

Rapid Screening of Barley

Industries for this invention

- Breweries and microbreweries
- Industries where germination energy is to be determined

Innovation Status

TRL 5
Lab scale validation and early prototype

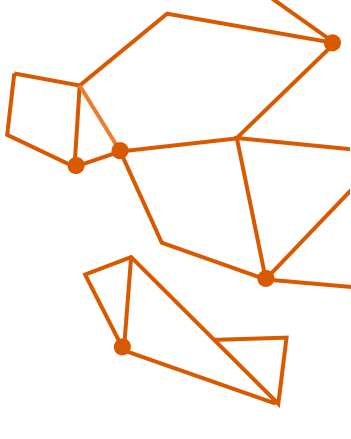
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Invention

A method of rapidly determining germination energy in harvested Barley. The technology presents a disposable pregnancy-test-type format that is fast and ideal for on site testing.

Problem Solved

Presently, within the brewing industry, no accurate means to measure levels of seed germination exist. Testing of seed germination energy takes place prior to storage and the malting process. Premature germination means that seeds cannot be used for malting in the brewing process. Methods currently used for the determination of germination energy is cumbersome and not suitable for rapid screening of large quantities of seed on a commercial scale. An on site means of determining premature germination by a non-skilled person is required.

Application

For use by breweries, microbreweries and industries where germination energy is to be determined. Germination of seeds are important to ensure a successful malting process.

Advantages/Value proposition

- A simple and inexpensive device for rapid screening
- Can be done by unskilled persons on site

