



Estimated Fresh Weight Forage Capacities Bunkers and Trenches Containing 35-40% DM Silage

Silage Height (ft) & Silage Density	Silo Width (ft)	Wt. Silage Per 4" Removed	Capacity Per Linear Ft.	Silo Capacity (Tons Fresh Weight)* For Silos Various Lengths		
				60 ft	80 ft	100 ft
8 32 lb/cu ft	20	0.85	2.56	125	173	221
(Range 30-36)	24	1.02	3.07	150	207	265
12 36 lb/cu ft	30	1.28	3.84	187	259	331
(Range 34-38)	24	1.73	5.18	249	353	456
16 40 lb/cu ft	36	2.59	7.78	373	529	684
(Range 37-42)	48	3.46	10.37	498	705	912
	60	4.32	12.96	622	881	1140
	36	3.84	11.52	507	737	968
	48	5.12	15.36	676	983	1290
	60	6.40	19.20	845	1229	1612

Silage capacity is dependent on silage density. Silage density is affected by moisture level, chop length, silage depth, and time spent packing. *Capacities given above assume back of silo is vertical and front has a slope of 2-in-one. Source: Alberta Agriculture (1998).



Approximate Forage Capacities for Upright Silos

Silo Capacity (Tons Fresh Weight) for Crops at Different Moisture Levels

Silo Size	Haylage		Corn Silage		Whole HMC		Ground HMC	
	50%	60%	60%	65%	25%	30%	25%	30%
16x50	150	200	184	210	250	274	294	330
16x60	186	246	227	260	300	330	317	355
16x65	204	270	248	284	328	360	344	386
18x60	243	322	293	334	385	422	404	453
18x70	290	385	350	397	450	496	474	532
20x60	310	410	370	419	477	525	502	563
20x70	370	490	440	498	560	617	590	662
20x80	433	575	510	580	644	708	678	761
24x70	562	730	650	735	816	898	858	898
24x80	660	870	754	850	937	1032	986	1108
24x90	760	1000	860	968	1060	1165	1113	1252