



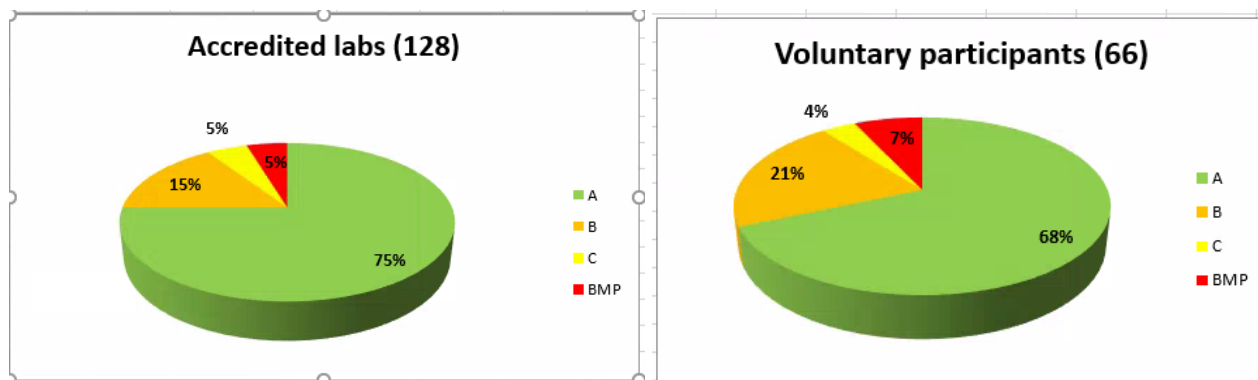
**Summary results: PT 21-1 Z.may**

**Species:** *Zea mays*

**Scope:** GER, MOI, VIG (radicle emergence test)

**GERMINATION Ratings**

**Total number of participants = 194**



**Means and Standard Deviation**

of the obligatory accredited participants  
calculated for the category of normal seedlings

Categories	Mean Values %			Standard Deviation		
	Lot 1	Lot 2	Lot 3	Lot 1	Lot 2	Lot 3
Normal seedlings	96	95	82	1.48	1.43	2.94
Abnormal seedlings	3	4	9	-	-	-
Non-germinated seed	1	1	9	-	-	-

**Method used**

overview for all participants  
presented for the temperature and substrate

Temperature °C	# Users		# Users TOTAL
	Accredited labs	Voluntary participants	
20<=>30	58	33	91
25	53	28	81
20	17	5	22

Substrate	# Users		# Users TOTAL
	Accredited labs	Voluntary participants	
BP	66	35	101
TP	3	2	5
PP	2	3	5
Sand	55	25	80
Soil	1		1
Not reported	1	1	2

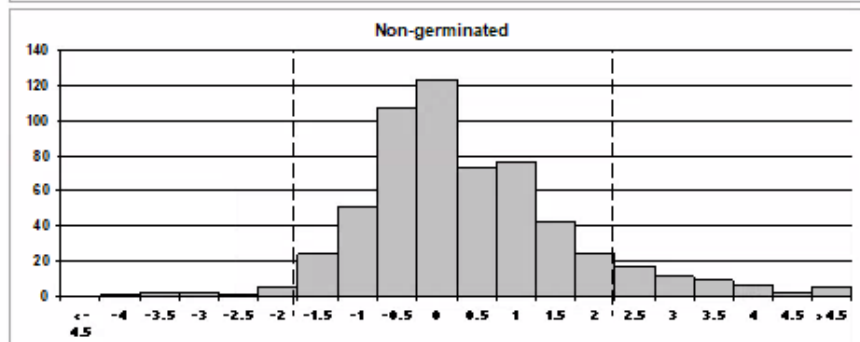
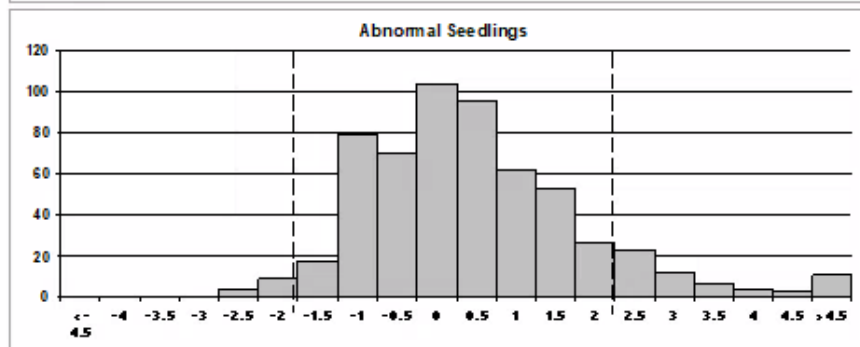
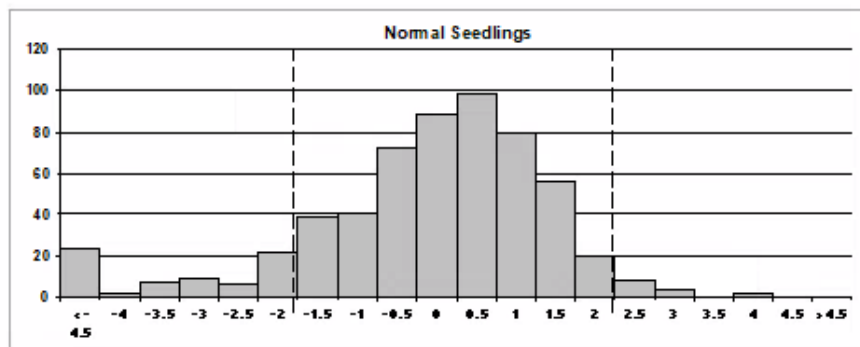
## Z-score Distribution

