

Humidité de la semence

Table down below gives a clear understanding of the equilibrium moisture (EM) of different crops. Moisture into seeds will be in balance with the moisture content of the surrounding air around the seeds. So the EM of the seeds is dependent on the moisture content of the surrounding air. The moisture content of the seeds will be high when the surrounding air has a high moisture content. Roughly you can say that the moisture content of the seeds will correspond with the EM of the surrounding air.

When the moisture content of the seeds is higher than the surrounding, the moisture will be exuded to the surrounding air. The moist air must be evacuated and refreshed by dry air. This process must be proceeding till the seeds have reached the required EM.

Usually the relative moisture (RM) content of the seeds is measured to determine the moisture content of the seeds. Please note; this is only in relation when the temperature of the surrounding air is 25 °C! The EM will give a more secure result when the temperature can fluctuate.

With the ABC processor from Agratechniek you can dry the seeds automatically to the required EM by programming the corresponding RH or EM of the air.

HR à 25°C	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
HA (gr moisture / kg de l'air)	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
Abelmoschus	3.8	7.5	7.2	8.1	8.3	8.7	9.9	10.0	11.2	11.7	11.2	13.3	14.3	13.1	14.5	18.6	22.3		
Agrostide Stolonifère		6.3			8.2			10.2		9.7		10.8	11.3	12.7	14.3	16.4			
Agrostis Commun		6.3	6.4	6.6	6.7	7.3	7.9	8.5	9.2	9.8	10.5	11.3	12.1	13.0	14.4	16.2	19.2		
Arachide	3.0	2.6	3.9	3.7	4.2	4.7	5.1	5.6	5.9	6.7	7.0	8.1	8.5	9.8	11.1	12.0	17.2	13.9	15.0
Asperge				7.3	7.8		9.2				11.7								
Aubergine	3.1	4.7	4.9	5.6	6.3	6.8	7.4	8.0	8.6	9.2	9.8	10.4	11.2	11.9	12.5	13.1	13.7	14.3	14.9
Avoine	5.6	7.2	7.6	8.0	8.4	8.7	9.9	10.2	11.2	11.7	12.5	13.3	14.3	15.3	16.8	18.6	22.3		24.1
Baldingère Faux-roseau									11.4		12.0	12.5	13.5	14.7	15.7				
Betterave	2.1	3.0	4.0	4.9	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	10.6	11.2	15.0	12.4	13.0	13.6	14.2
Betterave à Sucre	4.4	5.3	6.3	7.1	8.0	8.9	9.4	10.2	10.7	11.3	12.0	13.0	13.3	14.5	16.6	18.6	20.5		
Betterave Potagère	4.7	5.8	7.0	7.8	8.6	9.2	9.8	9.9	10.1	11.4	12.7	13.6	14.6	15.5	16.5	17.4	18.4	19.3	20.3
Blé Blanc		6.7	7.3	7.9	8.6	9.0	9.4	9.9	10.5	11.2	11.8	12.9	13.9	15.0	16.1	18.5	19.7	23.0	25.0
Blé d'hiver Doux		6.3	7.0	7.7	8.6	9.3	9.9	10.6	11.0	11.4	11.9	12.8	13.8	14.6	16.1	17.9	19.7	22.6	
Blé d'hiver Dur		6.4	7.1	7.8	8.5	9.3	9.9	10.5	11.1	11.8	12.5	13.1	13.8	14.6	16.1	17.9	19.7	22.3	25.6
Blé Dur		6.6	7.2	7.8	8.5	9.1	9.5	10.0	10.5	11.0	11.5	12.4	13.2	14.1	15.4	18.0	19.3	22.9	
Blé dur Rouge		6.8	7.3	7.9	8.5	9.0	9.5	10.1	10.7	11.2	11.8	12.8	13.8	14.8	16.6	17.9	19.7	22.3	26.3
Bourdaïne				4.4															
Brome Inerme		6.6			9.0			11.5		11.0		12.5	13.1	13.7	16.1	18.4			
Carotte	4.4	5.1	5.8	6.2	6.9	7.4	7.9	8.4	8.9	9.4	10.0	10.9	11.9	13.0	14.2				
Carvi	4.7	5.2	5.7	6.2	6.7	7.2	7.8	8.4	9.0	9.6	10.3	11.1	12.0	13.0	14.5	16.5	19.8		
Céleri	5.8	6.4	7.0	7.4	7.8	8.2	8.6	9.0	9.5	10.0	10.4	11.0	11.7	12.4	13.5				
Chicorée Sauvage			4.5	5.5	6.5	7.0	7.5	8.1	8.3	8.6	8.9	9.2	9.5	10.6	11.7				
Chicorée Scarole	3.5	4.0	4.5	5.2	6.0	6.2	6.4	6.6	6.8	7.7	8.7	9.3	9.9	11.5	13.2	14.1	15.0	15.9	16.8
Chiendent Officinal		6.1			8.1			10.1											
HA (gr moisture / kg de l'air)	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
HR à 25°C	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100

