

Turning Agricultural Waste into Wealth: Production of Sustainable Cellulose for Hydroponic Farming

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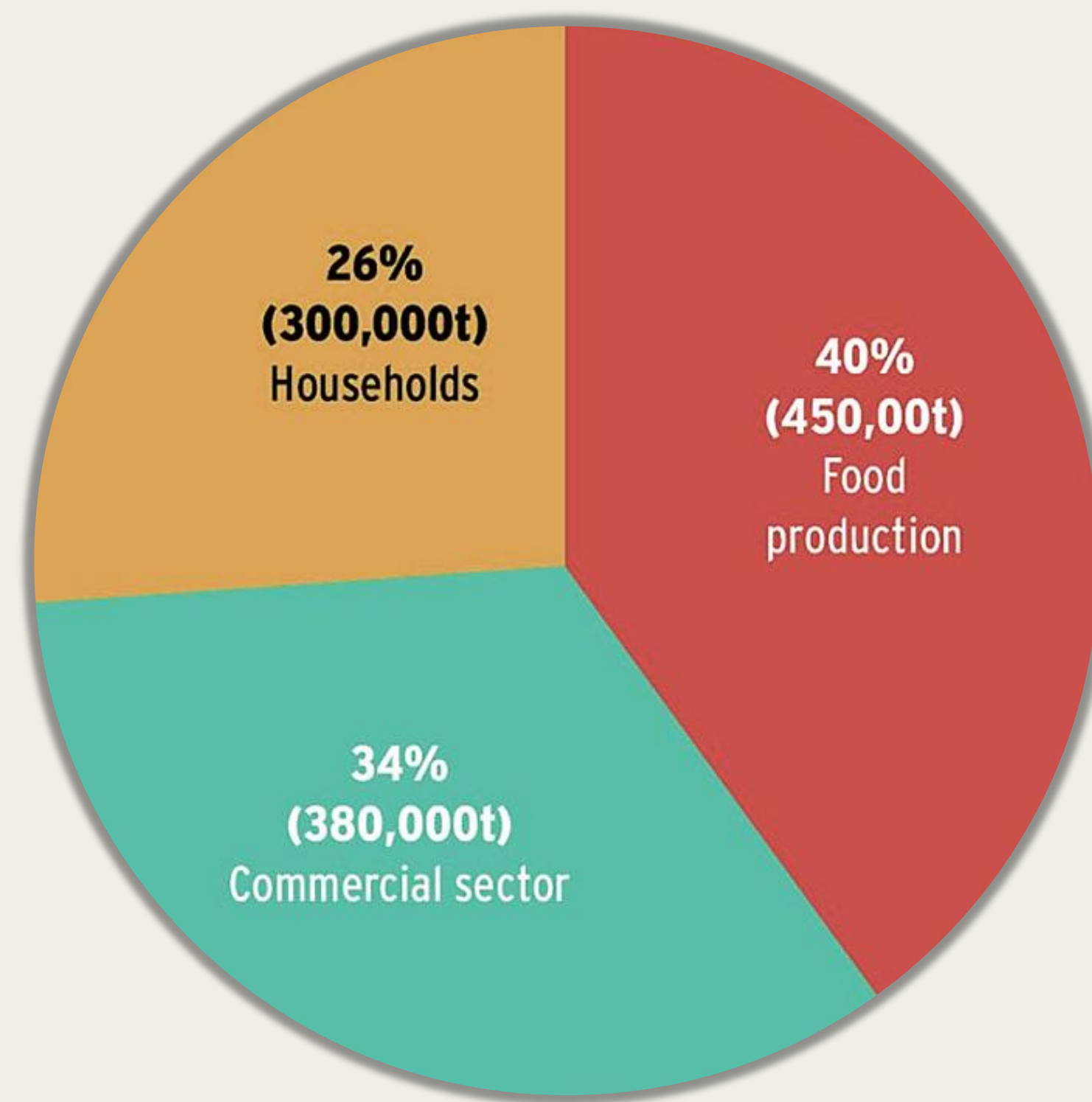
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*Early Stage category

