

고랭지 재배시기에 따른 라디치오 품종별 수량 및 품질 비교

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Comparison of Quantity and Quality of Radicchio (*Chicorium intybus*) Varieties with the Highland Growing Season

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ABSTRACT

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This experiment provides basic data for selecting the best variety of radicchio in Gangwon-do, highland. The experiment was conducted in an open field in Taebaek-si (at the high altitude of 800 m) in 2021. Varieties compared were 'Leonardo', 'Raffaello', 'Rossini', 'Rubro', 'Vasari', 'Botticelli', and 'Canaletto', which are all widely cultivated in Europe and the United States. The weight, spherical index, and predicted quantity were investigated. Most of the radicchios planted in spring bolted, which aligns with the chicory flower differentiation. Additionally, the high seasonal temperatures impacted the anthocyanin synthesis causing low spring crop quality. In spring, 'Leonardo' had the highest cultivation period with a rate of 93.3% and an average weight of 343 g. 'Leonardo' was also the best for the predicted yield per unit area of 1,170 kg/10 a. In autumn, 'Leonardo' had the highest product rate of 84.4%. However, 'Canaletto' was the heaviest at 376.6 g. There was not a statistically significant weight difference between 'Canaletto', 'Leonard', 'Raffaello', or 'Rossini'. The highest predicted yield per unit area was 'Canaletto' at 1,102 kg/10 a. Therefore, we select 'Leonardo' as the best variety, it consistently displayed the highest quantity and quality of radicchio for growing in both spring and autumn in high altitude regions.

Keywords: Chicory, Highland, Red chicory, Radicchio, Variety

서론

치커리의 한 종류인 라디치오(*Chicorium intybus* L. var. *Folisum*)는 적색과 흰색으로 이루어진 잎을 가진 결구형엽채류로, 주로 유럽과 미국에서 샐러드용으로 많이 소비되고 있다. 최근 국내에서도 식생활 소비 패턴의 변화 및 외식수요 증가 등으로 인하여 소비 및 수입량이 증가하고 있다.

