



Radial Stockpile Tonnage

Based on 37 Deg. Angle of Repose & 100 lbs / Cu. Ft.

Conveyor Length	Arc Radius of Pile	Ht. of Pile	Base Radius of Pile	Conical Pile	Total Capacity Including Ends - Included Angle of Pile					
					Top figure is tons - Bottom figure is cubic yards					
					30 deg	45 deg	60 deg	90 deg	120 deg	180 deg
30'	29'-5"	11'	15'	130	258	323	387	515	644	900
				96	191	238	285	380	474	663
40'	39'-0"	14'	19'	245	537	673	809	1080	1352	1896
				196	398	499	600	803	1005	1409
50'	48'-6"	17'-6"	23'	485	995	1250	1505	2015	2525	3545
				359	740	931	1121	1502	1883	2645
60'	58'-0"	20'-6"	27'	267	783	1629	2052	2475	3321	4167
				580	1204	1516	1828	2452	3076	4324
70'	67'-6"	24'-6"	32'-6"	1359	2762	3466	4169	5576	6983	9797
				1004	2048	2570	3092	4136	5180	7268
80'	77'-0"	27'-6"	36'-6"	1918	3943	4956	5968	7993	10018	14068
				1421	2921	3671	4421	5921	7421	10421
100	96'-6"	32'-6"	43'	3,146	6686	8456	10226	13766	17306	24386
				2,231	4956	6273	7587	10215	12843	18099
120	115'-6"	38'-6"	51'	5,243	11183	14153	17123	23063	29003	40883
				3,884	8294	10499	12704	17114	21524	30344
150	144'-0"	47'-6"	63'	9,871	21181	26836	32491	43801	55111	77731
				7,312	15682	19867	24052	32422	40792	57532