

# **Transportation of Commodities: Conversion Factors**

## **General Conversion Factors:**

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1 gallon is 16 cups  
1 bushel is 8 gallons  
1 acre of ground = 43,560 square feet  
1 hectare = 2.47105 acres  
1 bushel = 8 gal = 2,150.42 cu in  
1 ton = 2,000 pounds = 907.18474 kg

## **Soybean Conversion Factors:**

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1 acre of soybean yields and average 42.5 bushels of seeds  
1 bushel of soybean seeds = 60 lbs  
1 pound of soybeans = 3,000 soybean seeds  
70 pods per plant  
2.5 soybean seeds per pod

## **Corn Conversion Factors:**

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1 acre yields an average of 150 bushels  
1 bushel of corn = 56 lbs  
1 gallon of Corn Kernels = 21.4 ears of corn  
Shelled maize (corn) at 15.5% moisture by weight: 56 lb

## **Transportation and Storage Conversion Factors:**

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1 Harvester can carry between 250 and 400 bushels  
1 grain cart carries between 450 and 1,500 bushels  
1 semi trailer holds 950 bushels  
1 farm grain bin holds between 15,000 and 50,000 bushels  
1 commercial grain bin holds 750,000 bushels  
1 Cargo container holds between 900 and 1,000 bushels  
1 Railroad car holds between 3,500 and 4,000 bushels  
1 River Barge holds 50,000 bushels