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Experimental and numerical analysis of the spray application on apple fruit in a bin for postharvest treatments

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## Highlights

- Spraying application in postharvest was examined experimentally and mathematically.
- Suction pressure and droplet sizes affects droplet deposition distribution.
- Spraying in cool store room resulted in a very low amount of deposition.
- Spraying in a tunnel looks a potential alternative.
- Study incorporating bio-efficacy testes is recommended to choose optimal settings.

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