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HR à 25°C	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
HA (gr moisture / kg de l'air)	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
Chiendent Pied-de-Poule		6.3			8.4			10.5											
Chou	3.2	3.5	4.6	5.0	5.4	5.7	6.1	6.4	6.9	7.3	7.6	8.3	8.9	9.6	10.0				
Chou, Chinois	2.4	2.9	3.4	4.0	4.6	5.2	6.0	6.3	7.1	7.4	7.8	8.2	8.8	9.4					
Ciboulette	3.4	4.2	5.1	6.0	6.9	7.6	8.5	9.4	10.2	11.1	11.8	12.6	13.3	14.0	14.8	15.5	16.2	16.9	17.6
Colza	3.1	3.5	3.9	4.4	4.7	5.3	5.5	6.2	6.3	7.0	7.3	8.0	8.4	9.1	10.1	12.0			
Concombre	2.6	3.4	4.3	4.9	5.6	6.1	6.6	7.1	7.5	7.9	8.4	9.0	9.6	10.1	10.2				
Coton	3.7		5.2		6.3	6.5	6.9	7.5	7.8	8.5	9.1	9.8	10.1	11.5	12.9	15.5	19.6		
Courge d'hiver	3.0	3.6	4.3	4.9	5.6	6.2	6.8	7.4	7.9	8.4	9.0	9.6	10.2	10.8					22.5
Cresson Alénois	1.9	2.8	3.7	4.6	5.5	6.4	7.3	8.2	9.1	9.5	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0
Digitale Pourpre										7.1									
Épinard	4.6	5.5	6.5	7.1	7.8	8.3	8.9	9.5	10.0	10.6	11.1	11.8	12.4	13.2	14.5				
Fétuque Roseau		6.5	7.3	8.0	8.7	9.5	10.2	10.9	11.2	11.5	11.7	11.9	12.5	13.2	15.0	17.3			
Fétuque Rouge	3.8				7.0	8.0	8.8	9.6	10.3	10.9	11.6	12.6	13.8	15.3	17.3	19.8	23.1		
Fléole des Prés										10.9	11.3	11.8	12.5	13.6	14.6	16.1			
Fourrure de Vesces													11.0	13.0	17.4	18.7			
Froment	5.5	6.5	7.0	8.0	8.5	9.2	9.9	10.4	11.1	11.6	12.1	12.9	13.7	14.6	15.9	19.2	19.8	23.0	26.6
Froment			7.5								13.0								25.0
Graines de Lin	3.3	4.4	4.9	5.2	5.6	5.8	6.1	6.4	6.8	7.9	8.3	8.9	9.3	10.0	12.4	14.5	15.2		
Graines de Sésame																			21.9
Haricot	4.7	5.7	6.8	7.6	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.9	14.8	15.9	17.2	19.5	22.6		
Haricot	4.2		5.8		7.2			9.3			11.1		14.5	17.2					
