



Manure Management Storage Capacity of Circular Concrete Tanks

Diameter Feet	Storage Height Feet	Tank Capacity Liters	Liquid Height Feet	Tank Contents Liters	Free Board Capacity	
Total Capacity of Storage Tank					Lq. Height - Freeboard Capacity	55,600
50	8	444,800	4	166,800	Liters Tank Capacity 389,200	
50	10	556,000	5	222,400	500,400	
50	12	667,200	6	278,000	611,600	
50	14	778,400	7	333,600	722,800	
50	16	889,600	8	389,200	834,000	
Total Capacity of Storage Tank					Lq. Height - Freeboard Capacity	142,336
80	8	1,138,688	4	427,008	Liters Tank Capacity 996,352	
80	10	1,423,360	5	569,344	1,281,024	
80	12	1,708,032	6	711,680	1,565,696	
80	14	1,992,704	7	854,016	1,850,368	
80	16	2,277,376	8	996,352	2,135,040	
Total Capacity of Storage Tank					Lq. Height - Freeboard Capacity	222,400
100	8	1,779,200	4	667,200	Liters Tank Capacity 1,556,800	
100	10	2,224,000	5	889,600	2,001,600	
100	12	2,668,800	6	1,112,000	2,446,400	
100	14	3,113,600	7	1,334,400	2,891,200	
100	16	3,558,400	8	1,556,800	3,336,000	
Total Capacity of Storage Tank					Lq. Height - Freeboard Capacity	320,256
120	8	2,562,048	4	960,768	Liters Tank Capacity 2,241,792	
120	10	3,202,560	5	1,281,024	2,882,304	
120	12	3,843,072	6	1,601,280	3,522,816	
120	14	4,483,584	7	1,921,536	4,163,328	
120	16	5,124,096	8	2,241,792	4,803,840	
Total Capacity of Storage Tank					Lq. Height - Freeboard Capacity	569,344
160	8	4,554,752	4	1,708,032	Liters Tank Capacity 3,985,408	
160	10	5,693,440	5	2,277,376	5,124,096	
160	12	6,832,128	6	2,846,720	6,262,784	
160	14	7,970,816	7	3,416,064	7,401,472	
160	16	9,109,504	8	3,985,408	8,540,160	



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Manure Management Storage Capacity of SLURRYSTORE®

Diameter Feet	Storage Height 4 Glass Rings	Tank Capacity Liters	Liquid Height Feet	Tank Contents Liters	Free Board Capacity
Total Capacity of Storage Tank					Lq. Height - Freeboard Capacity
42	18.81	738,857	9	313,848	39,231
42	18.81	738,857	12	431,541	Liters Tank Capacity 699,626
42	18.81	738,857	14	510,003	699,626
42	18.81	738,857	16	588,465	699,626
42	18.81	738,857	18.81	698,704	699,626
Total Capacity of Storage Tank					Free Board Capacity
81	18.81	2,748,097	9	1,167,336	145,917
81	18.81	2,748,097	12	1,605,087	Liters Tank Capacity 2,602,180
81	18.81	2,748,097	14	1,896,921	2,602,180
81	18.81	2,748,097	16	2,188,755	2,602,180
81	18.81	2,748,097	18.81	2,598,782	2,602,180
Total Capacity of Storage Tank					Free Board Capacity
101	18.81	4,272,723	9	1,814,960	226,870
101	18.81	4,272,723	12	2,495,570	Liters Tank Capacity 4,045,853
101	18.81	4,272,723	14	2,949,310	4,045,853
101	18.81	4,272,723	16	3,403,050	4,045,853
101	18.81	4,272,723	18.81	4,040,555	4,045,853
Total Capacity of Storage Tank					Free Board Capacity
151	18.81	9,550,275	9	4,056,752	507,094
151	18.81	9,550,275	12	5,578,034	Liters Tank Capacity 9,043,181
151	18.81	9,550,275	14	6,592,222	9,043,181
151	18.81	9,550,275	16	7,606,410	9,043,181
151	18.81	9,550,275	18.81	9,031,344	9,043,181
Total Capacity of Storage Tank					Free Board Capacity
204	18.81	17,431,000	9	7,404,320	925,540
204	18.81	17,431,000	12	10,180,940	Liters Tank Capacity 16,505,460
204	18.81	17,431,000	14	12,032,020	16,505,460
204	18.81	17,431,000	16	13,883,100	16,505,460
204	18.81	17,431,000	18.81	16,483,867	16,505,460