### Proficiency Test Report – Test Round 21-1 Z.may

Species: Zea mays

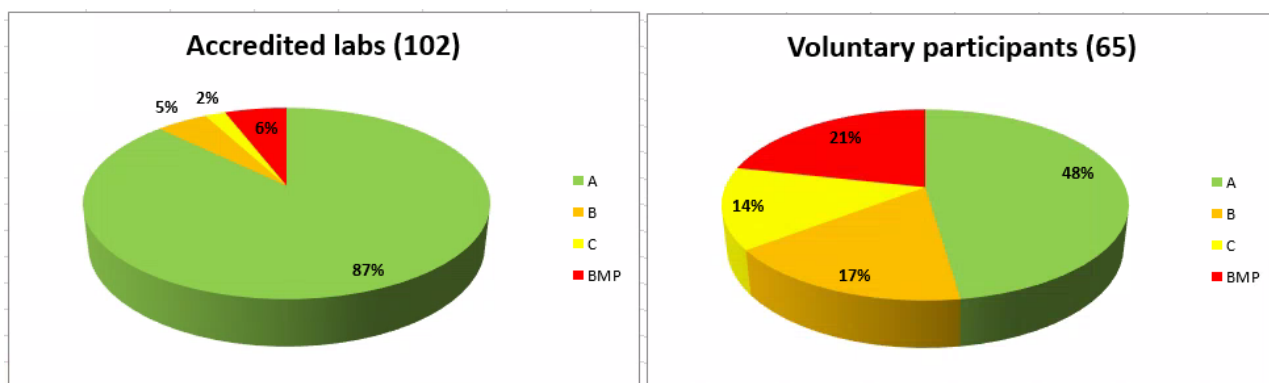
Scope: Germination

The following histograms show the frequency distributions of all participants Z-Scores for the relevant components, i.e. Normal and Abnormal Seedlings and Non-germinated Seeds. The Z-Scores from all three samples are included in each histogram. For further explanations, please refer to the document 'The ISTA Proficiency Test Programme'



**MOISTURE Ratings**

Total number of participants = 167



**Means and Standard Deviation**

of the obligatory accredited participants

Categories	Mean Values %			Standard Deviation		
	Lot 1	Lot 2	Lot3	Lot 1	Lot 2	Lot 3
Moisture	12.4	11.9	12.4	0.28	0.25	0.28

**Method used**

overview for all participants

Method	# Users		# Users TOTAL
	Accredited labs	Voluntary participants	
130-133°C, 4h, fine grinding	99	59	158
130-133°C, 4h, coarse grinding*	2	2	4
moisture meter		1	1
130-133°C, 2h or 66h, fine grinding*	1	1	2
103°C, 17h, coarse grinding or no grinding*		2	2

\* Not prescribed ISTA method for this species

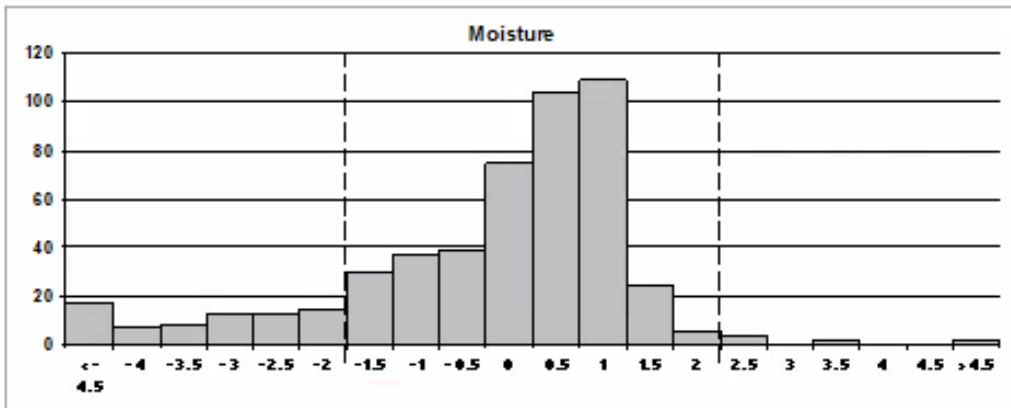
**Z-score Distribution**

**Proficiency Test Report – Test Round 21-1 Z.may**

**Species : Zea mays**

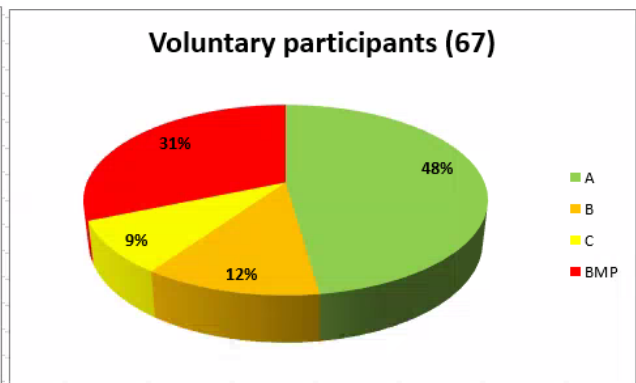
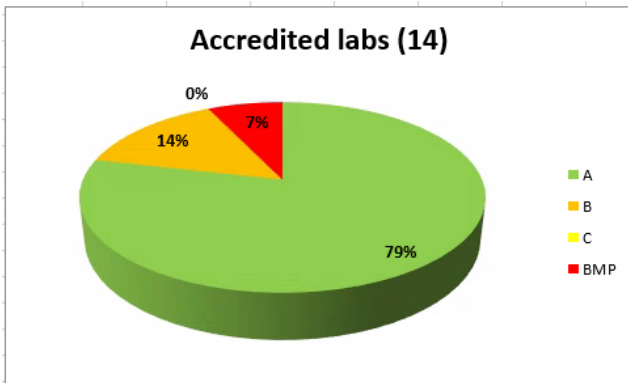
**Scope: Moisture**

The following histogram shows the frequency distributions of all participants Z-Scores for the moisture test. The Z-Scores from all three samples are included in each histogram. For further explanations, please refer to the document 'The ISTA Proficiency Test Programme'.



**VIGOUR TEST (Radicle emergence test Ratings)**

**Total number of participants = 81**



**Means and Standard Deviation**

of the obligatory accredited participants

Categories	Mean Values %			Standard Deviation		
	Lot 1	Lot 2	Lot3	Lot 1	Lot 2	Lot 3
Radicle emergence	95	87	82	2.78	7.78	5.59

Method	# Users		# Users TOTAL
	Accredited labs	Voluntary participants	
Between paper, 20±1°C, 66h ± 15'	14	61	75
Between paper, 13±1°C, 144h ± 1h		4	4
Non-ISTA method		2	2

**Z-score Distribution**

**Proficiency Test Report – Test Round 21-1 Z.may**

**Species :** Zea mays

**Scope:** Vigour

The Z-Scores from all three samples are included in the histogram. For further explanations, please refer to the document 'The ISTA Proficiency Test Programme'

