

**How to use this chart:** This chart can be used to measure the moisture level of the listed crops in conjunction with Protimeter Compressor/Grinder grain moisture instruments having a 0-100 Reference Scale or the Protimeter Ground Wheat Calibration (ISO 712 equivalent). Convert the sample reference reading to a moisture level by looking up or down the column until intersection is made with the row of the crop under test.

**Example:** Assume that the crop under test is linseed with a 0-100 scale reading of 42 (or a wheat scale reading of 17.3). Then, the actual moisture level obtained from the chart is 11.1%,  $\pm$  the working tolerance.

CROP		% MOISTURE LEVEL																		
SCALE	0-100	5	10	14	17	20	23	27	30	33	37	39	42	47	52	60	67	73	78	84
Barley/Oats	Ground	10.9	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.4	16.0	16.7	17.2	18.2	19.2	20.8	22.6	24.5	26.7	29.3
Barley/Oats	Whole	12.9	13.5	13.9	14.4	14.8	15.3	15.8	16.5	17.1	17.8	18.4	19.0	20.2	21.4	23.5	26.0	28.5	31.0	
Beans/Tic/Winter	Ground	12.4	13.4	13.7	13.9	14.1	14.5	15.0	15.4	16.0	16.5	16.9	17.3	17.9	18.6	19.7	20.9	22.1	23.4	25.0
Brassicas	Ground/Whole	7.3	7.9	8.2	8.5	8.8	9.1	9.3	9.5	9.8	10.0	10.3	10.5	11.0	11.4	12.3				
Brussels Sprouts	Ground/Whole	7.3	7.9	8.2	8.5	8.8	9.1	9.3	9.5	9.8	10.0	10.3	10.5	11.0	11.4	12.3				
Buckwheat	Ground	12.1	12.8	13.4	13.8	14.2	14.6	15.1	15.6	16.2	16.8	17.3	17.8	18.9	19.9	21.6	23.5	25.6	27.5	29.6
Cabbage Seed	Ground/Whole	7.3	7.9	8.2	8.5	8.8	9.1	9.3	9.5	9.8	10.0	10.3	10.5	11.0	11.4	12.3				
Clover/Red Lucerne Seed	Whole	9.1	9.9	10.3	10.7	11.1	11.6	12.0	12.3	12.8	13.2	13.6	14.0	14.9	15.6	16.9	18.4	20.0		
Clover/White Seed	Whole	9.0	9.9	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.7	16.6	18.1	20.0	21.9	23.4	
Cocoa Beans	Whole	3.9	4.5	4.8	5.1	5.5	5.8	6.1	6.4	6.7	7.1	7.4	7.7	8.1	8.5	9.2	9.8	10.3		
Coffee	Ground		10.2	10.5	10.9	11.2	11.6	12.1	12.6	13.1	13.5	13.9	14.3	15.0	15.7	17.1	19.5			
Coffee	Whole	9.8	10.7	11.3	11.9	12.8	13.5	14.3	15.2	16.0	16.8	17.6	18.2	19.4	20.4	22.3	23.9			
Coffee Green	Ground		10.2	10.9	11.6	12.3	12.8	13.3	13.8	14.3	14.7	15.1	15.5	16.2	16.9	18.3	20.7			
Flax	Whole	6.9	7.4	7.7	8.0	8.5	8.8	9.1	9.4	9.9	10.3	10.7	11.1	12.0	13.0	14.6				
Flour/Soft	Wheat	12.9	13.7	14.1	14.5	15.0	15.4	15.9	16.3	16.8	17.2	17.7	18.2	19.1	19.9	21.3	23.0			
Grass Seed/Cocksfoot	Whole	8.3	9.2	9.6	10.0	10.5	10.9	11.3	11.8	12.3	12.8	13.2	13.6	14.5	15.2	16.6	18.4	20.3		
Grass Seed/Rye Grass	Whole	10.4	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.3	15.8	16.3	17.4	18.5	20.2	22.4			
Ground Nuts Hulled	Whole	5.5	6.1	6.4	6.6	6.9	7.1	7.3	7.6	7.9	8.1	8.4	8.6	9.0	9.5	10.4				
Lentils	Ground/Whole	11.8	12.3	12.5	12.7	13.0	13.4	13.7	14.0	14.4	14.8	15.0	15.3	16.0	16.6	17.9				
Linseed	Whole	7.0	7.4	7.7	8.0	8.3	8.7	9.0	9.4	9.9	10.3	10.7	11.1	12.0	12.9	14.6	16.5			
Maize/Corn	Ground	10.4	11.4	11.9	12.4	13.0	13.5	14.0	14.6	15.2	15.8	16.4	16.9	17.8	18.2	20.0	21.6	23.1	24.6	26.2
Maize/Corn	Whole	11.4	12.0	12.5	13.1	13.5	13.9	14.3	14.8	15.4	15.9	16.5	16.9	17.9	18.7	20.2	21.9	23.6	25.2	27.2
Mustard Seed	Whole	7.7	8.2	8.6	9.0	9.4	9.8	10.1	10.6	11.2	11.7	12.1	12.5	13.6	14.5	16.1				
