

SeedCalculator: a strategic aid in quality assurance

A new, user-friendly computer program is now available for making fast, standardised analyses of germination tests: SeedCalculator. The program has been developed specifically for seed companies. A robust and precise germination model is used to calculate important germination parameters from the results of germination tests. These quality parameters can help in making decisions about seed processing, storage and sales. SeedCalculator graphs the results, prints them out and saves important data.

One investment, continuing benefits

- Fast, easy, standardised analyses of germination tests
- Calculation of important germination parameters, including standard error
- Graphical comparison of germination tests
- Robust and precise germination model
- Clear summary of germination tests
- Statistical analysis
- File format compatible with other programs
- Suitable for Windows 95, 98 and NT 3.51, 4.0

SeedCalculator has been developed especially for the analysis of cumulative germination curves. This data is often difficult to process with standard statistical programs. SeedCalculator automatically calculates essential seed quality parameters: start of germination, germination rate, germination uniformity and the average time of germination. These parameters are used by modern seed technologists to predict the quality of seed batches and to make seed management decisions.

User options

- Calculation of T1, T10, T25, T50, T75 and T90
- Uniformity expressed as T90-T10 and T75-T25
- Mean germination time: MGT
- Skewness of germination curve
- Standard error of calculated parameters
- Calculation based on the number of sown seeds or maximum germination
- Unlimited choice of number of seeds per replication
- Option for skipping a replication
- Calculation of time axis by entering days and hours
- Germination input in percentages or germinated seeds
- Input and output of germination data in ASCII format
- Student's t-Test for various levels of significance
- Printout of cumulative germination curve with parameters, seedling score and summary of relevant data.

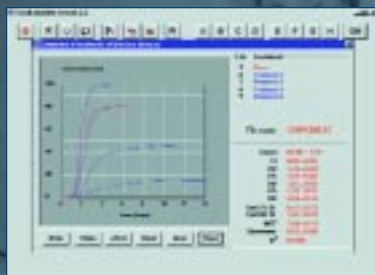
Satisfied users

SeedCalculator has been put to the test by several leading seed companies. Their experiences and recommendations have been used to create this latest version. A number of these same seed companies now use SeedCalculator regularly in seed quality research and for determining the effects of seed treatments.



Test version

If you are interested in analysing and computerising your germination data, SeedCalculator 2.2 can help! You can test it for yourself. Just download the demo version from our website (www.plant.wageningen-ur/products/)!



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SeedCalculator 2.2

Software package for
analysing germination
tests

