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Optimal Wholesale Facilities Location within the Fruit and Vegetables Supply Chain With Bimodal Transportation Options: An LP-MIP Heuristic Approach

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**Highlights**

- We developed a mixed integer linear programming (MILP) and a heuristic solution for regional food access through optimal hub locations.
- If the food mile becomes overly restrictive to ensure local food sourcing, some regions in the network will not be able to provide local food through land transportation.
- Bounded upper cap of the hubs in some cases will operate with excess capacity because insufficient quantities of food will be available.
- There is always a trade-off between transportation costs and fixed costs of building hub capacity.

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