



# Crop Transformation Services



## Wheat

- Spring and winter hexaploid varieties
- Two transformation methods demonstrating routine efficiencies of 30% and 15% respectively
- High throughput system - 3000 T0 plants/year - applicable to single or multiple constructs
- Phenotypically normal plants with good seed yield

## Other Crops

- Oilseed Rape
- Potato
- Barley
- Other species - please enquire

## Technologies

- Agrobacterium mediated transformation – exclusive license to PureWheat<sup>®</sup> Technology for contract wheat services in Europe
- Biolistics
- Co-transformation for marker elimination
- Multiple selection systems and evaluation of customers' proprietary selection systems
- Embryo rescue for reduced generation times
- Construct design and preparation
- Copy number determination

Plant  
Science  
into  
Practice

## Facilities

- Dedicated tissue culture laboratory
- Separate growth of donor and transgenic material
- Growth chamber space for 3000 T0 plants/year
- New GM glasshouse space for subsequent generations
- Experience in GM field evaluation
- Staff with extensive tissue culture and transformation experience

*For further information please contact [croptransformation@niab.com](mailto:croptransformation@niab.com)*

## Pipeline Management

- In-house Oracle database
- Barcode tracking system
- Traceability from construct DNA to seed
- High level of QC
- ISO 9001 : 2008 certified

## Shipment

- Plantlets or seed shipped to customers
- Plantlets shipped throughout Europe
- Robust packaging ensures safe delivery

