

# Pineapple News

Newsletter of the Workgroup Pineapple, International Society for Horticultural Science  
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## Table of Contents

Pineapple Working Group News .....	2
From the Editor.....	2
Proceedings of the 8th International Pineapple Symposium.....	3
Proper Naming of Pineapple Cultivars: Problems and Recommendations for Improvement .....	3
New Sources for Pineapple Cultivar Names and Descriptions: Contributions from “Pineapple People” Invited ..	5
News from Brazil.....	7
IX International Pineapple Symposium – Plans for Costa Rica Canceled.....	7
VI Brazilian Pineapple Symposium.....	8
Embrapa Held First Course on Cryopreservation of Plants With Emphasis on Pineapple .....	8
Organic Pineapple Production System for the Region of Lençóis, Chapada Diamantina, Bahia, Brazil .....	9
Cultivation of Pineapple in Organic System – Recommendations Based on Studies in the Semiarid Region of the Chapada Diamantina, Bahia, Brazil .....	16
Use of Baits for Integrated Pest Management (IPM) of Ants, Pineapple Mealybugs, and Mealybug Wilt Disease of Pineapple in Espírito Santo, Brazil.....	20
Influence of Washing and Plastic Packaging on Post-harvest Quality of Ornamental Pineapple Stalks .....	22
News from Costa Rica .....	26
Burdown of Pineapple Plants in Costa Rica .....	26
News from Cuba .....	31
Hardening of ‘MD-2’ Micropropagated Pineapple Plants by Drought to Improve the Acclimatization-field Transition .....	31
Response of ‘MD-2’ Pineapple Plantlets (Ananas comosus var. comosus) to a Controlled Release Fertilizer During the Acclimatization Stage.....	37
News from France.....	41
Claude Py: In Memorium.....	41
The Last Revision of Pineapple Nomenclature .....	45
News from the USA (Hawaii) .....	49
Solar Injury Causes Crown Deformities of ‘CO-2’ Fruits .....	49
Commercial and Professional Services.....	53
Book Reviews and Web Sites of Possible Interest .....	53
New References on Pineapple .....	54
Contributions to Pineapple News .....	61

**Click the link below to access an abbreviated index of all issues of Pineapple News**

[https://docs.google.com/spreadsheets/d/1ePrvbOxZK\\_fAetf5dDG9KSJ-iI3TGbWEuVPqNWSIC1k/pubhtml](https://docs.google.com/spreadsheets/d/1ePrvbOxZK_fAetf5dDG9KSJ-iI3TGbWEuVPqNWSIC1k/pubhtml)

Cayenne’). No “cv” prefix or single quotation marks are used around the clone or local names because they are not cultivars.

**Acknowledgement:** Thanks are due to G. Coppens d'Eeckenbrugge and G. Sanewski for their helpful editing and suggestions.

Coppens d'Eeckenbrugge, G. 2014. Pineapple taxonomy: Species, botanical varieties and cultivars, and their importance in understanding and managing pineapple diversity. Pineapple News No. 21, 34-37.

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Zhou, L., Matsumoto, T., Tan, H., Meinhardt, L.W., Mischke, S., Wang, B., and Zhang, D., 2015. Developing single nucleotide polymorphism markers for the identification of pineapple (*Ananas comosus*) germplasm. Horticulture Research 2:(25 November 2015).

## **New Sources for Pineapple Cultivar Names and Descriptions: Contributions from “Pineapple People” Invited**

D. P. Bartholomew, G. Coppens d'Eeckenbrugge and G. M. Sanewski

The American Society for Horticulture Science (ASHS) has quite a long history of publishing cultivar names and descriptions of fruits and nuts in the journal HortScience (Cummins, 1994). Brooks and Olmo (1997) published a compendium of fruit and nut varieties that included the descriptions of the pineapple cultivars CO-2, Smooth Cayenne and Spanish Jewel. The description of Smooth Cayenne included Pineapple Research Institute of Hawaii hybrids ‘53-116’ and ‘59-656’ that should have been listed under their own headings.