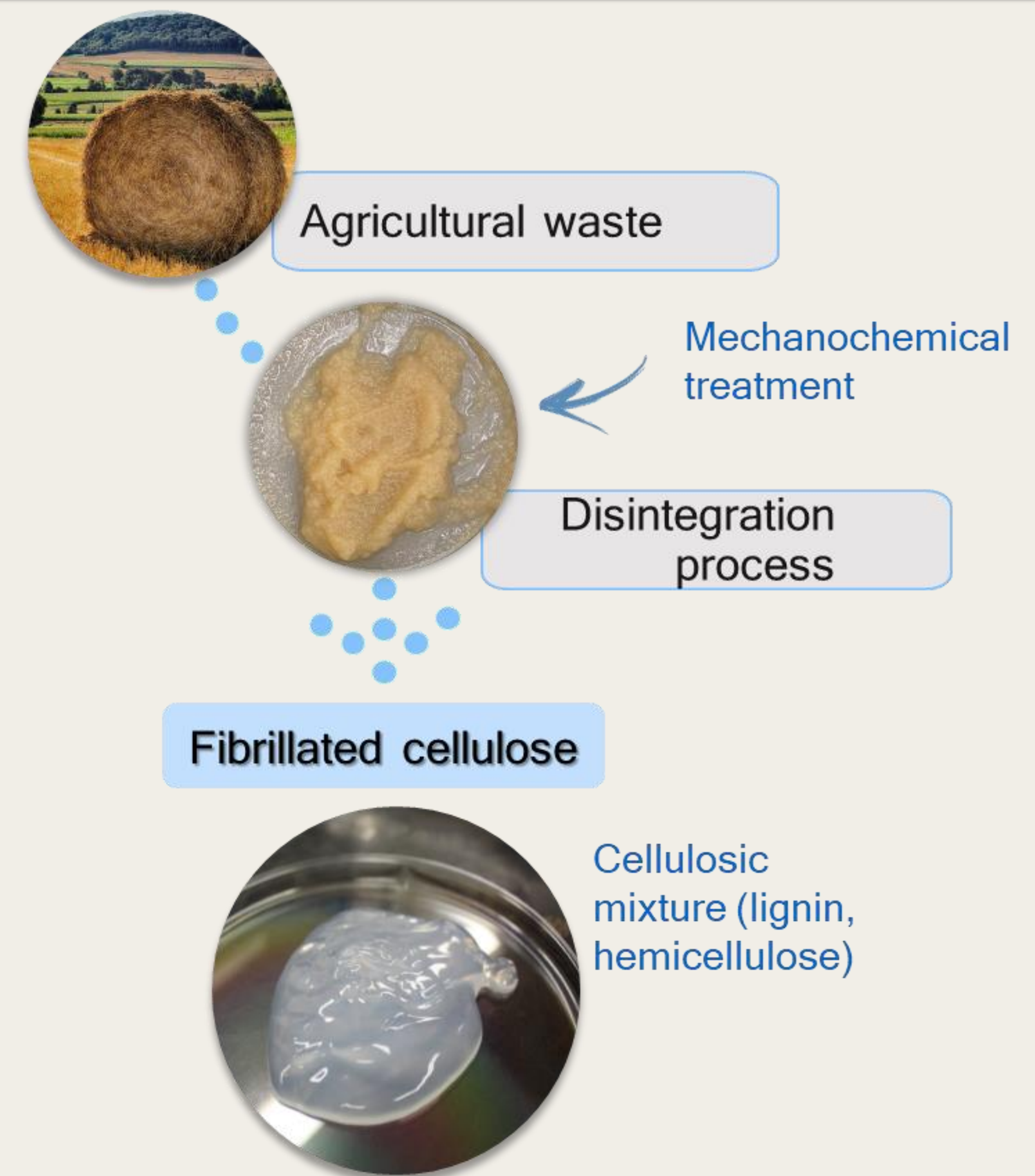
THE PROBLEM OF AGRICULTURAL WASTE

Globally, it is estimated that approximately **998 million of agricultural waste** is produced yearly. This enormous amount of waste has become a matter of great public concern. However, agricultural waste is a natural resource from which **cellulose can be recovered**. Ireland generates 1.1m tonnes of food waste every year, 40% of which comes from food production.

