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**Fig. 1.** Levels of carbon dioxide in ppm per second of strawberry samples belonging to the four treatment categories (A: negative control; B: sprayed with 8mg/ml PJ-WS-LE extracts; C: coated with 1% chitosan; D: Coated with 8mg/ml PJ-WS-LE extracts embedded in 1% chitosan) measured during weeks 1, 2, 3 and 4 of the storage period. Dotted lines represent the trend lines and their equations.

**Fig. 2.** Average aerobic surrounding bacterial CFU in CFU/g ±SE of strawberry represented in logarithmic scale of samples exposed to different treatment during three weeks of storage (A: negative control; B: sprayed with 8mg/ml PJ-WS-LE extracts; C: coated with 1% chitosan; D: Coated with 8mg/ml PJ-WS-LE extracts embedded in 1% chitosan).

**Fig. 3.** Average surrounding mold spores CFU in CFU/g ±SE of strawberry represented in logarithmic scale of samples exposed to different treatment during three weeks of storage (A: negative control; B: sprayed with 8mg/ml PJ-WS-LE extracts; C: coated with 1% chitosan; D: Coated with 8mg/ml PJ-WS-LE extracts embedded in 1% chitosan).

**Fig. 4.** Average surrounding yeast CFU in CFU/g ±SE of strawberry represented in logarithmic scale of samples exposed to different treatment during three weeks of storage (A: negative control; B: sprayed with 8mg/ml PJ-WS-LE extracts; C: coated with 1% chitosan; D: Coated with 8mg/ml PJ-WS-LE extracts embedded in 1% chitosan).

**Table 1**

Number of strawberry samples showing specific fungal genus growth throughout their storage period.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Weeks | 1 | | | | 2 | | | | 3 | | | | Total |
| Treatment Batches | **A** | **B** | **C** | **D** | **A** | **B** | **C** | **D** | **A** | **B** | **C** | **D** |
| *Cladosporium* | 2 | 1 | 3 | 3 | 9 | 6 | 6 | 11 | 6 | 5 | 6 | 2 | 60 |
| *Botrytis* | 2 | 0 | 3 | 1 | 3 | 2 | 0 | 7 | 6 | 5 | 6 | 0 | 35 |
| *Penicillium* | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 |
| *Aspergillus* | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 1 | 0 | 7 |
| *Rhizopus* | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |