

# Equilibrium Moisture

Table 6

°F	Air Relative Humidity %					
	40	50	60	70	80	90
	Moisture content (%)					
30	12.7	13.9	15.2	16.7	18.6	21.1
40	11.9	13.1	14.5	16.0	17.9	20.5
50	11.2	12.5	13.8	15.4	17.3	20.2
60	10.6	11.9	13.3	14.8	16.8	19.7
70	10.0	11.4	12.7	14.3	16.3	19.3

\* Subtract one percentage point for rewetting

## Shelf Life (months) for aerated, shelled corn.

Corn Temperature °F	Corn Moisture Content					
	13%	14%	15%	16%	17%	18%
40	150	61	29	15	9.4	6.1
50	84	34	16	8.9	5.3	3.4
60	47	19	9.2	5.0	3.0	1.9
70	26	11	5.2	2.8	1.7	1.1
80	15	6	2.9	1.6	0.9	?

Based on 0.5% maximum dry matter loss –  
Based on USDA research at Iowa State University

# How Dry is Dry Enough?

Crop	Storage Time	Maximum Moisture Content (%)
Corn	Sold by spring	15.5
	6-12 month storage	14
Soybeans	Sold by spring	14
	6-12 month storage	12
Wheat, oats, barley	Sold by spring	14
	6-12 month storage	13
Sunflower	Sold by spring	10