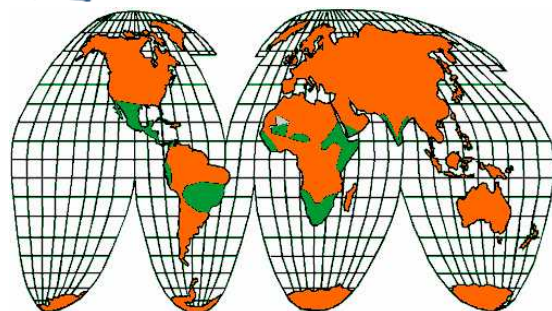


### Jatropha curcas evaluation, breeding and propagation programme (JEP)



[www.jatropha.wur.nl](http://www.jatropha.wur.nl)

#### Information

You obtained or downloaded this document, because you want to participate in the *Jatropha curcas* evaluation, breeding and propagation programme (JEP), which is carried out by Wageningen University and Research centre, Plant Research International and the FACT Foundation. These instructions are part of the plant material collection kit.

Participation in this programme means that you:

- Supply information (passport data) on your *Jatropha curcas* collection(s) through a questionnaire (download the questionnaire)
- Send in dry leaf material and 100 seeds of the *Jatropha curcas* trees matching the questionnaire (request a plant material collection kit on the website!)
- May have the possibility to maintain a living gene pool of *Jatropha curcas* plants as a collection in your country
- Will be updated on project and analyses results, including genetic information of your *Jatropha curcas* collection

#### Contents plant material collection kit

- These plant material sampling instructions
- Permanent marker
- Coded plastic labels to mark sampled *Jatropha curcas* trees
- Plastic zip-lock bag with pre-printed label for leaves, including 50 g of silica-gel (powder)
- Plastic zip-lock bag with pre-printed label for seeds
- Return envelop with pre-printed address

There is no standard collection kit size for the number of *Jatropha curcas* provenances. Please indicate the number of *provenances* you would like to send in to the project team, and contact us if any of the above is missing from your kit!

#### Leaf sampling instructions

1. Select a representative tree from your *Jatropha curcas* collection that matches the questionnaire
2. Attach one of the coded plastic labels to the selected tree
3. Take a zip-lock bag with corresponding code from the collection kit
4. Write sampling date on the zip-lock bag
5. Remove a **young leaf** from the selected *Jatropha curcas* tree
6. Use scissors or cut about 10 cm<sup>2</sup> (3x3 cm) from the green leaf sheath of the young leaf
7. Put the cut leaf sheath from 1 tree in the transparent zip-lock bag with silica-gel **and close carefully**
8. Repeat step 1-7 for additional *Jatropha curcas* provenances (different zip-lock bag!)
9. Put the transparent plastic zip-lock bag(s) in the return envelop
10. See "Additional sampling"

Each *Jatropha curcas* provenance you sample should be accompanied by a questionnaire that you can download on [www.jatropha.wur.nl](http://www.jatropha.wur.nl).

#### Additional sampling

If the *Jatropha curcas* trees are productive, we would like to receive 75-100 mature seeds from these trees to analyze oil content. Please send 75-100 seeds with corresponding labels to the sampled trees in the return envelop.

#### Analysis

DNA material will be isolated from your *Jatropha curcas* leaf samples and used for different fingerprinting techniques. With these techniques it is possible to indicate whether there is a broad genetic variation with potential for breeding.

#### Feed-back

As soon as your information is received (leaf material and questionnaire) you will be notified. Your leaf material will be integrated in the analyses schedule. Through the website or by personal communications, you will be updated on the project progress and on the results obtained with your plant material.

#### Contact information

**Dr. ir. R.E.E. (Raymond) Jongschaap**

Wageningen University and Research centre  
Plant Sciences Group  
Plant Research International  
Dept. Agrosystems Innovations

#### Postal address

P.O. Box 16  
6700 AA Wageningen  
the Netherlands

#### Visiting address

Bornsesteeg 65  
6708 PD Wageningen  
the Netherlands

T +31 317 475953

F +31 317 423110

E [raymond.jongschaap@wur.nl](mailto:raymond.jongschaap@wur.nl)

W [www.jatropha.wur.nl](http://www.jatropha.wur.nl)