Slurry Storage



Manure Management Storage Capacity of Rectangular Concrete Tanks

Width Feet	Length Feet	Storage Height Feet	Tank Capacity Liters	Liquid Height Feet	Tank Contents Liters	
Total Capacity of Storage Tank				Lq. Height 8" Below Slat		8" Under Slat Open
40	100	8	906,139	4.00	226,536	75,512
40	100	9	1,019,406	4.50	264,292	Liters Tank Capacity 830,627
40	100	10	1,132,674	5.00	302,048	943,894
40	100	11	1,245,941	5.50	339,804	1,057,162
40	100	12	1,359,209	6.00	377,560	1,170,429
40	100	12	1,359,209	6.00	377,560	1,283,697
Width Feet	Length Feet	Storage Height Feet	Tank Capacity Liters	Liquid Height Feet	Tank Contents Liters	
Total Capacity of Storage Tank				Lq. Height 8" Below Slat		8" Under Slat Open
45	100	8	1,019,406	4.00	254,853	84,951
45	100	9	1,146,832	4.50	297,329	Liters Tank Capacity 934,455
45	100	10	1,274,258	5.00	339,804	1,061,881
45	100	11	1,401,683	5.50	382,280	1,189,307
45	100	12	1,529,109	6.00	424,755	1,316,732
45	100	12	1,529,109	6.00	424,755	1,444,158
Width Feet	Length Feet	Storage Height Feet	Tank Capacity Liters	Liquid Height Feet	Tank Contents Liters	
Total Capacity of Storage Tank				Lq. Height 8" Below Slat		8" Under Slat Open
50	100	8	1,132,674	4.00	283,167	94,389
50	100	9	1,274,258	4.50	330,362	Liters Tank Capacity 1,038,285
50	100	10	1,415,843	5.00	377,556	1,179,869
50	100	11	1,557,427	5.50	424,751	1,321,454
50	100	12	1,699,011	6.00	471,945	1,463,038
50	100	12	1,699,011	6.00	471,945	1,604,622
Width Feet	Length Feet	Storage Height Feet	Tank Capacity Liters	Liquid Height Feet	Tank Contents Liters	
Total Capacity of Storage Tank				Lq. Height 8" Below Slat		8" Under Slat Open
50	150	8	1,699,011	4.00	424,752	141,584
50	100	9	1,911,387	4.50	495,544	Liters Tank Capacity 1,557,427
50	100	10	2,123,764	5.00	566,336	1,769,803
50	100	11	2,336,140	5.50	637,128	1,982,180
50	100	12	2,548,517	6.00	707,920	2,194,556
50	100	12	2,548,517	6.00	707,920	2,406,933
Width Feet	Length Feet	Storage Height Feet	Tank Capacity Liters	Liquid Height Feet	Tank Contents Liters	
Total Capacity of Storage Tank				Lq. Height 8" Below Slat		8" Under Slat Open
50	200	8	2,265,348	4.00	566,337	188,779
50	100	9	2,548,517	4.50	660,727	Liters Tank Capacity 2,076,569
50	100	10	2,831,685	5.00	755,116	2,359,738
50	100	11	3,114,854	5.50	849,506	2,642,906
50	100	12	3,398,022	6.00	943,895	2,926,075
50	100	12	3,398,022	6.00	943,895	3,209,243

Under Floor Storage