

BARLEY EQUILIBRIUM MOISTURE CONTENT

TEMPERATURE (°F)

	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
R.H.	MOISTURE CONTENT (% W.B.)																
5%	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0
10%	4.7	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.2	4.2
15%	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.2
20%	6.6	6.6	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.1	6.0	6.0
25%	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8
30%	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.5
35%	9.0	8.9	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3	8.2	8.2	8.1
40%	9.7	9.6	9.6	9.5	9.4	9.4	9.3	9.3	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8
45%	10.4	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.5	9.5	9.4
50%	11.1	11.0	10.9	10.9	10.8	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.3	10.2	10.1	10.1
55%	11.8	11.7	11.6	11.6	11.5	11.4	11.4	11.3	11.2	11.2	11.1	11.0	11.0	10.9	10.9	10.8	10.7
60%	12.5	12.4	12.4	12.3	12.2	12.1	12.1	12.0	11.9	11.9	11.8	11.7	11.7	11.6	11.5	11.5	11.4
65%	13.3	13.2	13.1	13.0	13.0	12.9	12.8	12.7	12.7	12.6	12.5	12.5	12.4	12.3	12.3	12.2	12.1
70%	14.1	14.0	13.9	13.8	13.8	13.7	13.6	13.5	13.4	13.4	13.3	13.2	13.1	13.1	13.0	12.9	12.9
75%	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.4	14.3	14.2	14.1	14.0	14.0	13.9	13.8	13.7	13.7
80%	15.9	15.8	15.7	15.6	15.6	15.5	15.4	15.3	15.2	15.1	15.0	15.0	14.9	14.8	14.7	14.6	14.6
85%	17.1	17.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.9	15.8	15.7	15.6
90%	18.5	18.4	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.5	17.5	17.4	17.3	17.2	17.1	17.0	16.9
95%	20.5	20.4	20.3	20.2	20.1	19.9	19.8	19.7	19.6	19.5	19.4	19.3	19.2	19.1	19.0	18.9	18.9

Dr. Kenneth J. Hellevang, PE
 NDSU Extension Service
 Fargo, ND 58105

Source: ASAE D245.4 Modified Henderson Equation