

Table 4. Application Rate Recommended for Cold Protection Under Different Wind and Temperature Conditions. ^b

Minimum Temperature Expected	WIND SPEED IN M.P.H.		
	0 to 1	2 to 4	5 to 8
	Application Rate (inches/hour)		
27°F	0.10	0.10	0.10
26°F	0.10	0.10	0.14
24°F	0.10	0.16	0.3
22°F	0.12	0.24	0.5
20°F	0.16	0.3	0.6
18°F	0.20	0.4	0.7
15°F	0.26	0.5	0.9

^b Ext. Circular 287, Florida Agricultural Extension Service, by Gerber and Martsof.

Table 5. Precipitation Rate for Selected Nozzle Capacity and Sprinkler Spacings.

Sprinkler Spacing (ft.)	Gallons Per Minute/Sprinkler								
	2	3	4	5	6	8	10	12	15
30 x 30	.21	.32							
30 x 40	.16	.24	.32						
40 x 40		.18	.24	.30					
40 x 50		.14	.19	.24	.29				
40 x 60		.12	.16	.20	.24	.32			
50 x 50		.12	.15	.19	.23	.31			
50 x 60			.13	.16	.19	.26	.32		
60 x 60				.13	.16	.21	.27	.32	
60 x 70					.14	.18	.23	.28	.34

Table 6. Approximate Pump Capacities Required for Different Application Rates

Application Rate (in./hr.)	ACRES IRRIGATED					
	1	2	4	8	10	20
	Pump Capacity Required (GPM)					
0.10	45	90	180	360	450	900
0.15	68	135	270	540	675	1350
0.20	90	180	360	720	900	1800
0.25	113	225	450	900	1125	2250
0.30	135	270	540	1080	1350	2700
0.35	158	315	630	1260	1580	3160