Oilseed Rape	Ground					7.0	7.3	7.7	8.3	8.9	9.4	9.8	10.2	11.0	12.0	13.9	16.5	19.0	22.0	26.0
Paddy	Ground	10.4	11.4	11.9	12.4	13.0	13.5	14.0	14.6	15.2	15.8	16.4	16.9	17.8	18.2	20.0	21.6	23.1	24.6	26.2
Paddy	Whole	10.1	11.0	11.5	11.9	12.3	12.8	13.3	13.8	14.4	15.0	15.6	16.2	17.3	18.3	20.3	22.6	24.8	27.0	29.4
Peas	Ground	12.0	12.9	13.5	14.0	14.5	15.0	15.7	16.2	16.8	17.5	18.0	18.5	19.5	20.1	22.5	24.3	26.2	28.2	30.9
Peas (Progreta)	Ground	9.4	10.3	10.8	11.3	11.9	12.5	13.0	13.6	14.3	14.9	15.5	16.1	17.3	18.3	19.8	21.7	23.5	25.2	27.1
Rice (Milled)	Whole		13.2	13.7	14.2	14.8	15.2	15.7	16.3	16.9	17.5	18.2	18.8	20.0	21.2	23.3	26.5			
Semolina		12.3	13.0	13.2	13.6	14.0	14.5	15.1	15.5	16.2	16.8	17.2	17.8	18.7	19.4	21.0	22.4			
Sorghum/Milo	Ground	10.2	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.4	18.2	19.6	21.4	23.0	24.7	26.9
Sorghum/Milo	Whole	11.2	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.8	16.3	16.9	17.3	18.2	19.1	20.6	22.5	24.2	25.9	28.0
Soya Beans	Ground	7.4	8.2	8.7	9.1	9.7	10.1	10.6	11.1	11.6	12.0	12.5	12.9	13.8	14.7	16.0	17.5	18.9	20.4	22.2
Soya Beans	Whole	9.3	10.4	10.7	11.1	11.5	11.9	12.4	13.0	13.6	14.3	14.9	15.4	16.5	17.6	19.6	21.8	23.7	25.9	28.6
Sugarbeet Seed	Whole	7.6	8.4	8.7	9.1	9.6	10.0	10.3	10.8	11.2	11.6	12.0	12.4	13.2	13.8	14.8	16.1	17.3	18.6	20.2
Sunflower Seed	Whole	6.2	6.9	7.3	7.7	8.2	8.5	8.9	9.4	9.9	10.5	11.1	11.6	12.5	13.5	15.3	17.7	20.3	23.0	
<b>Wheat/Rye</b>	<b>Ground</b>	<b>11.3</b>	<b>12.3</b>	<b>12.8</b>	<b>13.3</b>	<b>13.8</b>	<b>14.3</b>	<b>14.8</b>	<b>15.3</b>	<b>15.8</b>	<b>16.3</b>	<b>16.8</b>	<b>17.3</b>	<b>18.3</b>	<b>19.3</b>	<b>21.3</b>	<b>23.3</b>	<b>25.3</b>	<b>27.3</b>	<b>29.3</b>
Wheat/Rye	Whole	12.8	13.4	13.8	14.3	14.9	15.5	16.2	16.8	17.5	18.2	18.8	19.4	20.4	21.3	23.0	25.0	27.2	29.5	

**Notes:**

1. Crop calibration characteristics vary over time. For optimum moisture meter results, always be sure to use a current calibration chart.  
[NOTE: THE DATA PRESENTED HERE SUPERCEDES ALL PREVIOUS ISSUES OF THIS DOCUMENT.]
2. The most common cause of measurement error is poorly maintained instruments. Always have your moisture instrument serviced by Protimeter, or an agent authorised by Amphenol Advanced Sensors to service Protimeter grain moisture meters, on a regular basis to ensure optimum accuracy and reliability.
3. Protimeter moisture instruments automatically adjust the moisture measurement with respect to temperature when *Automatic Temperature Correction (ATC)* is activated. We recommend that ATC be activated whenever measuring grain samples. For optimum accuracy, be sure that the sample under test is at the same temperature as the instrument test cell.
4. Protimeter crop calibrations are mean values of laboratory test results. As such, they should not be considered as absolute; local environmental conditions, soil characteristics, crop varieties and other variables may lead to wide differences in some cases. Growers may chose to match their Protimeter instrument calibrations to an agreed reference (e.g., a merchant's moisture instrument) with the calibration adjust feature.

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