AJH
eISSN- 0976-724X

THE ASIAN JOURNAL OF HORTICULTURE
Volume **11** | Issue 1 | June, 2016 | 7-13
Visit us -*www.researchjournal.co.in*

RESEARCH PAPER

DOI : 10.15740/HAS/TAJH/11.1/7-13

Article history **:**
Received : 20.03.2016
Revised : 02.04.2016
Accepted : 16.04.2016

Sprouting, yield and economics of elephant foot yam (*Amorphophallus paeoniifolius* Dennst.) under the influence of different pre-planting treatments with organic and inorganic substances

■ **SARITA SAHU AND VIJAY KUMAR[1]**

Members of the Research Forum

Associated Authors:
[1]Department of Horticulture, College of Agriculture, RAIPUR (C.G.) INDIA

Author for correspondence :
SARITA SAHU
College of Agriculture and Research Station, RAIGARH (C.G.) INDIA
Email : sarita.sahu2124@gmail.com

ABSTRACT : The aim of this study was to evaluate the sprouting, yield and economics of elephant foot yam under the influence of different pre-planting treatments using organic and inorganic substances. The pre-planting treatment of minisetts with thiourea at 400 ppm resulted in maximum sprouting percentage (97.22%). This treatment also recorded highest corm yield (12.57 t ha^{-1}) and showed maximum increase in corm yield (31.07%) over the control treatment. The economics over two years showed that among the different pre-planting treatments, the thiourea at 400 ppm stood as the best treatment which gave maximum net return of Rs. 91851 with a B: C ratio of 2.71 followed by thiourea at 300 ppm (net return Rs. 90651 and B: C ratio 2.69), thiourea at 200 ppm (net return Rs. 88951 and B: C ratio 2.66) and KNO_3 at 250 ppm (net return Rs. 88021 and B: C ratio 2.66).

KEY WORDS : Corm, Minisetts, KNO_3, Thiourea, GA_3

HOW TO CITE THIS ARTICLE : Sahu, Sarita and Kumar, Vijay (2016). Sprouting, yield and economics of elephant foot yam (*Amorphophallus paeoniifolius* Dennst.) under the influence of different pre-planting treatments with organic and inorganic substances. *Asian J. Hort.*, **11**(1) : 7-13, **DOI : 10.15740/HAS/TAJH/11.1/7-13.**