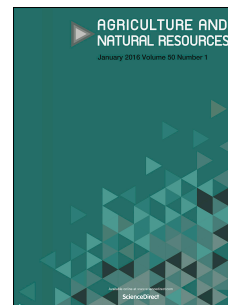


# Accepted Manuscript

Pre-harvest drought stress treatment improves antioxidant activity and sugar accumulation of sugar apple at harvest and during storage

Laddawan Kowitcharoen, Chalermchai Wongs-Aree, Sutthiwal Setha, Ruangsak Komkhuntod, Satoru Kondo, Varit Srilaong



PII: S2452-316X(17)30315-0

DOI: [10.1016/j.anres.2018.06.003](https://doi.org/10.1016/j.anres.2018.06.003)

Reference: ANRES 175

To appear in: *Agriculture and Natural Resources*

Received Date: 10 July 2017

Revised Date: 18 October 2017

Accepted Date: 17 November 2017

Please cite this article as: Kowitcharoen L, Wongs-Aree C, Setha S, Komkhuntod R, Kondo S, Srilaong V, Pre-harvest drought stress treatment improves antioxidant activity and sugar accumulation of sugar apple at harvest and during storage, *Agriculture and Natural Resources* (2018), doi: 10.1016/j.anres.2018.06.003.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **Pre-harvest drought stress treatment improves antioxidant activity and sugar**  
2 **accumulation of sugar apple at harvest and during storage**

3

4 Laddawan Kowitcharoen<sup>a,e,†</sup>, Chalermchai Wongs-Aree<sup>a,b</sup>, Sutthiwal Setha<sup>c</sup>, Ruangsak  
5 Komkhuntod<sup>d</sup>, Satoru Kondo<sup>e,†</sup>, Varit Srilaong<sup>a,b,\*</sup>

6

7 <sup>a</sup>Division of Postharvest Technology, School of Bioresources and Technology, King  
8 Mongkut's University of Technology Thonburi, Bangkok 10150, Thailand

9 <sup>b</sup>Postharvest Technology Innovation Center, Commission of Higher Education, Bangkok  
10 10400, Thailand

11 <sup>c</sup>Postharvest Technology Program, School of Agro-Industry, Mae Fah Luang University,  
12 Chiang Rai 57100, Thailand

13 <sup>d</sup>Research Center (Pakchong), Kasetsart University, Nakhon Ratchasima 30320, Thailand

14 <sup>e</sup>Graduate School of Horticulture, Chiba University, Chiba 271-8510, Japan

15

16 *Article history:*

17 Received 10 July 2017

18 Accepted 17 November 2017

19 Available online

20

21 *Keywords:*

22 Abscisic acid (ABA);

23 Ascorbic acid;

24 Ethylene;

25 Storage;

26 Tropical fruit

27

28 \*Corresponding author.

29 E-mail address: varit.sri@kmutt.ac.th (V. Srilaong)

30

31

Download English Version:

<https://daneshyari.com/en/article/10224956>

Download Persian Version:

<https://daneshyari.com/article/10224956>

[Daneshyari.com](https://daneshyari.com)