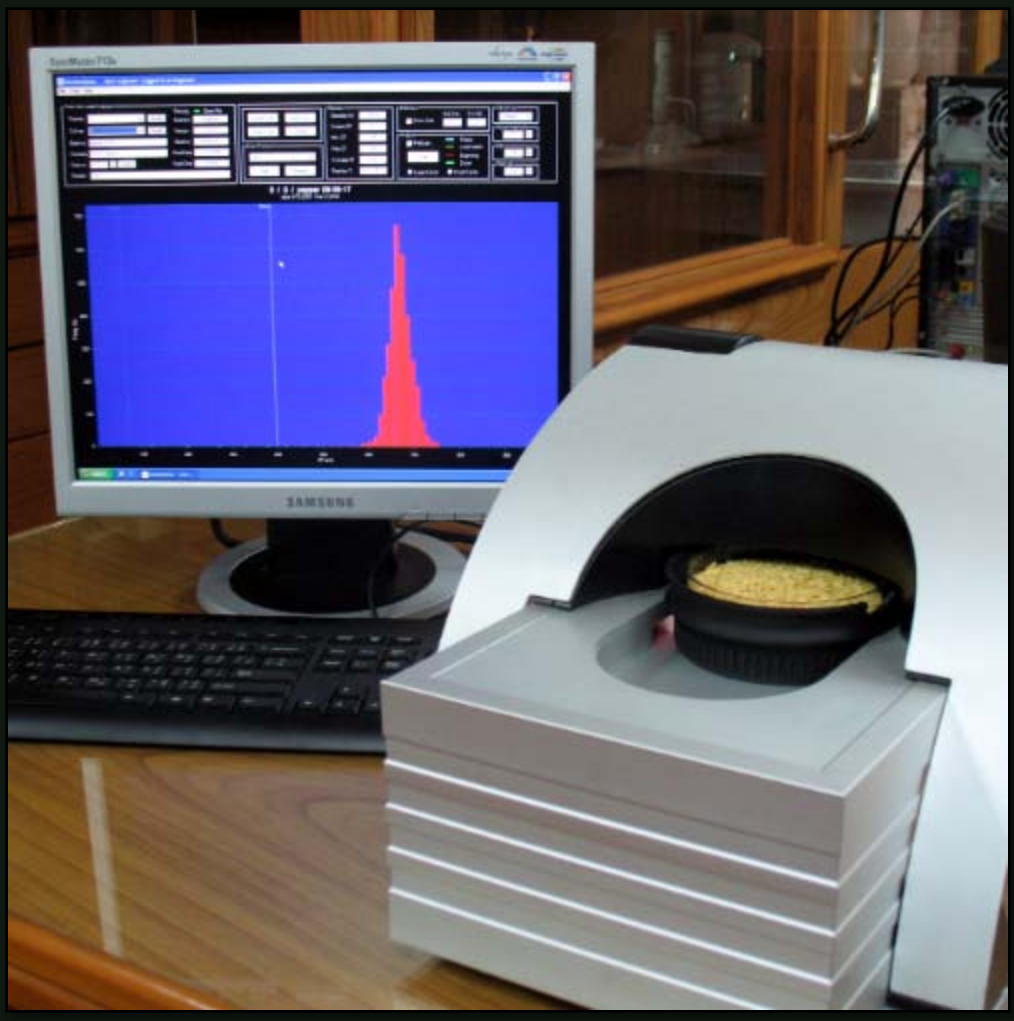

SeedAnalyser

RR Analytical

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