

SOYBEAN 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%	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0
10%	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7
15%	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5
20%	4.0	4.0	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2
25%	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.9
30%	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.7	4.7	4.6
35%	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.4	5.3
40%	7.7	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.3	6.2	6.1
45%	8.6	8.5	8.4	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.2	7.1	7.1	7.0	6.9
50%	9.6	9.5	9.3	9.2	9.1	8.9	8.8	8.7	8.6	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7
55%	10.7	10.5	10.4	10.2	10.1	9.9	9.8	9.6	9.5	9.4	9.3	9.1	9.0	8.9	8.7	8.7	8.6
60%	11.8	11.6	11.5	11.3	11.1	11.0	10.8	10.7	10.5	10.4	10.2	10.1	10.0	9.9	9.6	9.6	9.5
65%	13.1	12.9	12.7	12.5	12.3	12.1	11.9	11.8	11.6	11.5	11.3	11.2	11.0	10.9	10.6	10.6	10.5
70%	14.4	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.7	12.5	12.3	12.2	12.0	11.7	11.7	11.6
75%	15.9	15.6	15.4	15.2	15.0	14.8	14.6	14.4	14.2	14.0	13.8	13.7	13.5	13.3	13.0	13.0	12.9
80%	17.6	17.3	17.1	16.8	16.6	16.4	16.2	16.0	15.7	15.5	15.4	15.2	15.0	14.8	14.5	14.5	14.3
85%	19.6	19.3	19.1	18.8	18.6	18.3	18.1	17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.2	16.2	16.0
90%	22.3	22.0	21.7	21.4	21.1	20.8	20.6	20.3	20.1	19.8	19.6	19.3	19.1	18.9	18.5	18.5	18.3
95%	26.2	25.9	25.5	25.2	24.9	24.6	24.3	24.0	23.7	23.5	23.2	23.0	22.7	22.5	22.0	22.0	21.7

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

Source: ASAE D245.4 Modified Henderson Equation