

### Freezing Rain

Amount (inches)	Beckley, WV*		Roanoke, VA		Lynchburg, VA		Richmond, VA		Norfolk, VA		Asheville, NC		Greensboro, NC		Charlotte, NC		Raleigh, NC	
	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)
Measurable	0.3	~100	0.4	~100	0.3	~100	0.5	~100	1.5	67	0.6	~100	0.4	~100	0.5	~100	0.5	~100
>0.12	1.1	91	0.8	~100	0.7	~100	1.0	~100	2.8	36	1.6	63	0.7	~100	1.1	91	1.1	91
>0.25	1.9	53	1.3	77	1.0	~100	1.5	67	10.6	9	3.4	29	0.9	~100	1.8	56	2.0	50
>0.50	5.0	20	3.2	31	2.9	34	2.9	34			9.2	11	2.4	42	3.9	26	7.9	13
>0.75	13.3	8	5.5	18	7.9	13	9.2	11			27.5	4	6.1	16	27.5	4	18.3	5
>1.00	20.0	5	18.3	5	55.0	2	55.0	2			55.0	2	18.3	5	55.0	2	27.5	4
>1.50	40.0	3	55.0	2														

Amount (inches)	Wilmington, NC		Bristol, TN		Knoxville, TN		Chattanooga, TN		Green-Spart, SC**		Columbia, SC		Athens, GA***		Atlanta, GA		Augusta, GA****	
	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)	MRI	Annual Prob (%)
Measurable	1.5	67	0.9	~100	1.0	100	1.2	83	0.6	~100	1.4	71	0.7	~100	0.9	~100	2.3	43
>0.12	3.8	26	4.6	22	2.3	43	2.3	43	1.1	91	2.2	45	1.3	77	1.6	63	4.1	24
>0.25	7.7	13	13.8	7	4.2	24	3.7	27	1.5	67	2.8	36	1.9	53	2.4	42	5.6	18
>0.50	46.0	2			55.0	2	13.0	8	3.1	32	9.4	11	4.4	23	5.3	19	15.0	7
>0.75	46.0	2					26.0	4	10.0	10	15.7	6	14.7	7	8.8	11	45.0	2
>1.00									40.0	3	47.0	2	44.0	2	17.7	6	45.0	2
>1.50																		

\* Beckley, WV time series: 40 years

\*\* Greenville-Spartanburg, SC time series: 41 years

\*\*\* Athens, GA time series: 48 years

\*\*\*\* Augusta, GA time series: 54 years

MRI = the reciprocal of the probability that an event will occur in a given time span ( *Shaeffer, J.T., 1984: The mean recurrence interval (MRI). Central Region Technical Attachment 84-6, Kansas City, MO, 5 pp.* )

Annual Probability = the percent probability that an event with a given intensity will occur in a given year ( 1 / MRI)