	90.4	87.0	84.6	120.2	128.2	1055.5
Stradone	45.0	88.2	98.6	24.6	65.0	104.2	110.4	86.2	132.8	107.0	89.8	97.2	1049.0
Swans Cross	42.6	72.8	88.6	19.2	65.2	91.4	114.2	94.2	116	109.2	93.6	121.6	1028.6
Average	82.4	100.2	131.5	25.5	54.9	98.8	112.4	98.3	132.0	118.7	119.8	146.6	1221.1

2017 Totals summary

	Rainfall (mm)	Evap. (mm)	Excess (Rain-Evap)	Long Term Average (mm)	Difference from LTA (mm)
Kishkeam	1425.6	418.4	1007.2	1621.5	-195.9
Ballinagree	1425.6	396.7	1028.9	1756.7	-331.1
Athea	1350.6	493.7	856.9	1320.2	30.4
Castleisland	1284.8	467.6	817.2	1297.6	-12.8
Rossmore	1225.4	462.6	762.8	981.8	243.6
Doonbeg	1196.2	515.2	681.0	1185.1	11.1
Crossmolina	1169.6	458.3	711.3	1161.5	8.1
Lisselton	1055.5	477.2	578.3	1095.3	-39.8
Stradone	1049.0	434.6	614.4	1093.3	-44.3
Swans Cross	1028.6	443.8	584.8	1078.5	-49.9
Mean	1221.1	456.8	764.3	1259.2	-38.1

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
Rossmore	52°36'	08°01'	105
Doonbeg	52°44'	09°30'	9
Crossmolina	54°06'	09°17'	15
Lisselton	52°28'	09°33'	8
Stradone	53°57'	07°11'	180
Swans Cross	54°09'	07°02'	115

Note: ASL = above sea level