NUMBER OF BUSHELs OF GRAIN OR SEED IN A BIN OR CRIB

The space required to store each bushel of grain or seed varies depending upon moisture content, depth of grain stored, size of kernels, and other factors. However, for dry grain and seed the following formulas will give you a good estimate of the number of bushels in a bin or crib (allow 5 to 10 percent less for high moisture grain):

Rectangular Bins or Cribs (All dimensions in feet)

1. Shelled corn, small grain and seed --
   \[
   \frac{\text{Width} \times \text{length} \times \text{depth of grain} \times 8}{10} = \text{Number of bushels}
   \]

2. Shucked ear corn --
   \[
   \frac{\text{Width} \times \text{length} \times \text{depth of corn} \times 4}{10} = \text{Number of bushels}
   \]

3. Slip-Shucked ear corn --
   \[
   \frac{\text{Width} \times \text{length} \times \text{depth of corn} \times 3}{3} = \text{Number of bushels}
   \]

4. Unshucked ear corn (hand snapped) --
   \[
   \frac{\text{Width} \times \text{length} \times \text{depth of corn} \times 2}{7} = \text{Number of bushels}
   \]

Circular Cribs or Bins (All dimensions in feet)

1. Shelled corn, small grain and seed --
   \[
   \frac{\text{Diameter} \times \text{diameter} \times \text{depth of grain} \times 3}{10} = \text{Number of bushels}
   \]

2. Shucked ear corn --
   \[
   \frac{\text{Diameter} \times \text{diameter} \times \text{depth of corn} \times 4}{4} = \text{Number of bushels}
   \]

3. Slip-Shucked ear corn --
   \[
   \frac{\text{Diameter} \times \text{diameter} \times \text{depth of corn} \times 2}{9} = \text{Number of bushels}
   \]

4. Unshucked ear corn (hand snapped) --
   \[
   \frac{\text{Diameter} \times \text{diameter} \times \text{depth of grain} \times 6}{10} = \text{Number of bushels}
   \]