Haricot de Lima	4.6	5.6	6.6	7.1	7.7	8.2	8.6	9.2	9.9	10.4	11.0	12.0	12.9	13.8	15.0	15.6	16.5	17.4	18.3
Haricot d'Espagne							8.8	10.2	11.2	12.0	12.9	14.3	15.9	17.8	20.8	25.0	29.7		
Haricot vert	3.0	3.9	4.8	5.8	6.8	7.8	8.8	9.4	10.3	11.1	12.0	13.0	14.0	15.0	16.0	16.7	17.6	18.5	19.4
Haricot Vert		5.0	5.5	6.0	6.5	7.1	7.8	8.5	9.2	10.1	11.0	12.0	13.0	14.0	14.5	15.0	15.6	16.2	16.7
Haricot vert (W)				6.1	7.1	8.1	9.1	10.1	11.2	12.1	13.2	14.3	15.8	18.0	20.5	23.1	27.8		
Laitue Pommée	3.0	4.0	4.2	4.6	5.0	5.4	5.9	6.3	6.7	7.15	7.6	8.3	9.1	9.6					
Lavande									8.5										
Lin	3.3	4.4	4.9	5.2	5.6	5.8	6.1	6.3	6.8	7.3	7.9	8.6	9.3	10.0	11.4	13.9	15.2	18.3	21.4
Lotier Corniculé													8.3	10.4	13.9	17.2			
Lupin des Jardins						8.3	9.1		10.0		11.1		12.3						
Lupin Jaune	4.2	5.2	6.2	7.0	7.8	8.4	9.1	9.8	10.5	22.2	11.7	12.5	13.4	14.5	16.7		>25		
Luzerne	4.8	5.6	6.4	7.1	7.8	8.4	9.0	9.5	10.0	10.8	11.7	12.8	14.0	14.5	15.0	15.5	16.0	16.5	17.0
Luzerne Royale		6.0	6.6	7.4	8.0	8.9	9.8	10.3	10.8	11.3	11.8	12.4	13.4	14.4	16.6				
Mâche					7.1	7.7	8.2	8.8	9.0	9.2	10.0	10.8							
Maïs	5.1	6.6	7.2	7.8	8.4	9.1	9.7	10.4	11.2	12.0	12.9	13.5	14.1	14.7	16.2	17.4	18.9	21.7	24.6
Maïs	6.2	6.4	7.9	8.6	9.3	10.0	10.7	11.3	11.9	12.5	13.1	13.8	14.6	15.5	16.5	18.6	20.7		
Maïs Décortiqué					8.3		9.8		11.2		12.9		14.0		15.6		19.6		23.8
Maïs, Champ		6.5	7.1	7.7	8.5	8.9	9.4	9.9	10.7	11.4	12.2	12.7	13.2	13.6	15.4	16.8	18.3	20.6	23.0
Maïs, Doux	3.8	4.8	5.8	6.4	7.0	7.7	8.4	9.0	9.5	10.0	10.6	11.4	12.0	12.8	14.0				
Maïs, Popcorn		6.8	7.4	7.9	8.5	8.9	9.3	9.8	10.6	11.4	12.2	12.7	13.2	13.6	15.4	16.8	18.3	20.6	23.0
HA (gr moisture / kg de l'air)	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
HR à 25°C	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100

