

Protimeter Calibration Data 1999



PROTIMETER

THIS DATA SUPERSEDES ALL PREVIOUS ISSUES

How to use this chart

This chart can be used to measure the moisture level of the listed crops in conjunction with Protimeter grind-compress grain moisture meters having a 0-100 reference scale or the Protimeter 1999 ground wheat calibration (equivalent to ISO712). Convert the reference reading obtained for the sample by looking up or down the column until intersection is made with the row of the crop under test.

Example: Assume the crop under test is linseed with a 0-100 scale reading of 42 (or on the wheat scale of 17.3), the actual moisture content is 11.1%, ± the working tolerance.

CROP		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	11.6	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 Brussel Sprout 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					
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	
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	21.9	23.4	
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	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	
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	
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 (Prograta)	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	18.9	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		
Wheat/Rye	Ground	11.3	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	18.3	19.3	21.3	23.3	25.3	27.3	29.3	
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 ensure you use a current calibration chart.
2. Crop calibrations are mean values of laboratory test results. As such, they should not be considered as absolute. Under normal operational circumstances a working tolerance may need to be applied to the measured value.
3. The most common cause of measurement error is attributable to poorly maintained instruments. Always have your moisture meter serviced by Protimeter on a regular basis to ensure optimum accuracy and reliability.
4. Protimeter moisture meters automatically adjust the moisture measurement with respect to temperature. For accuracy, ensure that the sample under test is at the same temperature as the instrument test cell.

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