

## Appendix 2 – Rainfall Amounts and Frequencies for Major Cotton Growing Locations

### *Emerald*

Variable	Mar	Apr	May
Mean (mm)	68	36	34
Standard deviation (mm)	68	41	42
Mean raindays	6	4	4
Median (mm)	51	21	24
80% yrs at least (mm)	14	2	2
20% yrs at least (mm)	100	65	54
Mean monthly maximum temperature (°C)	31.9	29.5	25.7
Mean monthly minimum temperature (°C)	19.7	16.5	12.5

### *Dalby*

Variable	Mar	Apr	May
Mean (mm)	64	37	37
Standard deviation (mm)	51	38	37
Mean raindays	6	4	5
Median (mm)	55	27	26
80% yrs at least (mm)	19	5	9
20% yrs at least (mm)	105	66	56
Mean monthly maximum temperature (°C)	29.5	26.7	22.5
Mean monthly minimum temperature (°C)	16.8	13.3	9

### *St George*

Variable	Mar	Apr	May
Mean (mm)	64	37	37
Standard deviation (mm)	51	38	37
Mean raindays	6	4	5
Median (mm)	55	27	26
80% yrs at least (mm)	19	5	9
20% yrs at least (mm)	105	66	56
Mean monthly maximum temperature (°C)	29.5	26.7	22.5
Mean monthly minimum temperature (°C)	16.8	13.3	9

### *Goondiwindi*

Variable	Mar	Apr	May
Mean (mm)	59	37	43
Standard deviation (mm)	56	44	41
Mean raindays	5	4	5
Median (mm)	39	25	33
80% yrs at least (mm)	11	4	11
20% yrs at least (mm)	108	60	69
Mean monthly maximum temperature (°C)	30.8	27.3	22.4
Mean monthly minimum temperature (°C)	17.9	14.1	9.8

### *Moree*

Variable	Mar	Apr	May
Mean (mm)	58	34	41
Standard deviation (mm)	62	37	41
Mean raindays	5	4	5
Median (mm)	41	24	28
80% yrs at least (mm)	11	4	9
20% yrs at least (mm)	89	54	64
Mean monthly maximum temperature (°C)	30.7	26.5	21.8
Mean monthly minimum temperature (°C)	17.2	12.8	8.7

### *Narrabri*

Variable	Mar	Apr	May
Mean (mm)	58	40	49
Standard deviation (mm)	60	43	46
Mean raindays	5	4	5
Median (mm)	39	28	34
80% yrs at least (mm)	13	4	11
20% yrs at least (mm)	90	73	81
Mean monthly maximum temperature (°C)	30.9	26.9	22
Mean monthly minimum temperature (°C)	16.4	12.1	8.2

### *Gunnedah*

Variable	Mar	Apr	May
Mean (mm)	49	39	44
Standard deviation (mm)	53	36	38
Mean raindays	5	4	5
Median (mm)	36	34	33
80% yrs at least (mm)	11	7	10
20% yrs at least (mm)	78	60	74
Mean monthly maximum temperature (°C)	29.7	26	20.9
Mean monthly minimum temperature (°C)	16.4	12.2	8.3

### *Bourke*

Variable	Mar	Apr	May
Mean (mm)	35	28	30
Standard deviation (mm)	49	40	32
Mean raindays	4	3	4
Median (mm)	18	14	21
80% yrs at least (mm)	3	1	3
20% yrs at least (mm)	47	47	47
Mean monthly maximum temperature (°C)	31.6	27.2	21.9
Mean monthly minimum temperature (°C)	17.8	13.4	9.2

### *Warren*

Variable	Mar	Apr	May
Mean (mm)	43	40	39
Standard deviation (mm)	47	50	35
Mean raindays	4	4	5
Median (mm)	27	25	31
80% yrs at least (mm)	5	3	11
20% yrs at least (mm)	85	62	60
Mean monthly maximum temperature (°C)	30	25.7	20.4
Mean monthly minimum temperature (°C)	15.1	10.3	6.6

### *Hillston*

Variable	Mar	Apr	May
Mean (mm)	33	28	34
Standard deviation (mm)	41	32	26
Mean raindays	4	4	5
Median (mm)	16	16	27
80% yrs at least (mm)	4	3	10
20% yrs at least (mm)	59	47	57
Mean monthly maximum temperature (°C)	29.3	24.3	19.2
Mean monthly minimum temperature (°C)	15.5	11	7.6

Data source: Rainman Ver. 4.