

# Cultivating robust grain species in BINDER dynamic climate chambers



## Applications:

Cultivating and testing barley and other winter grain species; cultivating resistant grain species; growth cycles under alternating temperature and light conditions

## Customer requirements:

- Temperature range: -30 °C to +60 °C
- Tests at -20°C plus light
- Integrated water storage tank

- Programmable condensation protection for samples
- Heated viewing window with LED interior lighting
- Humidity control
- Troubleshooting system with visual and acoustic alarms
- Controller with time-segment and real-time programming
- Internal data logger, measured values can be read out in open format via USB
- Access port

## Why BINDER?

“BINDER offers chambers that are individually tailored to its customers and are distinguished by their exceptional quality,” say the scientists at the laboratory who are working with the dynamic climate chambers from BINDER.

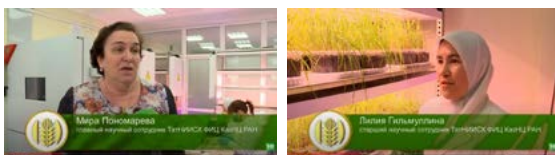
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## Information on the scientific institution:

The Federal Research Center “Kazan Scientific Center of the Academy of Sciences” is located in Kazan, Russia. The laboratory conducts research into resources, recycling, new technologies, and materials, as well as quality of life.

## BINDER solutions:

- Homogeneous climate conditions thanks to APT.line™ preheating chamber
- Automatic water and waste water management
- Highly responsive steam humidification
- Extensive programming and data collection
- Large, heated viewing window. Light component can be fitted



Click here to watch the video (in Russian) > <https://youtu.be/uXNWuoeoAd8>