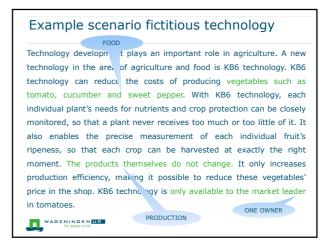
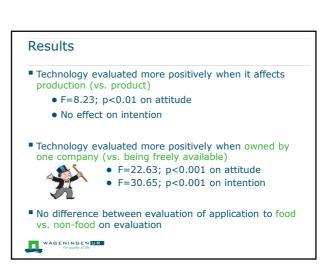


Consumer study I ■ Scenarios based on features: 2*2*2 = 8 conditions 1 Production Food Owned by market leader 2 Production Freely available Food 3 Production Non-food Owned by market leader Non-food 4 Production Freely available Food 5 Product Owned by market leader 6 Product Food Freely available Owned by market leader Non-food Recruited online by market research agency ■ N=745, randomly assigned to condition ■ Representative sample WAGENINGEN UR For quality of life



Results Support for overall research model: R²=.64-.70 Perceived naturalness strongest predictor of evaluation β=.45, p<.001 on attitude β=.44, p<.001 on buying intention Perceived newness also predicts evaluation β=.18, p<.001 on attitude β=.19, p<.001 on buying intention



Discussion Study I

- Important for consumers' evaluations
 - Naturalness
 - Newness
- No difference between application to food/non-food
 - Potential explanation: application to food evokes both high risk and high benefit perceptions
- Consumers are more positive about one owner
 - Open answers: more trust in competence and controllability of one big company



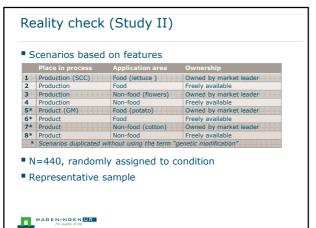
Reality check (Study II)

- What happens if you add context?
- Replicated Study I with existing cases of new agrifood technologies
 - Product: Plant GM

WAGENINGEN UR
For quality of life

- Food: potato
- Non-food: cotton
- Production: Soilless crop cultivation (SCC)
 - Food: lettuce
 - Non-food: flowers





Results reality check Compared to Study I Confirmed Support for model (R²=.54-.65) Strong positive effect of naturalness (β=.49 on attitude and β=.45 on intention, p<.001) Positive effect of newness (β=.26 on attitude and β=.21 on intention, p<.001) More positive evaluation when technology is applied to production (vs. products) (F=22.63; p<.001 for attitude and F=8.83; p<.01 for intention)

Results reality check Different No difference on technology ownership No difference for risk and benefit perceptions on application area Effect of using the term GM is limited: only attitude is more positive when GM is not mentioned (p<.05)

