

TABLE 684-5
CENTER-PIVOT IRRIGATION SYSTEMS

% of Water applied in last 100 ft. (1)	Total system length (in feet) (2)	Total area of square field twice length of system (in acres) (3)	Area Covered in Acres (3)	
			With gun sprinkler used only in corners	With gun sprinkler used on entire circle
36.0	500	23.0	22.0	26.0
33.1	550	27.8	26.2	30.5
30.6	600	33.1	30.8	35.3
28.4	650	38.8	36.0	40.6
26.5	700	45.0	41.3	46.1
24.8	750	51.8	47.2	52.1
23.4	800	58.8	53.3	58.4
22.1	850	66.3	59.8	65.0
21.0	900	74.5	66.7	72.2
20.0	950	82.9	74.0	79.5
19.0	1000	91.8	81.7	87.4
18.1	1050	101.3	89.5	95.3
17.3	1100	111.0	98.0	104.0
16.6	1150	121.3	106.6	112.6
16.0	1200	132.2	115.7	121.9
15.4	1250	143.3	123.8	130.0
14.8	1300	155.0	134.0	141.3
14.3	1350	167.3	145.0	151.6
13.8	1400	179.8	155.2	162.0
13.3	1450	193.0	166.5	173.2
12.9	1500	206.0	177.7	184.7

1/ Less volume of end gun when used.

2/ Generally outside drive wheel approximately 50 ft. from end.

3/ Based on 100 ft. gun coverage.

EXAMPLE: System is 900 feet long. Then 21 percent of water is applied in last 100 feet. 66.7 acres are covered with gun used in corners only.