

Grain Storage Capacity of Piles and Buildings/Warehouses

Grain: **Corn** Angle of Repose: 22 Range: 21 to 26

Multiplier: 0.404

Grain Pile:

Diameter		Height	Capacity
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ft	ft	bu
25	5.1	661
50	10.1	5,289
75	15.2	17,849
100	20.2	42,310

Building / warehouse:

Building		Grain height		Building capacity			
width	length	wall	peak	ends	middle	base	total
ft	ft	ft	ft	bu	bu	bu	bu
40	60	0	8.1	2,708	2,586	0	5,294
40	60	4	12.1	2,708	2,586	7,680	12,974
60	100	0	12.1	9,139	11,636	0	20,775
60	100	2	14.1	9,139	11,636	9,600	30,375

Grain: Soybeans

Angle of Repose: 25

Multiplier: 0.466

Building		Grain height		Building capacity			
width	length	wall	peak	ends	middle	base	total
ft	ft	ft	ft	bu	bu	bu	bu
60	100	0	13.99	10,548	13,430	0	23,977
60	100	1	14.99	10,548	13,430	4,800	28,777
60	100	2	15.99	10,548	13,430	9,600	33,577
60	100	3	16.99	10,548	13,430	14,400	38,377
60	100	4	17.99	10,548	13,430	19,200	43,177

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