

Table 1: EMC of Cereals for Safe Storage (wet basis)

Cereal	E. M. C. for safe storage	
	For 1 year	For 5 years
Barley	13	11
Maize	13	10 – 11
Oat	13	11
Rice	12 – 14	10 – 12
Rye	13	11
Sorghum	12 – 13	10 – 11
Wheat	13 - 14	11 - 12

Source: Brooker et. Al., 1974.

Table 2: EMC of Various Seeds at Various Air RH

Seed	Air Relative Humidity						
	40	50	60	70	75	80	90
Wheat	10.7	12.0	13.7	15.5	16.6	17.6	23.0
Maize	11.0	12.0	13.0	15.0	15.5	16.0	20.0
Rye	10.0	11.6	13.2	14.8	16.1	17.3	24.6
Pea	9.4	11.1	13.1	15.5	17.2	19.5	27.7
Bean	9.1	11.1	13.1	15.8	18.0	20.4	28.0
Grass	8.9	10.3	11.6	13.9	15.4	17.1	23.3
Onion	8.3	9.6	10.8	12.6	14.1	16.2	23.5

Source: ASAE Yearbook

It is worth noting that chemicals, dust and smoke generated from the environment of storage structures can contaminate stored products either by discoloration and occasionally can be poisonous.