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Planning and scheduling of the make-and-pack dairy production under lifetime uncertainty

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Highlights

- We consider a planning and scheduling problem in the make-and-pack production.
- We propose a chance constrained linear programming model.
- The model minimizes the makespan and accounts for the uncertainty in quality decay.
- The numerical study reflects real settings from a yoghurt production case.
- The proposed production schedule is evaluated by a simulation model.

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