No recent compendiums of fruit and nut varieties have appeared since 1997. However, HortScience continues to publish Fruit and Nut variety descriptions every two years. Pineapple has not been well represented in the HortScience Register until recently. In 2009 a list of 17 cultivar descriptions were included in Register of New Fruit and Nut Cultivar List 45 (Bartholomew et al., 2010; see list at <http://hortsci.ashspublications.org/content/45/5/716.short>). No pineapple cultivar descriptions were contributed to Lists 46 and 47 but an additional 10 cultivar descriptions were contributed to Register of New Fruit and Nut Cultivar List 48 (Bartholomew et al., 2016; see list at <http://hortsci.ashspublications.org/content/51/6/620.full.pdf+html>). While the HortScience lists are freely available, we are hoping to develop a complete alphabetical list, including photographs, which would provide a more efficient way to access pineapple cultivar descriptions.

### **Searchable List of Pineapple Cultivar Descriptions**

If the “Pineapple People” (Butcher and Gouda, 2014), i.e. the Pineapple Working Group of ISHS (<http://www.ishs.org/pineapple>), can promote and sustain an effort to publish cultivar information in HortScience, we should soon have a relatively complete list of pineapple cultivars of some commercial importance on national and international markets. Our objective is to create an on-line searchable list of the commercially important cultivars and clones as well as those that are considered to be valuable parents in a pineapple breeding program.

### **Factsheet to Guide Preparation of Pineapple Cultivar Descriptions**

We also plan to develop a cultivar factsheet that can be used to submit information about new cultivars that should be added to the HortScience Register of Fruits and Nuts. Once the factsheet has been developed it will share with readers by email to the Pineapple News mailing list.

### **Inventory of Diverse Pre-Columbian Pineapple Materials**

We also propose to find collaborators who will be willing to help develop an inventory of the highly diverse pre-Columbian materials, marketed at small scales in tropical Latin America. This is expected to require considerable time and be difficult as they are most often mentioned only in the grey literature so accurate descriptions likely would need to be developed. The Factsheet referred to above will be developed with this objective in mind.

### **Development of an On-line List, by Country, of Pineapple Cultivars.**

In support of the above efforts, D.P. Bartholomew searched through the pineapple reference database, now containing over 10,000 references, by country and cultivar and collected a large number of cultivar and synonym names. The names, by country, have been accumulated in a spreadsheet that was reviewed by the co-authors and their additions and corrections have been included in the list. The list can be viewed at: <https://docs.google.com/spreadsheets/d/1NDR9v3FSZLP8W3m9rYhScErrxed8vEc7f8meDyLXEmg/pubhtml> and contains the following information:

1. Names of cultivars and hybrids found in the published literature from that country.
2. Parents of hybrids where known.
3. Synonyms, clones, local names used for the cultivar in the country.
4. The earliest reference that named the cultivar or contained information about it.

### **What Can Readers Do**

1. Help keep the published list of pineapple cultivars current. G. M. Sanewski ([garth.sanewski@daff.qld.gov.au](mailto:garth.sanewski@daff.qld.gov.au)) has agreed to lead and coordinate this effort. He will develop a Factsheet to be used in developing pineapple cultivar descriptions that conform to the guidelines of HortScience. If you or someone you know is developing new pineapple cultivars to please contact G. M. Sanewski.
2. Help develop an inventory of Pre-Columbian pineapple materials currently being grown in Central and South America. Please contact G. Coppens d'Eeckenbrugge ([geo.coppens@cirad.fr](mailto:geo.coppens@cirad.fr)) if you can help with this project.
3. Help maintain a current by-country database of pineapple cultivars and their synonyms. The final objective for the list would be to have it contain the names of all cultivars that are considered to be important commercially or as parents in breeding programs. Please contact D.P Bartholomew ([duaneb@hawaii.edu](mailto:duaneb@hawaii.edu)) with additions and corrections to the spreadsheet.

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