Where does agricultural waste come from in Ireland?

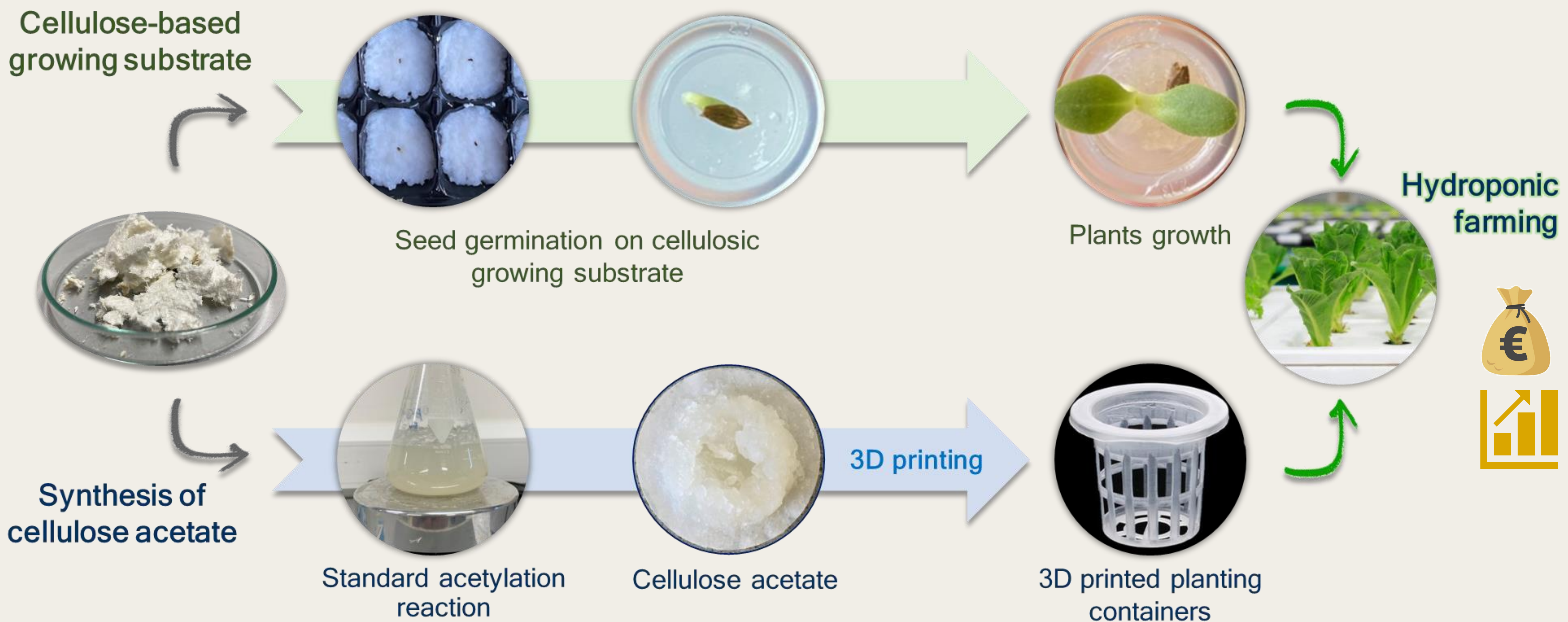


HOW TO RECOVER AGRICULTURAL WASTE?



TWO-FOLD APPROACH TO PRODUCE ADDED-VALUE CELLULOSIC DERIVATIVES FOR HYDROPONICS

Waste-based cellulose derivatives can be used as alternative materials to help farmers make agriculture smarter



REFERENCES

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ACKNOWLEDGEMENTS



GET IN TOUCH!

