

Opportunities for the cultivation of biobased building materials (bbbm)

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Outreach

Objective(s)

Goal - Farmers involved in the cultivation of biobased materials (BBM), develop a narrative on their business case and chain development. Depending on farmers' priorities, the narrative would include drivers, critical success factors, feasibility, risk management, new chain /policy arrangements and adaptation and motivations etc. In a series of workshops, regarding each of three BBM product group (straw/ olifantgras (Miscanthus), fiber hennep, Paulownia) the farmers present and discuss their narrative in dialogue with interested colleagues farmers. Both narrative and dialogue will be processed into an end product for broader outreach.

Target audience

The activity is intended for farmers already involved in a BBM production with their chain partners, who will develop a narrative to present to and discuss with interested farmers. The development of the narrative will involve 3 to 5 farmers (with input from a chain architect e.g. a processing or building company and WUR) for the development of a narrative per product group, and 6 to 8 interested farmers (LTO estimate), making a total of 27 to 45 farmers). The limited amount of participants will enable a safe and trustful environment for dialogue and learning as well as enable an in-depth and rich discussion.

Medium

The end product of the project, -visual documentation of project process and results-, is intended for reaching a wider audience.

1. Grain straw
2. Short fiber from hemp
3. Short fibre of flax
4. Elephant Grass
5. Paulownia
6. Willow
7. Reed
8. Cattail

Table 1. Most promising fibre crops for farmers in the Netherlands 2023

Crop	Area (*1.000 ha)	Amount of biomass(*1.000 ton)
Grain straw	120	500
Fiber hemp	1,985	15,8
Flax	2,373	17,8 (2,1 Short Fiber)
Elephantgrass	0,438	7,7

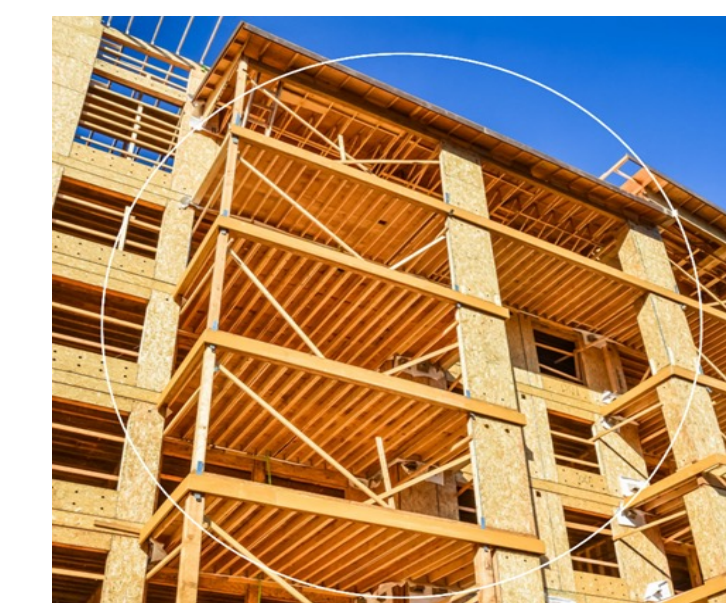
Table 2. Area and quantity of the most important biobased crops for construction in the Netherlands in 2023



Ecovillage Boekel, biobased building materials



hempline



timber construction

Scientific story