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HR à 25°C	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
HA (gr moisture / kg de l'air)	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
Marjolaine							6.5		7.0	7.3	7.5								
Millet	4.4	6.4	7.3	7.9	8.6	9.2	9.9	10.5	11.0	11.5	12.0	13.0	14.2	15.2	15.8		18.8	20.3	21.9
Moutarde	1.8	4.0	3.2	4.4	4.6	5.2	5.8	6.3	6.7	7.2	7.8	8.3	8.9	9.4					
Navet	2.6	3.3	4.0	4.6	5.1	5.5	5.9	6.3	6.7	7.0	7.4	7.9	8.5	9.0	10.0				
Oignon	4.6	5.7	6.8	7.4	8.0	8.5	9.0	9.5	10.0	10.6	11.2	11.9	12.6	13.4	13.6				
Oignon Vert	3.4	4.2	5.1	6.0	6.9	7.7	8.8	9.4	10.3	10.9	11.8	12.6	13.4	14.0					
Orge	6.2	6.0	6.8	7.5	8.3	9.0	9.8	10.6	11.4	12.3	13.2	14.1	15.0	16.1	17.2	19.4	22.7	24.6	26.5
Panais Sativa	5.0	5.5	6.1	6.5	7.0	7.4	7.8	8.2	8.6	9.0	9.5	10.1	10.6	11.2					
Paprika		6.0	6.3	6.5	7.0	7.0	7.0	7.3	7.5	8.2	9.0	9.6	10.4	11.0					
Paspalum		5.9			7.8			9.7											
Pastèque	3.0	3.5	4.8	4.5	6.1	5.6	5.9	7.6	6.7	7.1	8.8	7.9	8.4	10.4	11.0				
Pâturin des Prés	5.9	6.2	6.5	6.8	7.5	8.3	9.0	9.7	10.5	11.2	12.0	12.8	13.5	14.6	16.1	18.1	21.3		
Pavot Somnifère	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.3	6.9	7.4	8.0	8.7	9.5	10.3	11.7	13.7	17.0	17.8	
Pavot Somnifère				4.4	4.9	5.4	5.9	6.3	6.9	7.4	8.0	8.7	9.5	10.3	11.7	13.7	17.0		
Persil			5.7	6.0	6.4	7.1	7.9	8.0	8.2	9.0	9.9	10.5	11.1						
Pois	5.4	6.1	7.3	7.8	8.6	9.4	10.3	11.1	11.9	12.7	13.5	14.2	15.0	15.9	17.1	19.0	22.0		
Pois de Senteur							10.5		12.8		13.4		14.2						
Poivre	2.8	3.6	4.5	5.2	6.0	6.6	7.2	7.8	8.3	8.7	9.2	9.8	10.4	11.0	12.0				18.6
Pourpier						8.6	9.6	10.7	11.9	12.6	13.3	13.5	13.8						
Radis	2.6	3.2	3.8	4.4	5.1	5.7	6.2	6.8	7.3	7.8	8.3	8.9	9.5	10.2					
Ray-grass Anglais	4.5	5.5	6.5	6.8	7.6	8.8	9.1	9.9	10.6	11.2	12.5	12.9	14.2	15.3	17.1	19.9	23.3		
Ray-grass d'Italie		6.5	7.2	7.9	8.6	9.2	10.0	10.7		11.2	12.5	13.0	13.8	15.0	15.7	16.3			
Ray-grass Intermédiaire		7.1	7.8	8.4	9.1	9.8	10.5	11.0		9.4			11.9	12.9	13.9	16.2			
Rhubarbe										12.8									23.6
Riz		5.9	7.6	8.2	8.6	9.6	10.2	10.7	11.3	11.9	12.8	13.3	13.8	14.6	15.8	16.8	18.4	20.8	
Sarrasin	5.7	6.7	7.6	8.1	9.1	9.8	10.5	10.8	11.4	12.0	12.7	13.5	14.2	15.0	16.5	17.5	19.1	21.8	24.5
Sauge								8.0											
Sauge Rouge						8.2		9.1		10.6		11.4							
Scorsonère d'Espagne								8.1											
Seigle		7.0	7.6	8.2	8.7	9.4	10.0	10.5	11.1	11.7	12.2	13.1	13.9	14.8	16.6	18.5	20.6	23.6	
Soja	3.8	4.3	5.5	5.9	6.5	6.8	7.1	7.4	8.0	8.6	9.3	10.5	11.5	13.1	14.8	16.4	18.8		
Tomate	3.2	4.1	5.0	5.6	6.3	6.9	7.5	7.8	8.3	8.7	9.2	10.1		11.1	12.0				
Tournesol					5.1	5.6	6.0	6.5	7.0	7.5	8.0	8.7	9.3	10.0	11.5	13.5	15.0		
Trèfle		5.2			7.2			9.2											
Trèfle		6.6			8.4			10.3											
Trèfle des Prés		5.7	6.3	6.9	7.6	8.2	8.8	9.4	10.0	10.7	11.4	12.1	9.1	11.2	15.6	18.7			
Trèfle Fraisier		5.1			6.9			8.7											
Trèfle Hybride		6.1			7.9			9.7					9.3		15.9	18.9			
Trèfle Incarnat		5.9			8.0			10.1											
Trèfle Souterrain		5.9	6.0	6.6	7.8	7.8	8.4	9.7					8.7	10.9	15.4	18.0			
Viorne lantane					5.8														26.3
HA (gr moisture / kg de l'air)	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
HR à 25°C	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100