Appropriate Technology

June 2012 Volume 39, No 2 ISSN 0305-0920 (Print) ISSN 1751-6900 (Online)

Incorporating

Agriculture & Equipment International

International Agricultural Development

Editor

David Dixon
"Carpenters", Chetnole
Sherborne Dorset
DT9 6PF, UK

Tel: +44 (0)1935 872 695 dixondavid2@sky.com

Consultant Editors
John Madeley
George Macpherson

2012 Subscriptions:

Individuals: £52 (US\$104) per annum All other subscribers: £166 (US\$332)

Published quarterly in Britain by Research Information Ltd Grenville Court, Britwell Road, Burnham, Buckinghamshire SL1 8DF, UK

Tel:+44(0)1628 600499
Fax: +44 (0)1628 600488
info@researchinformation.co.uk
www.appropriate-technology.org

(c)Copyright 2012

No part of this publication may be reproduced or transmitted in any form or by any means, or used in any information storage or retrieval system, without the prior written permission of the publisher, except as follows: (1) Subscribers may reproduce, for local internal distribution only, the highlights, topical summary and table of contents pages unless those pages are sold separately; (2) Subscribers who have registered with The Copyright Licensing Agency Ltd., 90 Tottenham Court Road, London W1P 9HE, UK or, The Copyright Clearance Center, USA and who pay the fee of US\$2.00 per page per copy fee may reproduce portions of this publication, but not entire issues. The Copyright Clearance Center is located at 222, Rosewood Drive, Danvers, Massachusetts 01923, USA; tel: +1 978 750 8400.

No responsibility is accepted by the Publishers or Editors for any injury and/or damage to persons or property as a matter of product liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in this publication.

Advertising material is expected to conform to ethical standards, but inclusion in this publication must not be construed as being any guarantee of quality, value or safety, or endorsement of any claims made by the advertiser.

Contents

REGULAR FEATURES

- 4 Comment: Women are key
- 5 News briefing
- 9 Health matters
- 11 Forthcoming
- 12 Agriculture
- 30 GIZ Deutsche Gesellschaft für Internationale
- Zusammenarbeit (GIZ) GmbH
- 33 Practical Action Technical Brief
- 50 Broadbrush by John Madeley
- 25 Rural enterprises

Nurturing the rural entrepreneurs of tomorrow in Colombia

27 Land

The case for Land Rights

40 Renewable energy

Lighting up the lives of the rural poor Energy access- critical to development

44 Information & communication technology

Securing electrical supplies for ICT Computer aid reaches key milestone Talk about shared experience

53 Awards

Simple designs remove drudgery

57 Women

Can technology rescue women farm workers from drudgery? Women are key to agriculture and food security

63 Water

Knowing is saving Halting creeping salinity

67 In print

Empowerment radio
Linking farmers to markets

The publishers gratefully acknowledge the support of regular bulk subscribers to Appropriate Technology including, Misereor, CAFOD, ITDG, Peace Corps and VSO.

Front Cover: Abanti, 40, lives in Odisha, India. She crushes stones all day long at a quarry to earn approximately one dollar. With this dollar she must support her family of three. She smiles at the thought of living on land she can call her own. *Credit Landesa* (see page 27)