Estimating Bin and Silo Capacity

Round Bins
To estimate the capacity of a bin, multiply the depth in feet by the diameter squared (diameter X diameter). Multiply this by .628 to determine shelled corn capacity in bushels. *Divide by 2 to determine bushels of ear corn storage.*

Square or Rectangular Bins
Multiply the length by the width by the depth of grain, all in feet. Multiply this by .80 to determine the number of bushels of shelled corn that can be stored in the bin. *For ear corn, divide this figure by 2.*

Corn Silage in Upright Silos

The following table gives capacity of silos in tons of corn silage at about 65 percent moisture.

Depth of Silage (feet)	Silo Diameter (feet)							
	12	**14**	**16**	**18**	**20**	**22**	**24**	**30**
20	36	50	65	--	--	--	--	--
30	68	92	121	151	186	225	268	--
40	100	135	177	224	276	332	394	617
50	133	183	238	302	373	452	538	840
60	172	234	306	387	478	579	689	1,076

Corn Silage in Trench Silos
Multiply the length times the average width times the average depth to get cubic feet of silage. Then multiply this figure times 36, the average weight of a cubic foot of silage. Divide this be 2,000 to determine the number of tons stored in the silo.