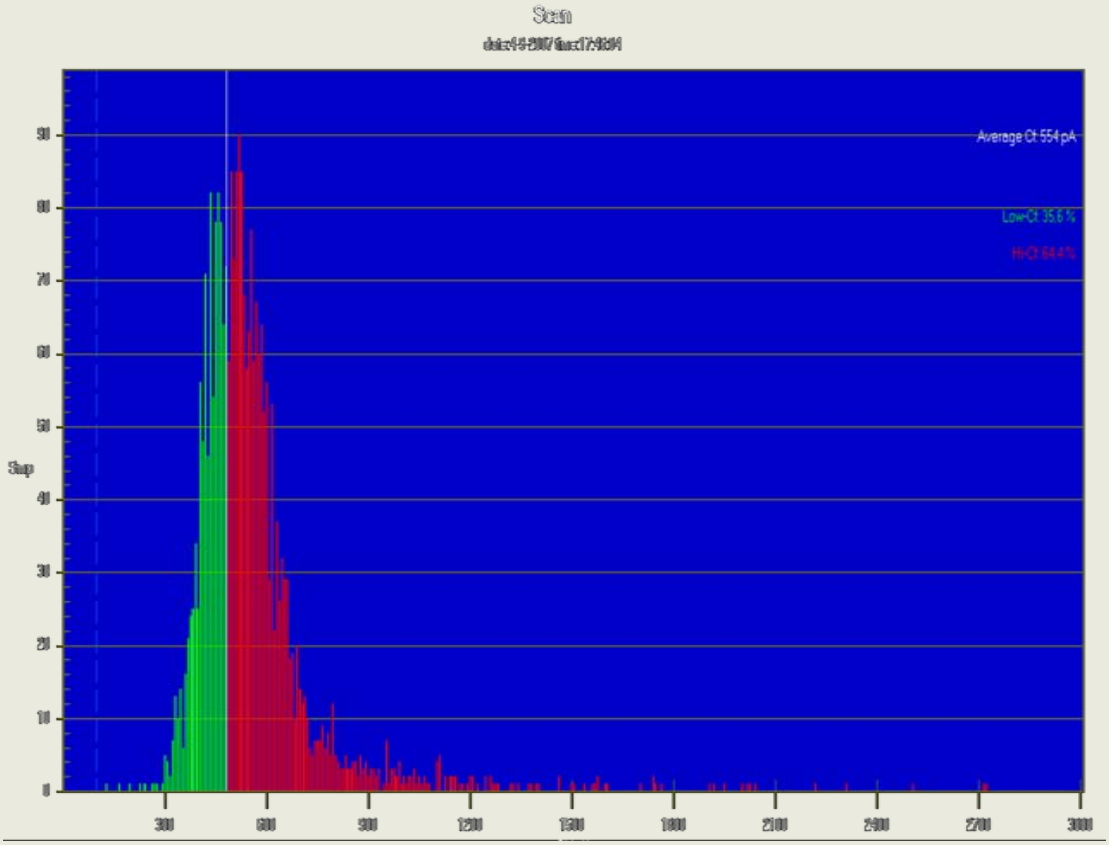
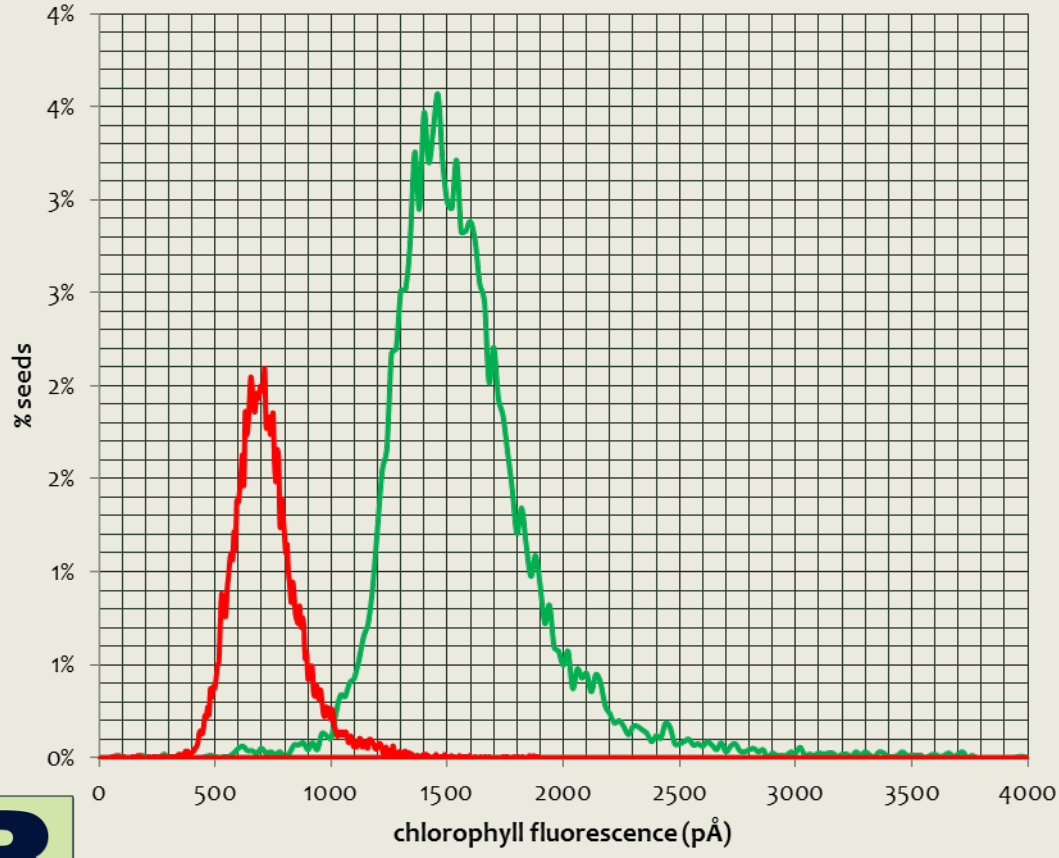
Data from 1 sample



