

Bin Size	Bushels in roof	Bushels per ft.	Bushels per 32" ring	Bushels per 44" ring
15'	197	150	401	550
18'	340	216	577	792
21'	541	294	785	1078
24'	806	384	1025	1408
27'	1149	486	1298	1782
30'	1576	600	1602	2200
33'	2098	725	1936	2658
36'	2724	863	2304	3164
42'	4325	1175	3137	4308
48'	6455	1535	4098	5628
54'	9191	1942	5185	7120
60'	12608	2398	6403	8793

Circumference of a circle

$$\pi D$$

Area of a circle

$$\pi r^2$$

Bin capacity level

$$H * (\pi r^2) * .848$$

Bin capacity per ft.

$$(\pi r^2) * .848$$

Angle of repose of corn

$$26^\circ - 27^\circ$$

Bushels in a pile

$$L * W * H * .21$$

Height of a pile

$$H = D * .25$$