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# 「土佐文旦」の野囲い貯蔵における新たな被覆資材の研究

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# Study of new covering materials for outdoor storage of "Tosa-Buntan"

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**要　約**

「土佐文旦」の野囲い貯蔵に用いる稲わらの代替資材としてアルミ蒸着気泡緩衝材および多層保温被覆資材を選定し，貯蔵性を調査した．その結果，以下の特徴より，代替資材として有望と判断した．

アルミ蒸着気泡緩衝材および多層保温被覆資材の貯蔵期間中の内部温度は，高温期および低温期ともに稲わらよりやや低くなるが，日較差は同程度であった．また，果実品質は，Brixおよびクエン酸含量ともに稲わらと差がなく，減量歩合も同等であった．さらに，アルミ蒸着気泡緩衝材および多層保温被覆資材は４年使用可能である．

キーワード：土佐文旦，貯蔵，被覆資材，アルミ蒸着気泡緩衝材，多層保温被覆資材

**Summary**

Aluminum vapor-deposited bubble cushioning material and multi-layer thermal insulation covering material were selected as substitute materials for rice straw used for outdoor storage of 'Tosa-buntan', and the storability was investigated. As a result, it was judged to be promising as an substitute material due to the following characteristics.

The internal temperature of the aluminum vapor-deposited bubble cushioning material and the multi-layer thermal insulation covering material during storage was slightly lower than that of rice straw in both high and low temperatures period, but the diurnal range was similar. In terms of fruit quality, both Brix and citric acid contents were similar to those of rice straw, and the percentage of weight loss was similar to that of rice straw. In addition, the aluminum vapor-deposited bubble cushioning material and the multi-layer thermal insulation covering material can be used for four years.

Key words: Tosa-buntan, storage, covering materials, Aluminum vapor-deposited bubble cushioning material, multi-layer thermal insulation covering material