

Vigour Committee Report

April 2005

Activities

- Establishment of working groups
 - Validation of Controlled Deterioration vigour test (1 WG)
 - Extension of the species base for validated vigour tests (3 WG)
 - Development of new vigour tests (2 WG)
- Proficiency test

Establishment of Working Groups.

1. Validation of the Controlled Deterioration Vigour test

(Group leader A A Powell)

- 7 labs identified to participate
 - DK, FR, GB (2 labs), IT, TR, US
- Preliminary tests are in progress for less experienced labs

2. Extension of the species base for the Conductivity test

- ***Brassica napus* subsp *oleifera***
(Group leader M-H Wagner; FR)
 - 7 labs identified: DK, FR(2), IT, NZ, TR, US
 - Seed despatched and testing in progress
- ***Phaseolus vulgaris*** (A A Powell; GB)
 - 5 labs identified: AU, FR, IN, IT, NZ
 - Seed lots being sourced
- ***Glycine max*** (A A Powell; GB)
 - Seed lots being sourced within Europe

3. Extension of the species base for the Accelerated Ageing test

- *Zea mays*

(L Leonhardt; AU)

- 5 labs participating: FR, GH, IT, K, NZ
- Seed lots being sourced

Development of new vigour tests

1. Tetrazolium staining to evaluate wheat seed vigour

(G McLaren, R Don; GB)

- Completed in collaboration with Tetrazolium Committee
- Good repeatability and reproducibility. Report published in STI

2. Application of assessments of the rate of germination to vigour evaluation

(M Dadlani; IN)

- Rice and onion
- 4 labs participating: FR, GB, IT, K

Proficiency tests

- 2nd Proficiency test for the Conductivity test

(G McLaren, A A Powell; GB)

- 24 labs have indicated they will participate
- Seeds to be distributed in October 2005

- Alison Powell is sorry she cannot be with you to present this report
- **THANK YOU** to **Michael Kruse** for presenting it to you!