Data from immature (green) and mature (red) samples



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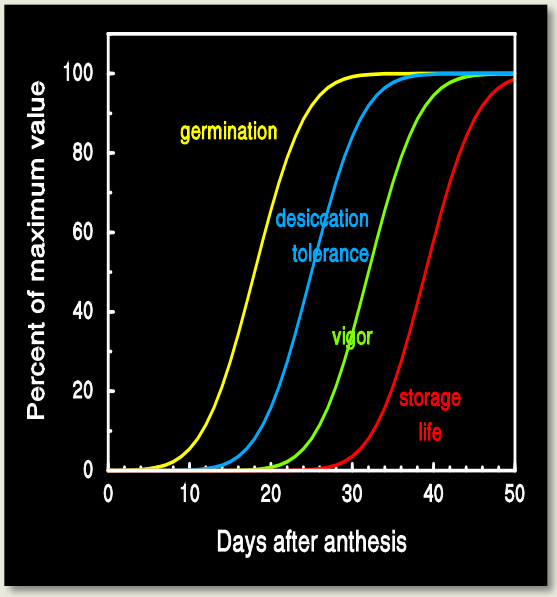
Different species have been thoroughly tested by Rhino Research and protocols as well as specific high-end trainings are available



Measuring seed maturity through chlorophyll fluorescence

Chlorophyll presence on seed has a direct link to maturity and can be fast but precisely measured through it's fluorescence.

To be used in the field

As an indicator for seed maturity for harvesting decisions.

To be used in the warehouse

By intake of fresh harvested seed lots, for premium calculations or by seed sorting as a quick indicator.

To be used in the seed lab

As a measurement of maturity, as an indicator for storability, seed quality or vigor.

An extremely fast and mobile test.

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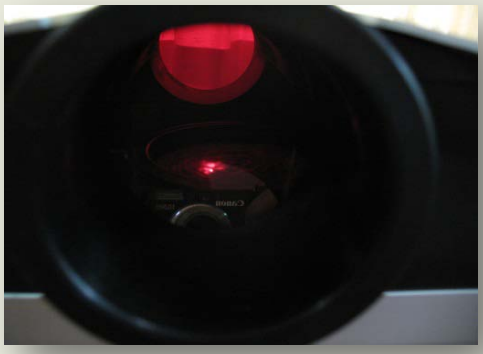
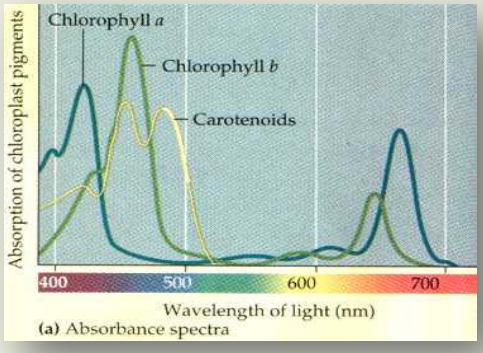
Developed by Wageningen (PRI)
Engineered by Grow
Mastered by Rhino Research

The machine is related to a method for the assessment of the maturity and quality of seeds by measuring the amount of CF. The method measures the amount of chlorophyll in the seed envelope and has a very high sensitivity. The measured fluorescence is not a measure for photosynthetic activity.



Furthermore, the method is also suitable for detecting seeds with cracks in the seed envelope. Here the inner tissue of the seed is uncovered due to the crack, but must contain chlorophyll. In general, seeds with a high intensity of CF are either immature or/and have cracks in the seed envelope. Seeds with a lower intensity of CF are more mature. The technique is suitable for most type of seeds from the horticultural crops, agricultural crops, ornamental crops, forestry crops and other seeds like nuts, kernels or beans. Using this technique the distribution of the maturity of a sample of a seed lot can be measured for quality determination. A good example is the objective determination whether the seeds are good enough to be harvested. This does not have to be done by experience or 'intuition' or at a fixed time pollination.



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